

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
MLS RATE DATA MTRL AND LABOR
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

MLS TARIFF SUPPORT DATA - MATERIAL AND LABOR

	HPS - SECURITY/FLOOD				MH-SECURITY/FLOOD				HPS- ROADWAY	HPS- GUARD LIGHT	MV- GUARD LIGHT
BASIC DATA	150W	250W	400W	1000 W	175W	250W	400W	1000W	150W	100W	175W
LAMP RATED INITIAL LUMENS (read comment)	15000V	28000V	50000V	140000	12900V	19475V	32200H	104500	15000V	9500	7800
LAMP RATED MEAN LUMENS	13800V	26100V	45000V	126000	8400V	12500V	23000H	80000	13800V	8000	3300
LAMP LIFE HOURS	24000	24000	24000	24000	10000	6000	15000	12000	24000	24000	24000
WATTAGE INCLUDING BALLAST											
AVERAGE HOURS OF OPERATION	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
ESTIMATED ANNUAL KWH											
MOUNTING ARM	18"	18"	18"	18"	18"	18"	18"	18"	3'	3'	3'
APPROX. MOUNTING HEIGHT	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'
INITIAL INVESTMENT											
LUMENAIRE	\$ 127.44	\$ 174.93	\$ 147.50	\$ 324.75	\$ 142.00	\$ 170.79	\$ 176.34	\$ 324.75	\$ 67.28	\$ 67.28	\$ 67.28
LAMP	6.34	6.42	6.01	38.15	19.53	19.43	19.43	23.52	IN KIT	IN KIT	IN KIT
PHOTOVOLTAIC ELECTRIC RELAY (PER)	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	IN KIT	IN KIT	IN KIT
MOUNTING BRACKET - DISCONNECT ARM	17	17	17	17	17	17	17	17	IN KIT	IN KIT	IN KIT
ARM WIRING /SPICES/MISC. COMPONENTS	7.41	7.41	7.41		7.41	7.41	7.41		7.41	7.41	7.41
INITIAL MATERIAL COST (SUB-TOTAL)	\$ 181.58	\$ 209.15	\$ 181.31	\$ 363.29	\$ 189.33	\$ 218.02	\$ 223.57	\$ 368.66	\$ 74.69	\$ 74.69	\$ 74.69
INSTALLATION COST (Contract Labor)	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89
OVERHEAD (STORES & ENGR)	\$ 74.85	\$ 82.06	\$ 81.99	\$ 155.05	\$ 84.89	\$ 95.27	\$ 97.28	\$ 149.79	\$ 43.42	\$ 43.42	\$ 43.42
TOTAL INVESTMENT COST	\$ 331.32	\$ 386.10	\$ 358.19	\$ 633.23	\$ 369.11	\$ 408.18	\$ 415.74	\$ 613.31	\$ 213.00	\$ 213.00	\$ 213.00
ANNUAL OPERATING EXPENSES											
FIXTURE REPLACEMENT COST	\$ 137.17	\$ 184.74	\$ 156.90	\$ 368.29	\$ 164.92	\$ 193.61	\$ 199.16	\$ 351.66	\$ 67.28	\$ 67.28	\$ 67.28
TRANSPORTATION COST	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95
Labor Cost/Hr	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89
Man Hours	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00
COORDINATION COST	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12
LAMP REPLACEMENT COST (LABOR)	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01	\$ 102.01
OVERHEAD (STORES)	\$ 25.90	\$ 34.88	\$ 29.62	\$ 68.16	\$ 31.14	\$ 36.55	\$ 37.60	\$ 68.39	\$ 12.70	\$ 12.70	\$ 12.70
TOTAL COST TO REPLACE FIXTURE	\$ 285.03	\$ 341.58	\$ 308.48	\$ 557.41	\$ 318.02	\$ 362.12	\$ 359.72	\$ 540.01	\$ 201.94	\$ 201.94	\$ 201.94
Lamp Life (years)	6.00	6.00	6.00	6.00	2.50	1.50	3.75	3.00	6.00	6.00	6.00
TOTAL ANNUAL MAINTENANCE COST	\$ 47.50	\$ 56.93	\$ 51.41	\$ 92.90	\$ 127.21	\$ 234.75	\$ 95.86	\$ 180.00	\$ 33.66	\$ 33.66	\$ 33.66

Lamp Related O&M	\$	27.18	\$	36.60	\$	31.09	\$	72.57	\$	78.42	\$	153.44	\$	63.14	\$	139.35	\$	13.33	\$	13.33	\$	13.33
Pole Related O&M	\$	20.33	\$	20.33	\$	20.33	\$	20.33	\$	48.78	\$	81.31	\$	32.62	\$	40.65	\$	20.33	\$	20.33	\$	20.33
Transportation Portion of Pole Related O&M	\$	3.33	\$	3.33	\$	3.33	\$	3.33	\$	7.98	\$	13.30	\$	5.32	\$	6.65	\$	3.33	\$	3.33	\$	3.33
Overhead (Stores & Engr.)																						
Construction Overhead Rate =																						
Stores Overhead Rate =																						
Rates are based																						
Transportation Costs (Truck w/ Single Bucket)																						
Coordination Support																						

Factor	Application	
0.1729	Applied to Sum of Material and Labor Cost	0.1729
0.1888	Applied only to Material Cost	0.1888

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
O&M ALLOCATION DATA
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

Data for Allocation of FERC Account 585 &596												
Type of Lamp	Lumen	Annual No of Lamps	Lamp Related O&M	Nuber of Poles	Pole Related O&M	Annual O&M Lamp Related	Annual O&M Pole Related	Annual O&M	Transportation Portion of Pole Related	Nuber of Poles	Annual Transportation Related O&M	
Customer Owned:												
Flood Light	HPS (150 W)	16,000	1,368 \$	27.18	98	20.33 \$	3,098.29 \$	1,992.01 \$	5,090.30 \$	3.33	98 \$	325.85
Flood Light	HPS (250 W)	27,500	16,980 \$	36.60	1,215	20.33 \$	51,793.46 \$	24,696.90 \$	76,490.36 \$	3.33	1215 \$	4,039.88
Flood Light	HPS (400 W)	50,000	144 \$	31.09	10	20.33 \$	373.05 \$	203.27 \$	576.31 \$	3.33	10 \$	33.25
Flood Light	HPS (1000 W)	130,000	1,056 \$	72.57	78	20.33 \$	6,386.53 \$	1,544.83 \$	7,931.36 \$	3.33	76 \$	252.70
Flood Light	MH (175 W)	14,400	204 \$	78.42	15	48.78 \$	1,333.19 \$	731.76 \$	2,064.95 \$	7.98	15 \$	119.70
Flood Light	MH (250 W)	21,500	- \$	153.44	0	81.31 \$	- \$	- \$	- \$	13.30	- \$	-
Flood Light	MH (400 W)	36,000	600 \$	63.14	43	32.52 \$	3,156.82 \$	1,398.47 \$	4,555.29 \$	5.32	43 \$	228.76
Flood Light	MH (1000 W)	107,000	1,560 \$	139.35	112	40.65 \$	18,115.65 \$	4,553.17 \$	22,668.82 \$	6.65	112 \$	744.80
Roadway	HPS (150 W)	16,000	108 \$	13.33	8	20.33 \$	119.97 \$	162.61 \$	282.59 \$	3.33	8 \$	26.60
Guard Light	HPS (100 W)	9,500	84 \$	13.33	6	20.33 \$	93.31 \$	121.96 \$	215.27 \$	3.33	6 \$	19.95
Guard Light	MV (No New)	7,500	0 \$	13.33	0	20.33 \$	- \$	- \$	- \$	3.33	0 \$	-
Total Customer Owned		22,104		1,583		\$ 84,470.27	\$ 35,404.99	\$ 119,875.25		1583	\$ 5,791.49	
CNP Owned:												
Flood Light	HPS (150 W)	16,000	82,704 \$	27.18	5,916	20.33 \$	187,310.43 \$	120,252.56 \$	307,562.99 \$	3.33	5,916 \$	19,670.70
Flood Light	HPS (250 W)	27,500	780 \$	36.60	56	20.33 \$	2,379.20 \$	1,138.29 \$	3,517.50 \$	3.33	56 \$	186.20
Flood Light	HPS (400 W)	50,000	125,604 \$	31.09	8,984	20.33 \$	325,388.89 \$	182,614.77 \$	508,003.66 \$	3.33	8,984 \$	29,871.80
Flood Light	HPS (1000 W)	130,000	0 \$	72.57	0	20.33 \$	- \$	- \$	- \$	3.33	- \$	-
Flood Light	MH (175 W)	14,400	0 \$	78.42	0	48.78 \$	- \$	- \$	- \$	7.98	- \$	-
Flood Light	MH (250 W)	21,500	0 \$	153.44	0	81.31 \$	- \$	- \$	- \$	13.30	- \$	-
Flood Light	MH (400 W)	36,000	0 \$	63.14	0	32.52 \$	- \$	- \$	- \$	5.32	- \$	-
Flood Light	MH (1000 W)	107,000	0 \$	139.35	0	40.65 \$	- \$	- \$	- \$	6.65	- \$	-
Roadway	HPS (150 W)	16,000	196,776 \$	13.33	14,075	20.33 \$	218,592.07 \$	286,097.83 \$	504,689.91 \$	3.33	14,075 \$	46,799.38
Guard Light	HPS (100 W)	9,500	156 \$	13.33	11	20.33 \$	173.30 \$	223.59 \$	396.89 \$	3.33	11 \$	36.58
Guard Light	MV (No New)	7,500	0 \$	13.33	0	20.33 \$	- \$	- \$	- \$	3.33	- \$	-
Total CNP Owned		406,020		29,042		\$ 733,843.89	\$ 590,327.05	\$ 1,324,170.94		29,042	\$ 96,564.65	
Total Lamps		428,124		30,625		818,314	625,732	\$ 1,444,046.19		30,625	\$ 102,356.14	
Span:		102,288										
Total MLS Service:												

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
POLES & LAMP COUNT
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

	Lamp Type			Mo	Kwh/Lamp	Watt	Service	Pole	Annual (Amt * 12 mos)			Monthly Number of Poles		
	Sched	Lumen	Type						# of Lamps	# of Poles	Brk Away Base	OH Cond	UG Cond	Total
A6000HPS	A	6,000	HPS	29	70	OH	W		5,772	5,772	-	481	-	481
B6000HPS	B	6,000	HPS	29	70	OH	S		192	192	-	16	-	16
D6000HPS	D	6,000	HPS	29	70	UG	S		60,648	60,648	-	-	5,054	5,054
A9500HPS	A	9,500	HPS	38	100	OH	W		160,980	160,980	-	13,414	-	13,414
B9500HPS	B	9,500	HPS	38	100	OH	S		276	276	-	23	-	23
D9500HPS	D	9,500	HPS	38	100	UG	S		2,210,016	2,210,016	816	-	184,168	184,168
E9500HPS	E	9,500	HPS	38	100	UG	S		25,632	12,616	-	-	1,068	1,068
A15000HPS	A	15,000	HPS	58	150	OH	W		54,960	54,960	-	4,579	-	4,579
B15000HPS	B	15,000	HPS	58	150	OH	S		168	168	-	14	-	14
C15000HPS	C	15,000	HPS	58	150	OH	S		96	48	-	4	-	4
D15000HPS	D	15,000	HPS	58	150	UG	S		113,292	113,292	72	-	9,441	9,441
E15000HPS	E	15,000	HPS	58	150	UG	S		19,344	9,672	-	-	806	806
A28000HPS	A	28,000	HPS	106	250	OH	W		65,472	65,400	-	5,450	-	5,450
B28000HPS	B	28,000	HPS	106	250	OH	S		1,728	1,728	-	144	-	144
C28000HPS	C	28,000	HPS	106	250	OH	S		216	108	-	9	-	9
D28000HPS	D	28,000	HPS	106	250	UG	S		104,472	104,472	156	-	8,706	8,706
E28000HPS	E	28,000	HPS	106	250	UG	S		23,616	11,808	24	-	984	984
A50000HPS	A	50,000	HPS	160	400	OH	W		6,288	6,180	-	515	-	515
B50000HPS	B	50,000	HPS	160	400	OH	S		48	48	-	4	-	4
D50000HPS	D	50,000	HPS	160	400	UG	S		9,108	9,108	24	-	759	759
E50000HPS	E	50,000	HPS	160	400	UG	S		432	216	-	-	18	18
A2000LED	A	2,000	LED	8	20	OH	W		-	-	-	-	-	-
D2000LED	D	2,000	LED	8	20	UG	S		-	-	-	-	-	-
A4800LED	A	4,800	LED	17	45	OH	W		605,160	605,160	-	50,430	-	50,430
B4800LED	B	4,800	LED	17	45	OH	S		1,632	1,632	-	136	-	136
D4800LED	D	4,800	LED	17	45	UG	S		1,041,864	1,041,864	-	-	86,822	86,822
E4800LED	E	4,800	LED	17	45	UG	S		3,120	1,560	-	-	130	130
A7900LED	A	7,900	LED	32	95	OH	W		228,216	228,216	-	19,018	-	19,018
B7900LED	B	7,900	LED	32	95	OH	S		300	300	-	25	-	25
C7900LED	C	7,900	LED	32	95	OH	S		864	432	-	36	-	36
D7900LED	D	7,900	LED	32	95	UG	S		64,404	64,404	-	-	5,367	5,367
E7900LED	E	7,900	LED	32	95	UG	S		6,624	3,312	-	-	276	276
A10850LED	A	10,850	LED	38	115	OH	W		283,740	282,996	-	23,583	-	23,583
B10850LED	B	10,850	LED	38	115	OH	S		2,760	2,760	-	230	-	230
C10850LED	C	10,850	LED	38	115	OH	S		2,928	1,464	-	122	-	122
D10850LED	D	10,850	LED	38	115	UG	S		240,348	240,348	-	-	20,029	20,029
E10850LED	E	10,850	LED	38	115	UG	S		13,728	6,864	288	-	572	572
A15100LED	A	15,100	LED	64	180	OH	W		684	684	-	57	-	57
B15100LED	B	15,100	LED	64	180	OH	S		-	-	-	-	-	-
C15100LED	C	15,100	LED	64	180	OH	S		-	-	-	-	-	-
D15100LED	D	15,100	LED	64	180	UG	S		22,272	22,272	-	-	1,856	1,856
E15100LED	E	15,100	LED	64	180	UG	S		600	300	-	-	25	25
A7900MH	A	7,900	MH	40	100	OH	W		24	24	-	2	-	2
D7900MH	D	7,900	MH	40	100	UG	S		28,224	28,224	-	-	2,352	2,352
E7900MH	E	7,900	MH	40	100	UG	S		1,176	588	-	-	49	49
D+A*47900MH	D+A*4	7,900	MH	40	100	UG	S		480	96	-	-	8	8
A12900MH	A	12,900	MH	70	175	OH	W		12	12	-	1	-	1
D12900MH	D	12,900	MH	70	175	UG	S		5,880	5,880	-	-	490	490
E12900MH	E	12,900	MH	70	175	UG	S		1,752	876	-	-	73	73
A19475MH	A	19,475	MH	96	250	OH	W		1,776	1,038	-	87	-	87
D19475MH	D	19,475	MH	96	250	UG	S		8,652	8,652	-	-	721	721
E19475MH	E	19,475	MH	96	250	UG	S		1,152	576	-	-	48	48
A32200MH	A	32,200	MH	159	400	OH	W		1,224	636	-	53	-	53
D32200MH	D	32,200	MH	159	400	UG	S		2,268	2,268	-	-	189	189
E32200MH	E	32,200	MH	159	400	UG	S		2,376	1,188	-	-	99	99
A4200MV	A	4,200	MV	159	100	OH	W		4,704	4,704	-	392	-	392
B4200MV	B	4,200	MV	41	100	OH	S		12	12	-	1	-	1
D4200MV	D	4,200	MV	41	100	UG	S		24,060	24,060	-	-	2,005	2,005
A7800MV	A	7,800	MV	69	175	OH	W		612	612	-	51	-	51
D7800MV	D	7,800	MV	69	175	UG	S		504	504	-	-	42	42
A22600MV	A	22,600	MV	150	400	OH	W		1,128	1,128	-	94	-	94
B22600MV	B	22,600	MV	150	400	OH	S		24	24	-	2	-	2
D22600MV	D	22,600	MV	150	400	UG	S		84	84	-	-	7	7
E22600MV	E	22,600	MV	150	400	UG	S		48	24	-	-	2	2
TOTAL									5,468,172	5,413,682	1,380	Served OH 118,973 26%	Served UG 332,168 74%	Total Poles 451,139 100%

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC LLC
GLS LAMP REPORT DEC 2018
TEST YEAR ENDING 12/31/2018
SPONSOR A. TROALE

[illegible]

2019 RATE CASE
CHRYSLER FINANCIAL SERVICES, LLC
10000 W. 10TH AVE
THUNDERBOLT, CO 80641
NORTH PLATEAU

Line Type		Service		Price		Annual # of Lines		Annual # of Poles		Sched		Inventory		Units	
Line Type	Type	Service	Price	Price	Price	# of Lines	# of Poles	# of Poles	# of Poles	Sched	Sched	Inventory	Inventory	Units	Units
8,000	HPS	CH	W	5,772	5,772	8,772	A	0	0						
8,000	HPS	CH	W	140,360	140,360	A	0	0	0						
15,000	HPS	CH	W	51,848	51,848	A	0	0	0						
28,000	HPS	CH	W	66,672	66,672	A	0	0	0						
50,000	HPS	CH	W	5,208	5,208	A	0	0	0						
4,800	LED	CH	W	665,160	665,160	A	0	0	0						
7,800	LED	CH	W	228,216	228,216	A	0	0	0						
10,800	LED	CH	W	263,760	263,760	A	0	0	0						
15,100	LED	CH	W	684	684	A	0	0	0						
7,800	MAH	CH	W	24	24	A	0	0	0						
12,800	MAH	CH	W	12	12	A	0	0	0						
19,475	MAH	CH	W	1,776	1,776	A	0	0	0						
32,200	MAH	CH	W	1,224	1,224	A	0	0	0						
4,200	MAH	CH	W	4,704	4,704	A	0	0	0						
7,800	MAH	CH	W	1,152	1,152	A	0	0	0						
22,800	MAH	CH	W	1,152	1,152	A	0	0	0						
8,000	HPS	CH	S	1,152	1,152	B	0	0	0						
8,000	HPS	CH	S	276	276	B	0	0	0						
28,000	HPS	CH	S	1,728	1,728	B	0	0	0						
80,000	HPS	CH	S	48	48	B	0	0	0						
4,800	LED	CH	S	1,632	1,632	B	0	0	0						
7,800	LED	CH	S	360	360	B	0	0	0						
15,100	LED	CH	S	2,712	2,712	B	0	0	0						
4,200	MAH	CH	S	12	12	B	0	0	0						
22,800	MAH	CH	S	24	24	B	0	0	0						
28,000	HPS	CH	S	216	216	C	0	0	0						
7,800	LED	CH	S	864	864	C	0	0	0						
15,100	LED	CH	S	1,632	1,632	C	0	0	0						
8,000	HPS	CH	S	48,648	48,648	D	0	0	0						
8,800	HPS	US	S	2,210,016	2,210,016	D	0	0	0						
13,000	HPS	US	S	113,292	113,292	D	0	0	0						
28,000	HPS	US	S	164,472	164,472	D	0	0	0						
80,000	HPS	US	S	8,108	8,108	D	0	0	0						
4,800	LED	US	S	1,641,864	1,641,864	D	0	0	0						
7,800	LED	US	S	64,604	64,604	D	0	0	0						
10,800	LED	US	S	240,348	240,348	D	0	0	0						
15,100	LED	US	S	22,272	22,272	D	0	0	0						
7,800	MAH	US	S	28,324	28,324	D	0	0	0						
18,475	MAH	US	S	8,862	8,862	D	0	0	0						
32,200	MAH	US	S	3,368	3,368	D	0	0	0						
7,800	MAH	US	S	2,760	2,760	D	0	0	0						
7,800	MAH	US	S	84	84	D	0	0	0						
22,800	MAH	US	S	28,632	28,632	E	0	0	0						
15,000	HPS	US	S	13,344	13,344	E	0	0	0						
28,000	HPS	US	S	23,816	23,816	E	0	0	0						
8,000	LED	US	S	1,428	1,428	E	0	0	0						
7,800	LED	US	S	5,824	5,824	E	0	0	0						
10,800	LED	US	S	14,728	14,728	E	0	0	0						
15,100	LED	US	S	600	600	E	0	0	0						
12,800	MAH	US	S	1,762	1,762	E	0	0	0						
18,475	MAH	US	S	1,162	1,162	E	0	0	0						
22,800	MAH	US	S	2,552	2,552	E	0	0	0						
22,800	MAH	US	S	480	480	E	0	0	0						
7,800	MAH	US	S	480	480	E	0	0	0						
6,408,172				6,408,172	6,408,172			5,413,682						1,380	

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

ANNUAL NUMBER OF LAMPS

Lamp Type	Lumen	1 Sched. D & 4 Sched A's						Total
		Sched. A	Sched. B ¹	Sched. C	Sched. D	Sched. E	Sched. A's	
MV	22,600	1,128	24	0	84	48	0	
MV	7,800	612	0	0	504	0	0	
MV	4,200	4,704	12	0	24,060	0	0	
Total MV:		6,444	36		24,648	48	0	31,176
HPS	50,000	6,288	48		9,108	432	0	
HPS	28,000	65,472	1,728	216	104,472	23,616	0	
HPS	15,000	54,960	168	96	113,292	19,344	0	
HPS	9,500	160,980	276		2,210,016	25,632	0	
HPS	6,000	5,772	192		60,648	0	0	
Total HPS:		293,472	2,412	312	2,497,536	69,024	0	2,862,756
MH	32,200	1,224			2,268	2,376	0	
MH	19,475	1,776			8,652	1,152	0	
MH	12,900	12			5,880	1,752	0	
MH	7,900	24			28,224	1,176	480	
Total MH:		3,036	0	0	45,024	6,456	480	54,996
LED	15,100	684	0		22,272	600	0	
LED	10,850	283,740	2,760	2928	240,348	13,728	0	
LED	7,900	228,216	300	864	64,404	6,624	0	
LED	4,800	605,160	1,632		1,041,864	3,120	0	
LED	2,000	0	0		0	0	0	
Total LED:		1,117,800	4,692	3,792	1,368,888	24,072	0	2,519,244
Total		1,420,752	7,140	4,104	3,936,096	99,600	480	5,468,172

Supplemental / Other Charges or Credits:

Break-away Base 1,380

1. If no rate schedule for lamp type use schedule A for same lumen

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

CURRENT PRICES - SLS

Lamp Type	Lumen	Sched. A	Sched. B ¹	Sched. C	Sched. D	Sched. E	1 Sched. D & 4 Sched. A's
MV	22,600	\$5.150000	\$17.750000	\$11.500000	\$19.750000	\$13.140000	N/A
MV	7,800	\$3.640000	N/A	N/A	\$15.890000	\$10.400000	N/A
MV	4,200	\$3.540000	\$16.910000	N/A	\$13.700000	N/A	N/A
HPS	50,000	\$7.930000	\$20.650000	\$14.010000	\$23.280000	\$15.500000	N/A
HPS	28,000	\$5.150000	\$17.750000	\$11.660000	\$19.750000	\$13.150000	N/A
HPS	15,000	\$3.640000	\$16.200000	\$10.770000	\$15.890000	\$10.400000	N/A
HPS	9,500	\$3.640000	\$16.200000	N/A	\$12.920000	\$8.880000	N/A
HPS	8,000	\$3.580000	\$16.130000	N/A	\$12.460000	N/A	N/A
MH	32,200	\$9.490000	N/A	N/A	\$23.940000	\$18.560000	N/A
MH	19,475	\$10.340000	N/A	N/A	\$26.430000	\$18.350000	N/A
MH	12,900	\$11.010000	N/A	N/A	\$23.520000	\$17.090000	N/A
MH	7,900	\$11.690000	N/A	N/A	\$23.290000	\$19.680000	\$14.010000
LED	15,100	\$7.930000	\$20.560000	\$14.010000	\$23.280000	\$15.500000	N/A
LED	10,850	\$5.150000	\$17.750000	\$11.660000	\$19.750000	\$13.150000	N/A
LED	7,900	\$3.640000	\$16.200000	\$10.770000	\$15.890000	\$10.400000	N/A
LED	4,800	\$3.640000	\$16.200000	N/A	\$12.920000	\$8.880000	N/A
LED	2,000	\$0.000000	N/A	N/A	\$0.000000	N/A	N/A

Supplemental Charges:

Break-away Base per lamp \$1.09

1. If no rate schedule for lamp type use schedule A for same lumen

2019 RATE CASE
CENTERPOINT ENERGY HOUSOTN ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

CURRENT REVENUE - SLS

Lamp Type	Lumen	Sched. A	Sched. B ¹	Sched. C	Sched. D	Sched. E	1 Sched. D & 4 Sched. A's	Total
MV	22,600	\$ 5,809.20	\$ 426.00	\$ -	\$ 1,659.00	\$ 630.72	N/A	
MV	7,800	\$ 2,227.68	N/A	N/A	\$ 8,008.56	\$ -	N/A	
MV	4,200	\$ 16,652.16	\$ 202.92	N/A	\$ 329,622.00	N/A	N/A	
Total MV:		\$ 24,689.04	\$ 628.92	\$ -	\$ 339,289.56	\$ 630.72	\$ -	\$ 365,238.24
HPS	50,000	\$ 49,863.84	\$ 991.20	\$ -	\$ 212,034.24	\$ 6,696.00	N/A	
HPS	28,000	\$ 337,180.80	\$ 30,672.00	\$ 2,518.56	\$ 2,063,322.00	\$ 310,550.40	N/A	
HPS	15,000	\$ 200,054.40	\$ 2,721.60	\$ 1,033.92	\$ 1,800,209.88	\$ 201,177.60	N/A	
HPS	9,500	\$ 585,967.20	\$ 4,471.20	N/A	\$ 28,553,406.72	\$ 227,612.16	N/A	
HPS	6,000	\$ 20,663.76	\$ 3,096.96	N/A	\$ 755,674.08	N/A	N/A	
Total HPS:		\$ 1,193,730.00	\$ 41,952.96	\$ 3,552.48	\$ 33,384,646.92	\$ 748,036.16	\$ -	\$ 35,369,918.52
MH	32,200	\$ 11,615.76	N/A	N/A	\$ 54,295.92	\$ 44,098.56	N/A	
MH	19,475	\$ 18,363.84	N/A	N/A	\$ 228,672.36	\$ 21,139.20	N/A	
MH	12,900	\$ 132.12	N/A	N/A	\$ 138,297.60	\$ 29,941.68	N/A	
MH	7,900	\$ 280.56	N/A	N/A	\$ 657,336.96	\$ 23,143.68	\$ 6,724.80	
Total MH:		\$ 30,392.28	\$ -	\$ -	\$ 1,078,602.84	\$ 118,323.12	\$ 6,724.80	\$ 1,234,043.04
LED	15,100	\$ 5,424.12	\$ -	\$ -	\$ 518,492.16	\$ 9,300.00	N/A	
LED	10,850	\$ 1,461,261.00	\$ 48,990.00	\$ 34,140.48	\$ 4,746,873.00	\$ 180,523.20	N/A	
LED	7,900	\$ 830,706.24	\$ 4,860.00	\$ 9,305.28	\$ 1,023,379.56	\$ 68,889.60	N/A	
LED	4,800	\$ 2,202,782.40	\$ 26,438.40	N/A	\$ 13,460,882.88	\$ 27,705.60	N/A	
LED	2,000	\$ -	N/A	N/A	\$ -	N/A	N/A	
Total LED		\$ 4,500,173.76	\$ 80,288.40	\$ 43,445.76	\$ 19,749,627.60	\$ 286,418.40	\$ -	\$ -
Total		\$ 5,748,985.08	\$ 122,870.28	\$ 46,998.24	\$ 54,552,166.92	\$ 1,151,408.40	\$ 6,724.80	\$ 61,629,153.72

Supplemental Charges:

Break-away Base Revenue

\$ 1,504.20

Total Current Revenue - SLS

\$ 61,630,657.92

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TRONLE

PROPOSED PRICES - SLS

<u>Lamp Type</u>	<u>Lumen</u>	<u>Sched. A</u>	<u>Sched. B</u>	<u>Sched. C</u>	<u>Sched. D</u>	<u>Sched. E</u>	1 Sched. D & 4 Sched A's
MV	22,600	\$ 4.43	\$ 18.93	N/A	\$ 13.20	\$ 11.78	N/A
MV	7,800	\$ 3.88	N/A	N/A	\$ 12.64	N/A	N/A
MV	4,200	\$ 3.90	\$ 18.45	N/A	\$ 12.67	N/A	N/A
HPS	50,000	\$ 4.40	\$ 18.90	N/A	\$ 13.17	\$ 11.75	N/A
HPS	28,000	\$ 4.27	\$ 18.77	\$ 10.33	\$ 13.04	\$ 11.62	N/A
HPS	15,000	\$ 4.15	\$ 18.64	\$ 10.20	\$ 12.92	\$ 11.50	N/A
HPS	9,500	\$ 4.13	\$ 18.59	N/A	\$ 12.90	\$ 11.48	N/A
HPS	6,000	\$ 4.09	\$ 18.59	N/A	\$ 12.86	N/A	N/A
MH	32,200	\$ 5.41	N/A	N/A	\$ 19.43	\$ 16.00	N/A
MH	19,475	\$ 10.00	N/A	N/A	\$ 18.62	\$ 15.17	N/A
MH	12,900	\$ 8.00	N/A	N/A	\$ 16.70	\$ 14.33	N/A
MH	7,900	\$ 7.30	N/A	N/A	\$ 16.00	\$ 13.63	\$ 9.04
LED	15,100	\$ 5.22	N/A	N/A	\$ 7.01	\$ 25.73	N/A
LED	10,850	\$ 4.79	\$ 19.24	\$ 22.27	\$ 13.58	\$ 12.44	N/A
LED	7,900	\$ 4.39	\$ 18.84	\$ 10.73	\$ 13.18	\$ 12.03	N/A
LED	4,800	\$ 3.94	\$ 18.39	N/A	\$ 12.73	\$ 11.59	N/A
LED	2,000	\$ -	N/A	N/A	\$ -	N/A	N/A

Supplemental Charges:

Break-away Base per lamp \$1.03

2019 RATE CASE
CENTERPOINT ENERGY HOUSOTN ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

PROPOSED REVENUE - SLS

Lamp Type	Lumen	Sched. A	Sched. B	Sched. C	Sched. D	Sched. E	1 Sched. D & 4 Sched A's	Total
MV	22,800	\$ 4,999	\$ 454	N/A	\$ 1,109	\$ 566	N/A	
MV	7,800	\$ 2,372	N/A	N/A	\$ 6,373	N/A	N/A	
MV	4,200	\$ 18,355	\$ 221	N/A	\$ 304,874	N/A	N/A	
Total MV:		\$ 25,725	\$ 676	\$ -	\$ 312,356	\$ 566		\$ 339,323
HPS	50,000	\$ 27,680	\$ 907	N/A	\$ 119,967	\$ 5,078	N/A	
HPS	28,000	\$ 279,689	\$ 32,433	\$ 2,230	\$ 1,362,460	\$ 274,522	N/A	
HPS	15,000	\$ 227,872	\$ 3,132	\$ 979	\$ 1,463,239	\$ 222,431	N/A	
HPS	9,500	\$ 664,424	\$ 5,132	N/A	\$ 28,502,272	\$ 294,253	N/A	
HPS	6,000	\$ 23,615	\$ 3,569	N/A	\$ 779,978	N/A	N/A	
Total HPS:		\$ 1,223,281	\$ 45,172	\$ 3,210	\$ 32,227,915	\$ 796,284		\$ 34,295,862
MH	32,200	\$ 6,617	N/A	N/A	\$ 44,072	\$ 38,010	N/A	
MH	19,475	\$ 17,764	N/A	N/A	\$ 161,115	\$ 17,476	N/A	
MH	12,900	\$ 96	N/A	N/A	\$ 98,183	\$ 25,108	N/A	
MH	7,900	\$ 175	N/A	N/A	\$ 451,479	\$ 16,028	\$ 4,339	
Total MH:		\$ 24,652	\$ -	\$ -	\$ 754,849	\$ 96,622	\$ 4,339	\$ 880,463
LED	15,100	\$ 3,571	N/A	N/A	\$ 156,026	\$ 15,438	N/A	
LED	10,850	\$ 1,359,603	\$ 53,106	\$ 65,221	\$ 3,264,218	\$ 170,716	N/A	
LED	7,900	\$ 1,001,435	\$ 5,651	\$ 9,274	\$ 848,690	\$ 79,700	N/A	
LED	4,800	\$ 2,385,039	\$ 30,013	N/A	\$ 13,263,619	\$ 36,145	N/A	
LED	2,000	\$ -	N/A	N/A	\$ -	N/A	N/A	
Total LED:		\$ 4,749,649	\$ 88,770	\$ 74,495	\$ 17,532,553	\$ 301,999	\$ -	\$ 22,747,466
Total		\$ 6,023,307	\$ 134,618	\$ 77,705	\$ 50,827,674	\$ 1,195,471	\$ 4,339	\$ 58,263,114

Supplemental Charges:

Break-away Base Revenue \$ 1,421.40

Total Proposed Revenue - SLS

\$ 58,264,535.61

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

PROPOSED CHANGE IN UNIT CHARGES - SLS (Weighted Average taken for current prices)

Lamp Type	Lumen	Sched. A	Sched. B	Sched. C	Sched. D	Sched. E	1 Sched. D & 4 Sched A's
MV	22,800	\$ (0.72)	\$ 1.18	N/A	\$ (6.55)	\$ (1.36)	
MV	7,800	\$ 0.24	N/A	N/A	\$ (3.25)	N/A	
MV	4,200	\$ 0.36	\$ 1.54	N/A	\$ (1.03)	N/A	
HPS	50,000	\$ (3.53)	\$ (1.75)	N/A	\$ (10.11)	\$ (3.75)	
HPS	28,000	\$ (0.88)	\$ 1.02	\$ (1.33)	\$ (6.71)	\$ (1.53)	
HPS	15,000	\$ 0.51	\$ 2.44	\$ (0.57)	\$ (2.97)	\$ 1.10	
HPS	9,500	\$ 0.49	\$ 2.39	N/A	\$ (0.02)	\$ 2.60	
HPS	6,000	\$ 0.51	\$ 2.46	N/A	\$ 0.40	N/A	
MH	32,200	\$ (4.08)	N/A	N/A	\$ (4.51)	\$ (2.58)	
MH	19,475	\$ (0.34)	N/A	N/A	\$ (7.81)	\$ (3.18)	
MH	12,900	\$ (3.01)	N/A	N/A	\$ (6.82)	\$ (2.76)	
MH	7,900	\$ (4.39)	N/A	N/A	\$ (7.29)	\$ (6.05)	\$ (4.97)
LED	15,100	\$ (2.71)	N/A	N/A	\$ (16.27)	\$ 10.23	
LED	10,850	\$ (0.36)	\$ 1.49	\$ 10.61	\$ (6.17)	\$ (0.71)	
LED	7,900	\$ 0.75	\$ 2.64	\$ (0.04)	\$ (2.71)	\$ 1.63	
LED	4,800	\$ 0.30	\$ 2.19	N/A	\$ (0.19)	\$ 2.71	
LED	2,000	\$ -	N/A	N/A	\$ -	N/A	

Supplemental Charges:

Break-away Base \$ (0.06)

Total - SLS

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
TARIFF COMP
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

PERCENT INCREASE/DECREASE IN REVENUE - SLS

Lamp Type	Lumen	Sched. A	Sched. B	Sched. C	Sched. D	Sched. E	1 Sched. D & 4 Sched. A's	Total
MV	22,600	-13.95%	6.64%	N/A	-33.16%	-10.32%		
MV	7,800	6.46%	N/A	N/A	-20.42%	N/A		
MV	4,200	10.22%	New	N/A	-7.51%	N/A		
Total MV:								-7.10%
HPS	50,000	-44.49%	-8.48%	N/A	-43.42%	-24.16%		
HPS	28,000	-17.05%	5.74%	-11.44%	-33.97%	-11.60%		
HPS	15,000	13.91%	15.08%	-5.29%	-18.72%	10.56%		
HPS	9,500	13.39%	New	N/A	-0.18%	29.28%		
HPS	6,000	14.28%	New	N/A	3.22%	N/A		
Total HPS:								-3.04%
MH	32,200	-43.03%	N/A	N/A	-18.83%	-13.81%		
MH	19,475	-3.27%	N/A	N/A	-29.54%	-17.33%		
MH	12,900	-27.35%	N/A	N/A	-29.01%	-16.14%		
MH	7,900	-37.58%	N/A	N/A	-31.32%	-30.74%	-35.47%	
Total MH:								-28.65%
LED	15,100	-34.16%	N/A	N/A	-69.91%	66.00%		
LED	10,850	-6.96%	8.40%	91.04%	-31.23%	-5.43%		
LED	7,900	20.55%	16.28%	-0.34%	-17.07%	15.69%		
LED	4,800	8.27%	13.52%	N/A	-1.47%	30.46%		
LED	2,000	N/A	N/A	N/A	N/A	N/A		
Total								-5.46%
Supplemental Charges:								
Break-away Base								-5.50%
Total - SLS								-5.46%

2019 RATE CASE
CENTROPOINT ENERGY HOUSTON ELECTRIC, LLC
PROOF OF REVENUE
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

S (NEET LIGHTING SERVICE - GLS)												
Schedule	Lamp Type	Lumen ¹	Watt	Annual No of Lamps	Current		Proposed		Increase or Decrease			
					Price ²	Revenue	Price	Revenue	Per Lamp	Revenue	%	
A	MV	22,600	400	1128	\$ 5,150,000	\$ 5,809	\$ 4.43	\$ 4,999	\$ (0.72)	\$ -3610	-14%	
A	MV	7,800	175	612	\$ 3,640,000	\$ 2,228	\$ 3.88	\$ 2,372	\$ 0.24	\$ 144	6%	
A	MV	4,200	100	4704	\$ 3,540,000	\$ 16,652	\$ 3.90	\$ 18,355	\$ 0.36	\$ 1,703	10%	
B	MV	22,600	400	24	\$ 17,750,000	\$ 426	\$ 18.93	\$ 454	\$ 1.18	\$ 28	7%	
B	MV	4,200	100	12	\$ 16,910,000	\$ 203	\$ 18.45	\$ 221	\$ 1.54	\$ 18	9%	
D	MV	22,600	400	84	\$ 19,750,000	\$ 1,659	\$ 13.20	\$ 1,109	\$ (6.55)	\$ -550	-33%	
D	MV	7,800	175	504	\$ 15,890,000	\$ 8,009	\$ 12.64	\$ 6,373	\$ (3.25)	\$ -1,638	-20%	
D	MV	4,200	100	24060	\$ 13,700,000	\$ 329,622	\$ 12.67	\$ 304,874	\$ (1.03)	\$ -24,748	-8%	
E	MV	22,600	400	48	\$ 13,140,000	\$ 631	\$ 11.78	\$ 506	\$ (1.38)	\$ -85	-10%	
A	HPS	50,000	400	6,288	\$ 7,930,000	\$ 49,854	\$ 4.40	\$ 27,690	\$ (3.53)	\$ -22,183	-44%	
A	HPS	28,000	250	65,472	\$ 5,150,000	\$ 337,181	\$ 4.27	\$ 279,888	\$ (0.88)	\$ -57,491	-17%	
A	HPS	15,000	150	54,960	\$ 3,640,000	\$ 200,054	\$ 4.15	\$ 227,872	\$ 0.51	\$ 27,818	14%	
A	HPS	9,500	100	160,980	\$ 3,640,000	\$ 585,967	\$ 4.13	\$ 664,424	\$ 0.49	\$ 78,456	13%	
A	HPS	6,000	70	5,772	\$ 3,580,000	\$ 20,664	\$ 4.09	\$ 23,615	\$ 0.51	\$ 2,951	14%	
B	HPS	50,000	400	48	\$ 20,650,000	\$ 991	\$ 16.90	\$ 907	\$ (1.75)	\$ -84	-5%	
B	HPS	28,000	250	1,728	\$ 17,750,000	\$ 30,672	\$ 16.77	\$ 32,433	\$ 1.02	\$ 1,761	6%	
B	HPS	15,000	150	168	\$ 16,200,000	\$ 2,722	\$ 16.64	\$ 3,132	\$ 2.44	\$ 410	15%	
B	HPS	9,500	100	276	\$ 16,200,000	\$ 4,471	\$ 16.59	\$ 5,132	\$ 2.39	\$ 661	15%	
B	HPS	6,000	70	192	\$ 16,130,000	\$ 3,097	\$ 16.59	\$ 3,569	\$ 2.46	\$ 472	15%	
C	HPS	28,000	250	216	\$ 11,690,000	\$ 2,519	\$ 10.33	\$ 2,230	\$ (1.33)	\$ -288	-11%	
C	HPS	15,000	150	96	\$ 10,770,000	\$ 1,034	\$ 10.20	\$ 979	\$ (0.57)	\$ -55	-5%	
D	HPS	50,000	400	9,108	\$ 23,280,000	\$ 212,034	\$ 13.17	\$ 119,967	\$ (10.11)	\$ -92,067	-43%	
D	HPS	28,000	250	104,472	\$ 19,750,000	\$ 2,063,322	\$ 13.04	\$ 1,362,460	\$ (6.71)	\$ -700,862	-34%	
D	HPS	15,000	150	113,282	\$ 15,890,000	\$ 1,800,210	\$ 12.82	\$ 1,463,238	\$ (2.97)	\$ -336,971	-18%	
D	HPS	9,500	100	2,210,016	\$ 12,920,000	\$ 28,553,407	\$ 12.80	\$ 28,502,272	\$ (0.02)	\$ -51,135	0%	
D	HPS	6,000	70	60,648	\$ 12,460,000	\$ 755,674	\$ 12.86	\$ 779,578	\$ 0.40	\$ 24,304	3%	
E	HPS	50,000	400	432	\$ 15,500,000	\$ 6,898	\$ 11.75	\$ 5,078	\$ (3.75)	\$ -1,819	-24%	
E	HPS	28,000	250	23,616	\$ 13,150,000	\$ 310,550	\$ 11.62	\$ 274,522	\$ (1.53)	\$ -36,028	-12%	
E	HPS	15,000	150	19,344	\$ 10,400,000	\$ 201,178	\$ 11.50	\$ 222,431	\$ 1.10	\$ 21,253	11%	
E	HPS	9,500	100	25,632	\$ 8,880,000	\$ 227,612	\$ 11.48	\$ 294,253	\$ 2.60	\$ 66,641	29%	
A	MH	32,200	400	1,224	\$ 9,490,000	\$ 11,616	\$ 5.41	\$ 6,817	\$ (4.08)	\$ -4,999	-43%	
A	MH	18,475	250	1,776	\$ 10,340,000	\$ 18,364	\$ 10.00	\$ 17,764	\$ (0.34)	\$ -600	-3%	
A	MH	12,900	175	12	\$ 11,010,000	\$ 132	\$ 8.00	\$ 96	\$ (3.01)	\$ -336	-27%	
A	MH	7,900	100	24	\$ 11,690,000	\$ 281	\$ 7.30	\$ 175	\$ (4.39)	\$ -105	-38%	
D	MH	32,200	400	2,288	\$ 23,940,000	\$ 54,256	\$ 19.43	\$ 44,072	\$ (4.51)	\$ -10,224	-19%	
D	MH	18,475	250	8,652	\$ 26,430,000	\$ 228,672	\$ 18.62	\$ 161,115	\$ (7.81)	\$ -67,557	-30%	
D	MH	12,900	175	5,880	\$ 23,520,000	\$ 138,298	\$ 16.70	\$ 96,183	\$ (6.82)	\$ -40,115	-29%	
D	MH	7,900	100	28,224	\$ 23,290,000	\$ 657,337	\$ 16.00	\$ 451,479	\$ (7.29)	\$ -205,858	-31%	
E	MH	32,200	400	2,376	\$ 18,560,000	\$ 44,099	\$ 16.00	\$ 36,010	\$ (2.58)	\$ -8,088	-14%	
E	MH	18,475	250	1,152	\$ 18,350,000	\$ 21,139	\$ 15.17	\$ 17,476	\$ (3.18)	\$ -3,664	-17%	
E	MH	12,900	175	1,752	\$ 17,090,000	\$ 29,942	\$ 14.33	\$ 25,108	\$ (2.76)	\$ -4,834	-16%	
E	MH	7,900	100	1,176	\$ 19,680,000	\$ 23,144	\$ 13.63	\$ 16,026	\$ (6.05)	\$ -7,115	-31%	
A	LED	15,100	180	684	\$ 7,930,000	\$ 5,424	\$ 5.22	\$ 3,571	\$ (2.71)	\$ -1,853	-34%	
A	LED	10,850	115	283,740	\$ 5,150,000	\$ 1,461,261	\$ 4.79	\$ 1,359,803	\$ (0.36)	\$ -101,858	-7%	
A	LED	7,900	95	228,216	\$ 3,640,000	\$ 830,706	\$ 4.39	\$ 1,001,435	\$ 0.75	\$ 170,729	21%	
A	LED	4,800	45	605,160	\$ 3,640,000	\$ 2,202,762	\$ 3.94	\$ 2,385,039	\$ 0.30	\$ 182,257	8%	
A	LED	2,000	20	0	\$ 0	\$ 0	\$ 3.94	\$ 0	\$ 3.94	\$ 0		
B	LED	10,850	115	2,760	\$ 17,750,000	\$ 48,990	\$ 19.24	\$ 53,106	\$ 1.49	\$ 4,116	8%	
B	LED	7,900	95	300	\$ 16,200,000	\$ 4,860	\$ 18.84	\$ 5,651	\$ 2.64	\$ 791	16%	
B	LED	4,800	45	1,632	\$ 16,200,000	\$ 26,438	\$ 18.39	\$ 30,013	\$ 2.19	\$ 3,575	14%	
C	LED	10,850	115	2,928	\$ 11,660,000	\$ 34,140	\$ 22.27	\$ 65,221	\$ 10.61	\$ 31,080	91%	
C	LED	7,900	95	864	\$ 10,770,000	\$ 9,305	\$ 10.73	\$ 9,274	\$ (0.04)	\$ -31	0%	
D	LED	15,100	180	22,272	\$ 23,280,000	\$ 518,492	\$ 7.01	\$ 156,026	\$ (18.27)	\$ -362,466	-70%	
D	LED	10,850	115	240,348	\$ 19,750,000	\$ 4,746,873	\$ 13.58	\$ 3,264,218	\$ (6.17)	\$ -1,482,655	-31%	
D	LED	7,900	95	64,404	\$ 15,890,000	\$ 1,023,380	\$ 13.16	\$ 848,690	\$ (2.71)	\$ -174,690	-17%	
D	LED	4,800	45	1,041,864	\$ 12,920,000	\$ 13,460,883	\$ 12.73	\$ 13,263,619	\$ (0.19)	\$ -197,263	-1%	
D	LED	2,000	20	0	\$ 0	\$ 0	\$ 12.73	\$ 0	\$ 12.73	\$ 0		
E	LED	15,100	180	600	\$ 15,500,000	\$ 9,300	\$ 25.73	\$ 15,438	\$ 10.23	\$ 6,138	66%	
E	LED	10,850	115	13,728	\$ 13,150,000	\$ 180,523	\$ 12.44	\$ 170,716	\$ (0.71)	\$ -9,807	-5%	
E	LED	7,900	95	6,624	\$ 10,400,000	\$ 68,890	\$ 12.03	\$ 79,700	\$ 1.63	\$ 10,810	16%	
E	LED	4,800	45	3,120	\$ 8,880,000	\$ 27,706	\$ 11.59	\$ 36,145	\$ 2.71	\$ 8,440	30%	
1D & 4A'S	MH	7,900	100	480	\$ 14,010,000	\$ 6,725	\$ 9.04	\$ 4,338	\$ (4.97)	\$ -2,387	-35%	
Total Lamps					5,468,172	\$61,629,154		\$ 58,263,113		\$ -3,366,041	-5%	
Break-away Base					1,380	\$ 1.09	\$1,504	1.03	\$ 1.421	\$ (0.06)	\$ -83	-6%
Total Revenue						\$61,630,658		\$ 58,264,534		\$ -3,366,124	-5%	

¹ Amount stated is the most recent manufacturers specifications for initial lumen

² There is also one unique lamp type under MH 7,900, that is charged for 1 Schedule D and 4 Schedule A's

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
O&M ALLOCATIONS DATA
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

Data for Allocation of FERC Account 373

Sched	Lamp Type	Lumen	Watt	Annual No. of Lamps	Lamps Per Pole	Lamp Related O&M	Pole Related O&M	Annual O&M Fixture Related	Annual O&M Pole Related	Trans. Portion of Pole Related	Number of Poles	Annual Trans. Related O&M
A	MV	22,600	400	1,128	1	\$ 2.24	\$ 10.76	\$ 210.83	\$ 1,011.13	\$ 1.66	94	\$ 156.28
A	MV	7,800	175	612	1	\$ 1.82	\$ 10.76	\$ 92.86	\$ 548.59	\$ 1.66	51	\$ 84.79
A	MV	4,200	100	4,704	1	\$ 2.05	\$ 10.76	\$ 804.64	\$ 4,216.61	\$ 1.66	392	\$ 651.70
B	MV	22,600	400	24	1	\$ 2.24	\$ 10.39	\$ 4.49	\$ 20.78	\$ 1.66	2	\$ 3.33
B	MV	4,200	100	12	1	\$ 2.05	\$ 10.76	\$ 2.05	\$ 10.76	\$ 1.66	1	\$ 1.66
D	MV	22,600	400	84	1	\$ 2.24	\$ 10.39	\$ 15.70	\$ 72.71	\$ 1.66	7	\$ 11.54
D	MV	7,800	175	504	1	\$ 1.82	\$ 10.39	\$ 76.48	\$ 436.28	\$ 1.66	42	\$ 69.83
D	MV	4,200	100	24,060	1	\$ 2.05	\$ 10.39	\$ 4,115.59	\$ 20,826.94	\$ 1.66	2,005	\$ 3,333.31
E	MV	22,600	400	48	2	\$ 4.49	\$ 10.76	\$ 17.94	\$ 21.51	\$ 1.66	2	\$ 3.33
A	HPS	50,000	400	6,288	1	\$ 1.86	\$ 10.76	\$ 975.93	\$ 5,636.49	\$ 1.66	524	\$ 871.15
A	HPS	28,000	250	85,472	1	\$ 1.92	\$ 10.76	\$ 10,475.04	\$ 58,688.37	\$ 1.66	5,458	\$ 9,070.60
A	HPS	15,000	150	54,960	1	\$ 1.93	\$ 10.76	\$ 8,829.49	\$ 49,265.53	\$ 1.66	4,580	\$ 7,614.25
A	HPS	9,500	100	160,980	1	\$ 1.80	\$ 10.76	\$ 24,214.00	\$ 144,300.68	\$ 1.66	13,415	\$ 22,302.44
A	HPS	6,000	70	5,772	1	\$ 1.87	\$ 10.76	\$ 899.65	\$ 5,173.96	\$ 1.66	481	\$ 799.68
B	HPS	50,000	400	48	1	\$ 1.86	\$ 10.39	\$ 7.45	\$ 41.55	\$ 1.66	4	\$ 6.65
B	HPS	28,000	250	1,728	1	\$ 1.92	\$ 10.39	\$ 276.47	\$ 1,495.80	\$ 1.66	144	\$ 239.40
B	HPS	15,000	150	168	1	\$ 1.93	\$ 10.39	\$ 26.99	\$ 145.43	\$ 1.66	14	\$ 23.28
B	HPS	9,500	100	278	1	\$ 1.52	\$ 10.39	\$ 34.92	\$ 238.91	\$ 1.66	23	\$ 38.24
B	HPS	6,000	70	192	1	\$ 1.87	\$ 10.39	\$ 29.93	\$ 166.20	\$ 1.66	16	\$ 26.60
C	HPS	28,000	250	216	2	\$ 3.84	\$ 10.76	\$ 69.12	\$ 96.81	\$ 1.66	9	\$ 14.96
C	HPS	15,000	150	96	2	\$ 3.86	\$ 10.76	\$ 30.85	\$ 43.03	\$ 1.66	4	\$ 6.65
D	HPS	50,000	400	9,108	1	\$ 1.86	\$ 10.39	\$ 1,413.60	\$ 7,884.11	\$ 1.66	759	\$ 1,261.84
D	HPS	28,000	250	104,472	1	\$ 1.92	\$ 10.39	\$ 16,714.75	\$ 90,433.58	\$ 1.66	8,706	\$ 14,473.73
D	HPS	15,000	150	113,292	1	\$ 1.93	\$ 10.39	\$ 18,220.71	\$ 98,068.36	\$ 1.66	9,441	\$ 15,995.86
D	HPS	9,500	100	2,210,018	1	\$ 1.80	\$ 10.39	\$ 332,422.26	\$ 1,913,045.10	\$ 1.66	184,168	\$ 306,779.30
D	HPS	6,000	70	60,648	1	\$ 1.87	\$ 10.39	\$ 9,452.89	\$ 52,498.43	\$ 1.66	5,054	\$ 8,402.28
E	HPS	50,000	400	432	2	\$ 3.72	\$ 10.76	\$ 134.10	\$ 193.62	\$ 1.66	18	\$ 29.93
E	HPS	28,000	250	23,616	2	\$ 3.84	\$ 10.76	\$ 7,556.77	\$ 10,584.56	\$ 1.66	984	\$ 1,635.90
E	HPS	15,000	150	19,344	2	\$ 3.86	\$ 10.76	\$ 6,215.35	\$ 8,669.87	\$ 1.66	806	\$ 1,339.98
E	HPS	9,500	100	25,632	2	\$ 3.81	\$ 10.76	\$ 7,710.94	\$ 11,488.12	\$ 1.66	1,068	\$ 1,775.55
A	MH	32,200	400	1,224	2	\$ 16.54	\$ 43.03	\$ 1,887.10	\$ 2,194.38	\$ 6.65	61	\$ 339.15
A	MH	19,475	250	1,776	1	\$ 10.40	\$ 43.03	\$ 1,538.91	\$ 6,367.95	\$ 6.65	148	\$ 984.20
A	MH	12,800	175	12	1	\$ 9.30	\$ 25.82	\$ 9.30	\$ 25.82	\$ 3.99	1	\$ 3.99
A	MH	7,900	100	24	1	\$ 10.44	\$ 25.82	\$ 20.88	\$ 51.63	\$ 3.99	2	\$ 7.98
D	MH	32,200	400	2,268	1	\$ 16.54	\$ 41.55	\$ 3,128.09	\$ 7,852.95	\$ 6.65	189	\$ 1,266.85
D	MH	19,475	250	8,652	1	\$ 10.40	\$ 41.55	\$ 7,466.98	\$ 29,957.55	\$ 6.65	721	\$ 4,794.65
D	MH	12,800	175	5,880	1	\$ 9.30	\$ 24.93	\$ 4,557.57	\$ 12,215.70	\$ 3.99	490	\$ 1,955.10
D	MH	7,900	100	28,224	1	\$ 10.44	\$ 24.93	\$ 24,560.57	\$ 58,635.38	\$ 3.99	2,352	\$ 9,384.48
E	MH	32,200	400	2,376	2	\$ 33.08	\$ 43.03	\$ 6,549.91	\$ 4,259.64	\$ 6.65	99	\$ 658.35
E	MH	19,475	250	1,152	2	\$ 20.80	\$ 43.03	\$ 1,996.42	\$ 2,065.28	\$ 6.65	48	\$ 319.20
E	MH	12,800	175	1,752	2	\$ 18.60	\$ 25.82	\$ 2,715.94	\$ 1,884.57	\$ 3.99	73	\$ 291.27
E	MH	7,900	100	1,176	2	\$ 20.88	\$ 25.82	\$ 2,046.71	\$ 1,264.96	\$ 3.99	49	\$ 195.51
A	LED	15,100	180	684	1	\$ 2.18	\$ 6.45	\$ 124.14	\$ 367.88	\$ 1.00	57	\$ 56.86
A	LED	10,850	115	283,740	1	\$ 2.18	\$ 6.45	\$ 51,496.01	\$ 152,604.83	\$ 1.00	23,645	\$ 23,585.89
A	LED	7,900	95	228,216	1	\$ 2.18	\$ 6.45	\$ 41,418.95	\$ 122,742.17	\$ 1.00	18,018	\$ 18,970.48
A	LED	4,800	45	605,160	1	\$ 2.18	\$ 6.45	\$ 109,830.57	\$ 325,475.22	\$ 0.50	50,430	\$ 25,151.96
A	LED	2,000	20	-	1	\$ 2.18	\$ 6.45	\$ -	\$ -	\$ 0.50	-	\$ -
B	LED	10,850	115	2,780	1	\$ 2.18	\$ 5.73	\$ 500.91	\$ 1,318.76	\$ 0.50	230	\$ 114.71
B	LED	7,900	95	300	1	\$ 2.18	\$ 5.73	\$ 54.45	\$ 143.34	\$ 1.00	25	\$ 24.94
B	LED	4,800	45	1,632	1	\$ 2.18	\$ 5.73	\$ 298.19	\$ 779.79	\$ 1.00	136	\$ 135.68
C	LED	10,850	115	2,928	1	\$ 4.36	\$ 6.45	\$ 1,062.81	\$ 1,574.78	\$ 1.00	244	\$ 243.39
C	LED	7,900	95	864	2	\$ 4.36	\$ 6.45	\$ 313.61	\$ 232.34	\$ 1.00	36	\$ 35.91
D	LED	15,100	180	22,272	2	\$ 2.18	\$ 6.23	\$ 4,042.15	\$ 5,783.76	\$ 1.00	928	\$ 925.68
D	LED	10,850	115	240,348	1	\$ 2.18	\$ 6.23	\$ 43,620.79	\$ 124,830.74	\$ 1.00	20,029	\$ 19,978.93
D	LED	7,900	95	64,404	1	\$ 2.18	\$ 6.23	\$ 11,688.69	\$ 33,449.83	\$ 1.00	5,367	\$ 5,353.58
D	LED	4,800	45	1,041,864	1	\$ 2.18	\$ 6.23	\$ 189,088.04	\$ 541,118.12	\$ 1.00	86,822	\$ 86,604.95
D	LED	2,000	20	-	1	\$ 2.18	\$ 6.23	\$ -	\$ -	\$ 1.00	-	\$ -
E	LED	15,100	180	600	1	\$ 4.36	\$ 6.45	\$ 217.79	\$ 322.70	\$ 1.00	50	\$ 49.86
E	LED	10,850	115	13,728	2	\$ 4.36	\$ 6.45	\$ 4,962.99	\$ 3,691.69	\$ 10.64	572	\$ 6,066.08
E	LED	7,900	95	8,624	2	\$ 4.36	\$ 6.45	\$ 2,404.38	\$ 1,781.30	\$ -	276	\$ -
E	LED	4,800	45	3,120	2	\$ 4.36	\$ 6.45	\$ 1,132.50	\$ 839.02	\$ -	130	\$ -
10 & 4A'S	MH	7,900	100	480	5	\$ 52.21	\$ 128.19	\$ 2,085.46	\$ 1,025.55	\$ -	8	\$ -

Total SLS Lamps	5,457,948	\$ 988,076.28	\$ 3,926,535.57	450,082	\$ 603,633.47
Overhead	1,430,868	\$ 255,127.71	\$ 883,968.37	119,139	\$ 111,410.44
Underground	4,027,080	\$ 710,948.56	\$ 3,042,567.20	330,943	\$ 492,223.03

**2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
OVERALL O&M LIGHTING ALLOCATORS
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE**

(Based on Lighting Cost Study December 31, 2018 Test Year)

Weighted Annual Fixture Replacement Cost		
SLS-OH	\$	255,127.71
SLS-UG	\$	710,948.56
SLS Total	\$	966,076.28
MLS	\$	818,314.15
Total	\$	1,784,390.43

Fixture Replacement Allocation Factors	
SLS-OH	14.30%
SLS-UG	<u>39.84%</u>
SLS Total	54.14%
MLS	<u>45.86%</u>
	100.00%

Transportation O&M	
\$	111,410.44
\$	<u>492,223.03</u>
\$	603,633.47
\$	102,356.14
\$	705,989.60
	15.78%
	<u>69.72%</u>
	85.50%
	14.50%
	100.00%

2019 PLATE CASE
CENTURMINT AND ROY SOLUTION ELECTRIC, LLC
SUSANNE DASH-S
FIRST YEAR ENDING 12/31/2018
SPORING N TROYLA

LAMP TYPE DATA - TEST YR ENDING DECEMBER 31, 2018										CURRENT COST ANALYSIS			
Sched.	Lamp Type	Previous Lumens	Watt	Annual No. of Billed Lamps	Lamps Per Pole	Previous Lumen	Initial Invest. Cost per Pole	Lamp Related O&M Per Yr	Pole Related O&M Per Yr	Total O&M			
A	NV	22,600	400	1,138	1	22600V	\$ 423.37	\$ 2.24	\$ 10.76	\$ 13.00			
A	NV	7,800	175	612	1	7800V	\$ 344.22	\$ 1.82	\$ 10.76	\$ 12.58			
A	NV	4,200	100	4704	1	4200V	\$ 344.45	\$ 2.05	\$ 10.76	\$ 12.81			
B	NV	22,600	400	24	1	22600V	\$ 2,678.02	\$ 2.24	\$ 10.30	\$ 12.63			
B	NV	4,200	100	12	1	4200V	\$ 2,598.08	\$ 2.05	\$ 10.76	\$ 12.81			
D	NV	22,600	400	84	1	22600V	\$ 1,780.31	\$ 2.24	\$ 10.30	\$ 12.83			
D	NV	7,800	175	504	1	7800V	\$ 1,711.16	\$ 1.82	\$ 10.30	\$ 12.21			
D	NV	4,200	100	24,060	1	4200V	\$ 1,711.30	\$ 2.05	\$ 10.30	\$ 12.44			
E	NV	22,600	400	44	2	22600V	\$ 3,351.87	\$ 4.49	\$ 10.76	\$ 15.24			
A	HPS	50,000	400	8,288	1	50000V	\$ 425.17	\$ 1.86	\$ 10.76	\$ 12.62			
A	HPS	28,000	250	85,472	1	28000V	\$ 404.02	\$ 1.92	\$ 10.76	\$ 12.68			
A	HPS	15,000	150	164,860	1	15000V	\$ 384.40	\$ 1.93	\$ 10.76	\$ 12.68			
A	HPS	9,500	100	188,992	1	9500V	\$ 378.98	\$ 1.87	\$ 10.76	\$ 12.63			
A	HPS	4,800	70	5,772	1	4800V	\$ 378.98	\$ 1.87	\$ 10.76	\$ 12.63			
B	HPS	50,000	400	148	1	50000V	\$ 2,679.81	\$ 1.86	\$ 10.30	\$ 12.26			
B	HPS	28,000	250	1,728	1	28000V	\$ 2,658.67	\$ 1.92	\$ 10.30	\$ 12.31			
B	HPS	15,000	150	168	1	15000V	\$ 2,658.04	\$ 1.93	\$ 10.30	\$ 12.32			
B	HPS	9,500	100	276	1	9500V	\$ 2,630.20	\$ 1.92	\$ 10.30	\$ 11.91			
C	HPS	28,000	250	216	2	28000V	\$ 2,631.57	\$ 1.87	\$ 10.30	\$ 12.26			
C	HPS	15,000	150	96	2	15000V	\$ 2,610.57	\$ 3.84	\$ 10.76	\$ 14.60			
D	HPS	50,000	400	\$ 108	1	50000V	\$ 2,671.32	\$ 3.96	\$ 10.76	\$ 14.61			
D	HPS	28,000	250	104,472	1	28000V	\$ 1,792.11	\$ 1.86	\$ 10.30	\$ 12.25			
D	HPS	15,000	150	113,292	1	15000V	\$ 1,770.96	\$ 1.92	\$ 10.30	\$ 12.31			
D	HPS	9,500	100	2,210,018	1	9500V	\$ 1,751.34	\$ 1.93	\$ 10.30	\$ 12.32			
D	HPS	4,800	70	60,048	1	4800V	\$ 1,750.50	\$ 1.87	\$ 10.30	\$ 12.19			
E	HPS	50,000	400	432	2	50000V	\$ 3,355.27	\$ 3.72	\$ 10.30	\$ 12.26			
E	HPS	28,000	250	33,918	2	28000V	\$ 3,352.87	\$ 3.84	\$ 10.76	\$ 14.60			
E	HPS	15,000	150	18,344	2	15000V	\$ 3,327.73	\$ 3.86	\$ 10.76	\$ 14.61			
E	HPS	9,500	100	25,832	2	9500V	\$ 3,272.04	\$ 3.81	\$ 10.76	\$ 14.37			
A	MH	32,800	400	1,224	2	32200H	\$ 494.43	\$ 16.54	\$ 40.03	\$ 56.57			
A	MH	18,475	250	1,773	1	18475V	\$ 472.19	\$ 16.54	\$ 40.03	\$ 56.57			
A	MH	12,900	175	1,712	1	12900V	\$ 511.37	\$ 16.54	\$ 40.03	\$ 56.57			
D	MH	7,800	100	24	1	7800V	\$ 413.37	\$ 16.54	\$ 40.03	\$ 56.57			
D	MH	32,200	400	234	1	32200H	\$ 1,891.37	\$ 16.54	\$ 41.95	\$ 58.49			
D	MH	18,475	250	8,852	1	18475V	\$ 1,838.13	\$ 16.40	\$ 41.95	\$ 51.85			
D	MH	12,900	175	5,860	1	12900V	\$ 1,808.24	\$ 9.30	\$ 24.80	\$ 34.23			
D	MH	7,800	100	28,224	1	7800V	\$ 1,780.30	\$ 10.44	\$ 24.80	\$ 35.37			
E	MH	32,200	400	2,376	2	32200H	\$ 3,469.23	\$ 33.08	\$ 40.03	\$ 73.11			
E	MH	18,475	250	1,152	2	18475V	\$ 3,448.31	\$ 20.50	\$ 40.03	\$ 60.53			
E	MH	12,900	175	1,752	2	12900V	\$ 3,587.52	\$ 18.80	\$ 35.82	\$ 44.42			
E	MH	7,800	100	1,176	2	7800V	\$ 3,331.65	\$ 20.88	\$ 25.82	\$ 46.70			
A	LED	15,100	180	684	1	15100V	\$ 637.16	\$ 2.18	\$ 6.45	\$ 8.63			
A	LED	10,850	115	283,740	1	10850V	\$ 570.56	\$ 2.18	\$ 6.45	\$ 8.63			
A	LED	7,800	95	228,216	1	7800V	\$ 508.00	\$ 2.18	\$ 6.45	\$ 8.63			
A	LED	4,800	45	805,160	1	4800V	\$ 438.73	\$ 2.18	\$ 6.45	\$ 8.63			
B	LED	10,850	118	2,760	1	10850V	\$ 438.73	\$ 2.18	\$ 6.45	\$ 8.63			
B	LED	7,800	95	300	1	7800V	\$ 2,802.20	\$ 2.18	\$ 5.73	\$ 7.91			
B	LED	4,800	45	1,832	1	4800V	\$ 2,782.85	\$ 2.18	\$ 5.73	\$ 7.91			
C	LED	10,850	115	2,808	1	10850V	\$ 3,243.84	\$ 2.18	\$ 6.45	\$ 8.61			
C	LED	7,800	95	86	2	7800V	\$ 1,818.30	\$ 4.36	\$ 6.45	\$ 10.81			
D	LED	15,100	180	22,272	2	15100V	\$ 3,034.10	\$ 2.18	\$ 6.23	\$ 8.41			
D	LED	10,850	115	240,348	1	10850V	\$ 1,937.50	\$ 2.18	\$ 6.23	\$ 8.41			
D	LED	7,800	95	64,404	1	7800V	\$ 1,814.94	\$ 2.18	\$ 6.23	\$ 8.41			
D	LED	4,800	45	1,041,064	1	4800V	\$ 1,805.87	\$ 2.18	\$ 6.23	\$ 8.41			
E	LED	2,000	20	-	1	2000V	\$ 1,805.87	\$ 2.18	\$ 6.23	\$ 8.41			
E	LED	15,100	180	600	1	15100V	\$ 3,779.25	\$ 4.36	\$ 6.45	\$ 10.81			
E	LED	10,850	115	13,728	2	10850V	\$ 3,648.05	\$ 4.36	\$ 6.45	\$ 10.81			
E	LED	7,800	95	6,824	2	7800V	\$ 3,520.83	\$ 4.36	\$ 6.45	\$ 10.81			
E	LED	4,800	45	3,120	2	4800V	\$ 3,382.39	\$ 4.36	\$ 6.45	\$ 10.81			
E	LED	7,800	100	480	5	7800V	\$ 3,433.77	\$ 52.21	\$ 128.19	\$ 180.41			
10 & 44'S													
Overhead													
Underground													
Total Lamps													
Break Away Base													
Total SLS													

1 For Schedule A, where the number of lamps per pole varies, list as the weighted average lamps per pole

2019 BATE CASE
CENTROPOINT ENERGY HOLDING ELECTRIC, LLC
NLS RATE DESIGN
TEST YEAR ENDING 12/31/2018
SPRINGFIELD, MISSOURI

LAMP TYPE DATA - TEST YR ENDING DECEMBER 31, 2018					RELATIVE FUTURE CHANGE FACTOR			PLANT ALLOCATION FACTOR			ANNUAL GAIN ALLOCATION FACTORS					Future Related			Peak Related		
Sched.	Lamp Type	Previous Lumens	Watt	Annual No. of Shaded Lamps	Lamps Per Pole	Initial Invest. per Lamp	Relative Lamp Type Cost Factors	Initial Invest.	Plant Alloc. Factor	Per Lamp	Per Year	O&M Future Factor	Per Pole	No. of Poles	Per Year	O&M Labor Factor					
A	MV	22,600	400	1,128	1	423.37	0.271600	\$ 39,797	0.00006	2.24	210.83	0.0002	10.78	84	\$ 1,011.13	0.00026					
A	MV	7,800	175	612	1	344.22	0.220620	\$ 17,555	0.00003	1.82	82.86	0.0001	10.78	51	\$ 548.58	0.00014					
A	MV	4,200	100	4704	1	344.45	0.220699	\$ 135,024	0.00003	2.05	604.64	0.0009	10.78	392	\$ 4,218.61	0.00107					
B	MV	22,600	400	24	1	2,678.02	1.777891	\$ 5,356	0.00001	2.24	4.49	0.0000	10.39	2	\$ 20.78	0.00001					
B	MV	4,200	100	12	1	2,596.08	1.887349	\$ 2,599	0.00001	2.05	4.05	0.0000	10.78	1	\$ 10.78	0.00001					
D	MV	22,600	400	84	1	1,760.31	1.148509	\$ 12,532	0.00002	2.24	15.70	0.0000	10.39	7	\$ 72.71	0.00002					
D	MV	7,800	175	504	1	1,711.16	1.087729	\$ 71,099	0.00011	1.62	78.48	0.0001	10.39	42	\$ 428.28	0.00011					
D	MV	4,200	100	24,090	1	1,711.38	1.087877	\$ 3,451,330	0.00025	2.05	4,115.59	0.0044	10.39	2,005	\$ 20,828.84	0.00030					
E	MV	22,600	400	46	2	1,675.64	1.075070	\$ 8,703	0.00001	2.24	8.97	0.0000	10.78	2	\$ 21.51	0.00001					
A	HPS	50,000	400	6,288	1	425.17	0.272753	\$ 222,780	0.00004	1.86	975.83	0.0010	10.78	524	\$ 5,638.49	0.00143					
A	HPS	28,000	250	65,472	1	404.02	0.259187	\$ 2,204,358	0.00007	1.92	10,473.04	0.0111	10.78	5,506	\$ 58,988.37	0.01463					
A	HPS	15,000	150	34,980	1	304.90	0.245657	\$ 1,760,581	0.00008	1.93	8,829.49	0.0065	10.78	4,580	\$ 49,285.63	0.01254					
A	HPS	9,500	100	180,980	1	330.58	0.245657	\$ 5,145,426	0.00087	1.80	24,212.04	0.0026	10.78	13,415	\$ 144,300.68	0.03672					
A	HPS	8,000	70	5,772	1	376.86	0.241759	\$ 181,269	0.00028	1.97	889.65	0.0010	10.78	48	\$ 517.98	0.00132					
B	HPS	50,000	400	48	1	2,678.81	1.781834	\$ 10,719	0.00002	1.86	7.45	0.0000	10.39	4	\$ 41.55	0.00001					
B	HPS	28,000	250	1,728	1	2,658.67	1.705558	\$ 382,848	0.00008	1.82	276.47	0.0003	10.39	144	\$ 1,485.80	0.00036					
B	HPS	15,000	150	198	1	2,639.04	1.652840	\$ 36,947	0.00006	1.93	25.99	0.0000	10.39	14	\$ 145.43	0.00014					
B	HPS	9,500	100	276	1	2,639.20	1.682438	\$ 80,679	0.00006	1.52	34.82	0.0000	10.39	43	\$ 238.91	0.00006					
C	HPS	8,000	70	192	1	2,631.50	1.689140	\$ 42,104	0.00004	1.87	29.83	0.0000	10.39	16	\$ 166.20	0.00004					
C	HPS	28,000	250	216	2	1,455.28	0.933583	\$ 26,195	0.00004	1.92	34.56	0.0000	10.76	9	\$ 94.81	0.00002					
C	HPS	15,000	150	96	2	1,435.66	0.930865	\$ 11,465	0.00002	1.93	15.42	0.0000	10.76	4	\$ 43.03	0.00001					
D	HPS	50,000	400	9,108	1	1,792.11	1.146862	\$ 1,360,212	0.00008	1.66	1,413.60	0.0015	10.39	759	\$ 7,884.11	0.00201					
D	HPS	28,000	250	104,472	1	1,770.96	1.130065	\$ 15,418,006	0.00028	1.92	16,714.75	0.0177	10.39	8,708	\$ 90,433.58	0.02201					
D	HPS	15,000	150	113,282	1	1,751.34	1.123507	\$ 16,534,409	0.00028	1.93	18,200.71	0.0183	10.39	9,441	\$ 96,088.39	0.02465					
D	HPS	9,500	100	221,016	1	1,750.50	1.125988	\$32,385,465	0.00055	1.90	332,422.28	0.3517	10.39	184,188	\$ 1,913,045.10	0.48676					
D	HPS	8,000	70	60,448	1	1,743.80	1.116888	\$ 8,813,150	0.00047	1.87	9,452.89	0.0100	10.39	5,054	\$ 52,498.43	0.01336					
E	HPS	50,000	400	432	2	1,877.63	1.062623	\$ 60,365	0.00009	1.96	87.55	0.0001	10.78	18	\$ 193.82	0.00005					
E	HPS	28,000	250	22,616	2	1,858.49	1.062623	\$ 3,258,865	0.00046	1.92	3,778.39	0.0040	10.78	984	\$ 10,384.96	0.00269					
E	HPS	15,000	150	19,344	2	1,838.85	1.050089	\$ 2,839,824	0.00034	1.93	3,107.87	0.0033	10.76	806	\$ 8,609.47	0.00221					
E	HPS	9,500	100	23,832	2	1,838.02	1.048827	\$ 3,944,536	0.00034	1.93	3,825.47	0.0041	10.76	1,088	\$ 11,408.12	0.00282					
A	MH	32,200	400	1,224	2	247.21	0.196891	\$ 25,216	0.00004	8.27	843.55	0.0009	43.03	51	\$ 2,134.38	0.00066					
A	MH	19,475	250	1,778	1	472.19	0.302817	\$ 69,884	0.00011	10.40	1,538.81	0.0016	43.03	148	\$ 6,387.85	0.00182					
A	MH	12,900	175	12	1	541.39	0.347290	\$ 541	0.00000	9.30	9.30	0.0000	25.82	1	\$ 25.82	0.00001					
A	MH	7,800	100	24	1	413.37	0.266178	\$ 827	0.00000	10.44	20.98	0.0000	25.82	2	\$ 51.63	0.00001					
D	MH	32,200	400	2,268	1	1,981.37	1.184091	\$ 351,798	0.00004	15.54	3,120.98	0.0033	41.55	189	\$ 7,852.95	0.00030					
D	MH	19,475	250	5,652	1	1,829.13	1.179626	\$ 1,205,013	0.00003	10.40	7,496.96	0.0078	41.55	721	\$ 29,597.95	0.00162					
D	MH	12,900	175	5,800	1	1,308.24	1.224158	\$ 335,036	0.00143	9.30	4,557.57	0.0048	24.93	490	\$ 12,215.70	0.00311					
D	MH	7,800	100	28,224	1	1,760.20	1.142098	\$ 4,187,276	0.00040	10.44	24,593.57	0.0260	24.93	2,352	\$ 58,535.38	0.01452					
E	MH	32,200	400	2,376	2	1,749.61	1.122398	\$ 346,424	0.00003	15.54	3,274.85	0.0035	43.03	149	\$ 4,759.54	0.00108					
E	MH	19,475	250	1,152	2	1,724.85	1.106387	\$ 161,567	0.00005	10.40	989.21	0.0014	43.03	48	\$ 2,085.28	0.00053					
E	MH	12,900	175	1,752	2	1,753.78	1.150720	\$ 251,689	0.00040	9.30	1,357.87	0.0014	25.82	73	\$ 1,884.57	0.00048					
E	MH	7,800	100	1,176	2	1,865.63	1.084650	\$ 183,251	0.00005	10.44	1,023.36	0.0011	25.82	46	\$ 1,384.96	0.00032					
A	LED	15,100	180	684	1	637.16	0.488745	\$ 36,318	0.00008	2.18	1,34.14	0.0001	6.45	57	\$ 387.46	0.00009					
A	LED	10,850	115	283,740	1	570.56	0.396023	\$ 13,480,938	0.00082	2.18	51,498.01	0.0545	6.45	22,645	\$ 152,804.83	0.03883					
A	LED	7,800	85	228,216	1	506.00	0.358882	\$ 9,861,255	0.01477	2.18	-41,498.95	0.0438	6.45	19,018	\$ 122,742.17	0.03723					
A	LED	4,800	45	465,160	1	438.73	0.261454	\$ 22,725,374	0.00002	2.18	109,830.57	0.1162	6.45	58,430	\$ 325,475.22	0.06001					
A	LED	4,800	45	2,790	1	438.73	0.261454	\$ 649,707	0.00000	2.18	550.01	0.0000	6.45	0	\$ 0	0.00000					
B	LED	10,850	115	320	1	2,162.65	1.772372	\$ 69,046	0.00009	2.18	54.45	0.0001	5.73	220	\$ 1,318.78	0.00004					
B	LED	4,800	45	1,832	1	2,162.65	1.772372	\$ 69,046	0.00009	2.18	268.19	0.0000	5.73	138	\$ 779.70	0.00003					
C	LED	10,850	115	2,928	1	3,243.64	2.080839	\$ 398,298	0.00056	2.18	1,052.81	0.0033	6.45	244	\$ 1,574.78	0.00040					
C	LED	7,800	85	684	2	1,559.26	1.000289	\$ 112,267	0.00021	4.98	1,052.81	0.0011	6.45	38	\$ 332.34	0.00006					
D	LED	15,100	180	22,272	2	1,002.05	0.640629	\$ 1,859,807	0.02984	1.09	2,027.07	0.0021	6.23	826	\$ 5,783.76	0.00147					
D	LED	10,850	115	240,348	1	1,937.50	1.245932	\$ 38,808,206	0.05803	2.18	43,620.79	0.0461	6.23	20,028	\$ 124,830.74	0.03176					
D	LED	7,800	85	64,404	1	1,874.84	1.202890	\$ 10,962,823	0.01536	2.18	11,848.88	0.0124	6.23	5,367	\$ 33,448.83	0.00451					
D	LED	4,800	45	1,941,844	1	1,805.67	1.158392	\$19,172,169	0.23867	2.18	165,089.04	0.2000	6.23	89,822	\$ 541,118.12	0.13768					
C	LED	15,100	180	500	1	3,779.25	2.44437	\$ 188,963	0.00009	4.98	217.79	0.0002	6.45	50	\$ 322.70	0.00006					
E	LED	10,850	115	13,728	2	1,823.02	1.189483	\$ 2,085,539	0.00319	2.18	2,491.50	0.0026	6.45	572	\$ 3,891.69	0.00044					
E	LED	7,800	85	6,624	2	1,760.47	1.175962	\$ 971,778	0.00149	2.18	1,202.19	0.0013	6.45	276	\$ 1,781.30	0.00045					
E	LED	4,800	45	3,120	2	1,691.20	1.094594	\$ 439,711	0.00067	2.18	566.25	0.0006	6.45	130	\$ 639.02	0.00021					
10 & 4AYS	MH	7,800	100	480	5	684.75	0.488561	\$ 27,470	0.00004	10.44	417.70	0.0004	128.19	8	\$ 1,025.55	0.00026					
Total Lamps																	468,486	1,0000	5,336,881	1,0000	
Break Away Base																					
Total SLS																					
Total Schedule A																					
Total Schedule B																					
Total Schedule C																					
Total OH																					

2019 BAYTE CANS.
CENTERPOINT ENERGY MOUNTAIN ALLIANCE, LLC
NJ STATE DEPT OF TREASURY
TEST YEAR 2019-2020
APPROX. IN. TROUBLE

WPS-Survey Report Page 17 of 77

LAMP TYPE DATA - TEST YEAR ENDING DECEMBER 31, 2018						181	(Plant and O&M Using Rev Rec Data)				Unit Charge			PROPOSED REVENUE REQUIREMENT CHECK			
Sched.	Lamp Type	Previous Lumens	Watt	Annual No. of Street Lamps	Lamps Per Pole 1	Plant	Future Related	Peak Related	Plant	O&M		TOTAL		\$/mo.	\$/yr.		
A	MV	22,800	400	1,128	1	3,081	\$	275	\$	1,843	\$	273	\$	1,70	\$	4,457	\$
A	MV	7,800	175	612	1	1,359	\$	121	\$	891	\$	222	\$	165	\$	388	\$
A	MV	4,200	100	4,704	1	10,454	\$	1,048	\$	6,852	\$	229	\$	165	\$	10,347	\$
B	MV	22,800	400	12	1	415	\$	6	\$	34	\$	17,28	\$	165	\$	18,43	\$
B	MV	4,200	100	24	1	201	\$	3	\$	17	\$	18,77	\$	168	\$	18,43	\$
D	MV	22,800	400	84	1	5,970	\$	20	\$	116	\$	11,55	\$	165	\$	13,20	\$
D	MV	7,800	175	504	1	5,944	\$	100	\$	769	\$	11,04	\$	160	\$	12,94	\$
D	MV	4,200	100	24,060	1	265,687	\$	5,362	\$	33,845	\$	11,04	\$	163	\$	12,967	\$
E	MV	22,800	400	48	2	519	\$	12	\$	36	\$	10,81	\$	0,97	\$	11,78	\$
A	HPS	50,000	400	6,288	1	17,240	\$	1,271	\$	81,601	\$	2,74	\$	1,86	\$	4,40	\$
A	HPS	20,000	250	65,472	1	170,670	\$	13,847	\$	95,373	\$	2,81	\$	1,87	\$	4,27	\$
A	HPS	15,000	150	54,980	1	138,310	\$	11,503	\$	80,000	\$	2,48	\$	1,65	\$	4,15	\$
A	HPS	9,500	100	180,980	1	386,379	\$	31,545	\$	224,488	\$	2,47	\$	1,66	\$	4,06	\$
B	HPS	50,000	400	48	1	14,035	\$	1,172	\$	8,408	\$	2,43	\$	1,66	\$	4,06	\$
B	HPS	28,000	250	1,728	1	29,642	\$	350	\$	2,431	\$	1,715	\$	1,62	\$	18,77	\$
B	HPS	15,000	150	168	1	2,861	\$	35	\$	236	\$	1,703	\$	1,62	\$	18,94	\$
B	HPS	9,500	100	276	1	4,068	\$	45	\$	348	\$	1,702	\$	1,57	\$	18,94	\$
C	HPS	6,000	70	182	1	3,200	\$	39	\$	270	\$	1,808	\$	1,61	\$	18,50	\$
C	HPS	28,000	250	216	2	2,028	\$	45	\$	157	\$	9,39	\$	0,94	\$	10,33	\$
D	HPS	15,000	150	96	2	680	\$	35	\$	70	\$	9,26	\$	0,94	\$	10,30	\$
D	HPS	50,000	400	91,08	1	105,313	\$	1,842	\$	12,012	\$	11,56	\$	1,61	\$	13,17	\$
D	HPS	28,000	250	104,472	1	1,183,720	\$	21,715	\$	1,207	\$	11,43	\$	1,62	\$	13,04	\$
D	HPS	15,000	150	113,262	1	1,183,720	\$	21,715	\$	1,207	\$	11,43	\$	1,62	\$	13,04	\$
D	HPS	9,500	100	22,018	1	24,863,367	\$	433,068	\$	3,108,838	\$	11,29	\$	1,80	\$	12,90	\$
D	HPS	8,000	70	6,848	1	882,346	\$	12,315	\$	45,314	\$	11,25	\$	1,81	\$	12,96	\$
E	HPS	50,000	400	432	2	4,670	\$	87	\$	315	\$	10,62	\$	0,93	\$	11,75	\$
E	HPS	28,000	250	23,616	2	252,399	\$	4,522	\$	17,201	\$	10,69	\$	0,94	\$	11,67	\$
E	HPS	15,000	150	19,344	2	204,283	\$	4,048	\$	14,098	\$	10,56	\$	0,94	\$	11,40	\$
E	HPS	9,500	100	25,632	2	270,561	\$	5,023	\$	18,688	\$	10,56	\$	0,92	\$	11,51	\$
A	MH	32,000	400	1,224	2	1,852	\$	1,059	\$	3,596	\$	1,60	\$	3,81	\$	5,41	\$
A	MH	19,475	250	1,776	1	5,411	\$	2,005	\$	10,348	\$	3,05	\$	8,96	\$	10,00	\$
A	MH	12,900	175	12	1	42	\$	12	\$	42	\$	349	\$	4,51	\$	8,00	\$
A	MH	7,800	100	24	1	64	\$	27	\$	84	\$	2,67	\$	4,63	\$	7,20	\$
D	MH	32,000	400	2,296	1	27,236	\$	4,073	\$	12,762	\$	12,01	\$	7,42	\$	19,43	\$
D	MH	19,475	250	8,652	1	102,685	\$	9,787	\$	48,953	\$	11,87	\$	6,76	\$	18,67	\$
D	MH	12,900	175	5,880	1	72,384	\$	5,837	\$	18,851	\$	12,31	\$	4,39	\$	18,70	\$
E	MH	7,800	100	28,224	1	324,195	\$	31,697	\$	95,287	\$	11,49	\$	4,51	\$	16,00	\$
E	MH	32,000	400	2,276	2	28,821	\$	4,267	\$	6,922	\$	11,29	\$	4,71	\$	16,00	\$
E	MH	19,475	250	1,152	2	12,819	\$	1,300	\$	3,208	\$	11,13	\$	4,04	\$	13,17	\$
E	MH	12,900	175	1,752	2	20,270	\$	1,789	\$	3,083	\$	11,57	\$	2,76	\$	14,33	\$
E	MH	7,800	100	1,776	2	12,640	\$	1,333	\$	2,686	\$	10,75	\$	2,88	\$	13,63	\$
A	LED	15,100	180	664	1	2,812	\$	1,333	\$	2,686	\$	4,11	\$	1,11	\$	5,22	\$
A	LED	10,850	115	283,740	1	1,644,622	\$	67,867	\$	267,894	\$	3,88	\$	1,11	\$	4,79	\$
A	LED	7,800	95	228,216	1	48,011	\$	53,898	\$	108,495	\$	3,28	\$	1,11	\$	4,79	\$
A	LED	4,800	45	695,160	1	1,713,035	\$	143,394	\$	528,921	\$	2,83	\$	1,11	\$	3,94	\$
A	LED	2,000	20	-	1	-	\$	-	\$	-	\$	2,83	\$	1,11	\$	3,94	\$
B	LED	10,850	115	2,780	1	50,310	\$	653	\$	2,143	\$	16,23	\$	1,01	\$	19,24	\$
B	LED	7,800	95	300	1	5,347	\$	71	\$	233	\$	17,62	\$	1,01	\$	18,64	\$
B	LED	4,800	45	1,832	1	28,360	\$	346	\$	1,267	\$	17,38	\$	1,01	\$	18,64	\$
C	LED	10,850	115	2,628	1	81,277	\$	1,385	\$	2,598	\$	20,93	\$	1,35	\$	22,27	\$
C	LED	7,800	95	984	2	8,692	\$	204	\$	378	\$	10,08	\$	0,67	\$	10,73	\$
D	LED	15,100	180	22,272	2	143,844	\$	2,633	\$	9,399	\$	8,47	\$	0,54	\$	7,01	\$
D	LED	10,850	115	240,348	1	3,004,531	\$	56,828	\$	202,859	\$	13,50	\$	1,09	\$	13,58	\$
D	LED	7,800	95	64,404	1	779,104	\$	15,229	\$	54,359	\$	12,10	\$	1,09	\$	13,18	\$
D	LED	4,800	45	1,041,864	1	12,137,926	\$	246,330	\$	879,359	\$	11,85	\$	1,09	\$	12,73	\$
E	LED	2,000	20	-	1	-	\$	-	\$	-	\$	11,65	\$	1,09	\$	12,73	\$
E	LED	15,100	180	800	1	14,830	\$	284	\$	524	\$	24,38	\$	1,35	\$	25,73	\$
E	LED	10,850	115	13,728	2	161,471	\$	3,248	\$	5,969	\$	11,76	\$	0,87	\$	12,64	\$
E	LED	7,800	95	8,624	2	75,239	\$	1,368	\$	2,895	\$	11,36	\$	0,67	\$	12,03	\$
E	LED	4,800	45	3,120	2	34,044	\$	738	\$	1,303	\$	10,91	\$	0,67	\$	11,26	\$
E	LED	7,800	100	480	5	2,127	\$	344	\$	1,967	\$	4,43	\$	4,91	\$	9,04	\$

10.44.0.5

Overhead	\$	4,488,196	\$	331,278	\$	1,438,155
Underground	\$	48,178,677	\$	930,131	\$	4,546,872
Total Lamps	\$	53,666,874	\$	1,261,412	\$	6,385,027
Break Away Base	\$	4,207,386	\$	328,017	\$	1,427,804
Total SLS	\$	125,823	\$	1,607	\$	7,087
Total SLS	\$	72,887	\$	1,854	\$	3,164
1 For Schedule A where the number of lamps per pole varies this is the weighted average lamp	\$	4,488,196	\$	331,278	\$	1,438,155
Check	\$		\$		\$	

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE A
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 WEIGHTED AVERAGE STREET LIGHT COSTS

SCHEDULE A 120 VOLT																	
BASIC DATA	MERCURY VAPOR			HIGH PRESSURE SODIUM					METAL HALIDE				LED				
	100W	175W	400W	70W	100W	150W	250W	400W	100W	175W	250W	400W	20W	45W	95W	115W	180W
LAMP RATED INITIAL LUMENS (read comment)	4200V	7800V	22600V	6000V	9500V	15000V	28000V	50000V	7900V	12900V	19475V	32200H	2000	4800	7900	10850	15100
LAMP RATED MEAN LUMENS	3300V	6800V	14400V	5500V	8000V	13800V	26100V	45000V	5800V	8400V	12500V	23000H					
LAMP LIFE HOURS	24000	24000	24000	24000	24000	24000	24000	24000	10000	10000	6000	6000	80000	80000	80000	80000	80000
WATTAGE INCLUDING BALLAST																	
AVERAGE HOURS OF OPERATION	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
ESTIMATED ANNUAL KWH	492	828	1800	348	456	596	1272	1920	480	840	1152	1908	96	204	384	456	768
MOUNTING ARM LENGTH (FEET)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MOUNTING HEIGHT (FEET)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
INITIAL INVESTMENT																	
LUMINAIRE	\$ 53.00	\$ 54.00	\$ 110.00	\$ 77.72	\$ 82.97	\$ 82.97	\$ 97.42	\$ 113.24	\$ 92.01	\$ 186.36	\$ 144.05	\$ 152.63	\$ 114.28	\$ 114.28	\$ 165.15	\$ 211.09	\$ 260.00
LAMP	6.97	5.8	7.93	6.05	5.72	5.34	6.30	6.01	18.57	16.17	9.73	17.48	0	0	0	0	0
PHOTOVOLTAGE ELECTRIC RELAY (PER)	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	18.32	18.32	18.32	18.32	18.32
MOUNTING BRACKET (#)	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34
100' SPAN - #4-2C TWIST @ \$ 20/FT	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
ARM WIRING / SPLICES / MISC. COMPONENTS	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53
INITIAL MATERIAL COST (SUB-TOTAL)	\$ 137.23	\$ 137.06	\$ 195.19	\$ 161.03	\$ 165.95	\$ 166.57	\$ 180.98	\$ 196.51	\$ 187.84	\$ 281.79	\$ 231.04	\$ 247.37	\$ 206.47	\$ 206.47	\$ 257.34	\$ 303.28	\$ 352.19
INSTALLATION COST (LABOR)	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35	\$ 134.35
OVERHEAD (STORES & ENGR.)	\$ 72.87	\$ 72.81	\$ 93.83	\$ 81.48	\$ 83.26	\$ 83.46	\$ 88.69	\$ 94.31	\$ 91.18	\$ 125.16	\$ 106.80	\$ 112.71	\$ 97.91	\$ 97.91	\$ 116.31	\$ 132.93	\$ 150.62
TOTAL INVESTMENT COST	\$ 344.45	\$ 344.22	\$ 423.37	\$ 376.86	\$ 383.56	\$ 384.40	\$ 404.02	\$ 425.17	\$ 413.37	\$ 541.30	\$ 472.19	\$ 494.43	\$ 438.73	\$ 438.73	\$ 508.00	\$ 570.56	\$ 637.16
OPERATING EXPENSES																	
FIXTURE REPLACEMENT COST	\$ 10.36	\$ 9.19	\$ 11.32	\$ 9.44	\$ 9.11	\$ 9.73	\$ 9.69	\$ 9.40	\$ 21.96	\$ 19.58	\$ 13.12	\$ 20.87	\$ 36.64	\$ 36.64	\$ 36.64	\$ 36.64	\$ 36.64
TRANSPORTATION COST	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95
Labor Cost/Hr	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89
Man Hours	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
COORDINATION COST	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12
REPLACEMENT COST (LABOR)	\$ 64.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 109.13	\$ 109.13	\$ 109.13	\$ 109.13	\$ 109.13
OVERHEAD (STORES)	\$ 1.96	\$ 1.74	\$ 2.14	\$ 1.78	\$ 1.72	\$ 1.84	\$ 1.83	\$ 1.77	\$ 4.15	\$ 3.89	\$ 2.48	\$ 3.94	\$ 6.92	\$ 6.92	\$ 6.92	\$ 6.92	\$ 6.92
TOTAL COST TO REPLACE FIXTURE	\$ 76.66	\$ 75.47	\$ 78.00	\$ 76.76	\$ 75.37	\$ 76.11	\$ 76.06	\$ 75.71	\$ 90.65	\$ 87.79	\$ 80.14	\$ 89.35	\$ 172.64	\$ 172.64	\$ 172.64	\$ 172.64	\$ 172.64
Lamp Life (years)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.50	2.50	1.60	1.50	20.00	20.00	20.00	20.00	20.00
ANNUAL OPERATING & MAINTENANCE COST	\$ 12.81	\$ 12.58	\$ 13.00	\$ 12.63	\$ 12.56	\$ 12.68	\$ 12.68	\$ 12.62	\$ 36.26	\$ 35.12	\$ 53.42	\$ 59.57	\$ 8.63	\$ 8.63	\$ 8.63	\$ 8.63	\$ 8.63
Lamp Related O&M																	
Pole Related O&M	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 25.82	\$ 25.82	\$ 43.03	\$ 43.03	\$ 6.45	\$ 6.45	\$ 6.45	\$ 6.45	\$ 6.45
Transportation Portion of Pole Related O&M	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 3.99	\$ 3.99	\$ 6.65	\$ 6.65	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE A
TEST YEAR ENDING 12/31/2018
SPONSOR: AL TRONLE

2018 WEIGHTED AVERAGE STREET LIGHT COSTS

SCHEDULE A 120 VOL1

ASSUMPTIONS:

Overhead (Stores & Engr.) (need to be updated)

Factor Application

Engineering/Construction Overhead Rate =

17.29% Apply to Sum of Material and Labor Cost

Stores Overhead Rate =

18.88% Apply only to Material Cost

Rates are based on estimated 2018 expenditure levels.

Transportation Costs (Truck w/ Single Bucket)

\$ 19.95

Coordination Support

\$ 7.12

Man Hours

Man Hours:

Man Hours for Fixture Replacement

0.5

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE B
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 WEIGHTED AVERAGE STREET LIGHT COSTS

SCHEDULE B - 120 VOLT 30' BASE PLATE TYPE FOUNDATION MOUNTED STANDARD with 8' ARM

BASIC DATA	MERCURY VAPOR		HIGH PRESSURE SODIUM						LED			
	100W	400W	70W	100W	150W	250W	400W	45W	95W	115W	180W	
LAMP RATED INITIAL LUMENS	4200V	22600V	6000V	9500V	15000V	28000V	50000V	4800	7900	10650	15100	
LAMP RATED MEAN LUMENS	3300V	14400V	5500V	8000V	13800V	26100V	45000V					
LAMP LIFE HOURS	24000	24000	24000	24000	24000	24000	24000	80000	80000	80000	80000	
WATTAGE INCLUDING BALLAST	123											
AVERAGE HOURS OF OPERATION	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	
ESTIMATED ANNUAL KWH	492	1800	348	456	696	1272	1920	204	384	456	768	
MOUNTING ARM LENGTH (FEET)	8	8	8	8	8	8	8	8	8	8	8	
MOUNTING HEIGHT (FEET)	30	30	30	30	30	30	30	30	30	30	30	
INITIAL INVESTMENT												
LUMINAIRE	\$ 53.00	\$ 110.00	\$ 77.72	\$ 82.97	\$ 82.97	\$ 97.42	\$ 113.24	\$ 114.28	\$ 165.15	\$ 211.08	\$ 260.00	
LAMP	6.97	7.93	6.05	5.72	6.34	6.30	6.01	0	0	0	0	
PHOTOVOLTALIC ELECTRIC RELAY (PER)-TWO	3.39	3.39	3.39	3.39	3.39	3.39	3.39	18.32	18.32	18.32	18.32	
MOUNTING BRACKET /ARM (8' ARM)	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
30' BASE PLATE TYPE POLE	674	674	674	674	674	674	674	674	674	674	674.00	
FOUNDATION REBAR/ANCHOR BOLT KIT (SAP 243140)	298.18	298.18	298.18	298.18	298.18	298.18	298.18	298.18	298.18	298.18	298.18	
POLE WIRE / SPLICES/ MISC COMPONENTS	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39	
OH WIRE @150' -SOURCE TO POLE @ 20/FT	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	
INITIAL MATERIAL COST (SUB-TOTAL)	\$ 1,153.93	\$ 1,211.89	\$ 1,177.73	\$ 1,182.85	\$ 1,183.27	\$ 1,197.88	\$ 1,213.21	\$ 1,223.17	\$ 1,274.04	\$ 1,319.98	\$ 1,358.89	
INSTALLATION COST (LABOR)	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	
OVERHEAD (STORES & ENGR)	\$ 588.91	\$ 589.88	\$ 577.52	\$ 579.30	\$ 579.52	\$ 584.74	\$ 590.35	\$ 593.96	\$ 612.36	\$ 628.97	\$ 646.66	
TOTAL INVESTMENT COST	\$ 2,599.09	\$ 2,678.02	\$ 2,631.50	\$ 2,638.20	\$ 2,639.04	\$ 2,658.67	\$ 2,679.81	\$ 2,693.38	\$ 2,762.65	\$ 2,825.20	\$ 2,881.80	
OPERATING EXPENSES												
FIXTURE COST	\$ 10.36	\$ 11.32	\$ 9.44	\$ 9.11	\$ 9.73	\$ 9.69	\$ 9.40	\$ 36.64	\$ 36.64	\$ 36.64	\$ 36.64	
TRANSPORTATION COST	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	
Labor Cost/Hr	\$ 94.89	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	
Man Hours	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
COORDINATION COST	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	
REPLACEMENT COST (LABOR)	\$ 54.57	\$ 52.35	\$ 52.35	\$ 52.35	\$ 52.35	\$ 52.35	\$ 52.35	\$ 104.70	\$ 104.70	\$ 104.70	\$ 104.70	
OVERHEAD (STORES)	\$ 1.96	\$ 2.14	\$ 1.78	\$ 1.84	\$ 1.83	\$ 1.77	\$ 1.77	\$ 6.92	\$ 6.92	\$ 6.92	\$ 6.92	
TOTAL COST TO REPLACE FIXTURE	\$ 76.86	\$ 75.78	\$ 73.55	\$ 71.44	\$ 73.89	\$ 73.84	\$ 73.50	\$ 158.23	\$ 158.23	\$ 158.23	\$ 158.23	
Lamp Life (years)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	20.00	20.00	20.00	20.00	
ANNUAL OPERATING & MAINTENANCE COST	\$ 12.81	\$ 12.63	\$ 12.26	\$ 11.91	\$ 12.32	\$ 12.31	\$ 12.26	\$ 7.91	\$ 7.91	\$ 7.91	\$ 7.91	

Lamp Related O&M	\$ 2.05	\$ 2.24	\$ 1.87	\$ 1.52	\$ 1.93	\$ 1.92	\$ 1.86	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18	
Pole Related O&M	\$ 10.76	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 5.73	\$ 5.73	\$ 5.73	\$ 5.73	
Transportation Portion of Pole Related O&M	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE B
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 WEIGHTED AVERAGE STREET LIGHT COSTS
SCHEDULE B - 120 VOLT 30' BASE PLATE TYPE FOUNDATION MOUNTED STANDARD with 8' ARM

ASSUMPTIONS:

Overhead (Stores & Engr.)	Factor
Construction Overhead Rate =	0.1729
Stores Overhead Rate =	0.1888
Rates are based on estimated 2006 expenditure levels	
Transportation Costs (Truck w/ Single Bucket)	\$ 19.95
Coordination Support	\$ 7.12
Man Hours:	
Fixture Replacement	0.5

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE C
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 Weighted Average Street Light Costs
Schedule C - 120 Volt 30' Base Plate Type Foundation Mounted
Standard with Twin 8' Arms

BASIC DATA	High Pressure Sodium		LED		
	150W	250W	95W	115W	180W
LAMP RATED INITIAL LUMENS	15000V	28000V	7900	10850	15100
LAMP RATED MEAN LUMENS	13800V	26100V			
LAMP LIFE HOURS	24000	24000	80000	80000	80000
WATTAGE INCLUDING BALLAST					
AVERAGE HOURS OF OPERATION	4000	4000	4000	4000	4000
ESTIMATED ANNUAL KWH	696	1272	384	456	768
MOUNTING ARM LENGTH (FEET)	8	8	8	8	8
MOUNTING HEIGHT (FEET)	30	30	30	30	30
INITIAL INVESTMENT					
LUMINAIRE (2)	\$ 165.94	\$ 194.84	\$ 330.30	\$ 422.18	\$ 520.00
LAMP (2)	12.68	12.60	0	0	0
PHOTOVOLTAIC ELECTRIC RELAY (PER)-(2)	6.78	6.78	36.64	36.64	36.64
MOUNTING BRACKET /ARM (8'Arm) (2)	150.96	150.96	150.96	150.96	150.96
30' BASE PLATE TYPE POLE	674.00	674.00	674.00	674.00	674.00
FOUNDATION REBAR ANCHOR BOLT KIT (SAP 243140)	298.18	298.18	298.18	298.18	298.18
POLE WIRE / SPLICES/ MISC.COMPONENTS	12.31	12.31	12.31	12.31	12.31
OH WIRE @150' -SOURCE TO POLE @.20/FT	33.00	33.00	33.00	33.00	33.00
INITIAL MATERIAL COST (SUB-TOTAL)	\$ 1,353.85	\$ 1,382.67	\$ 1,535.39	\$ 1,627.27	\$ 1,725.09
INSTALLATION COST (LABOR)	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25	\$ 876.25
OVERHEAD (STORES & ENGR)	\$ 641.22	\$ 651.65	\$ 706.89	\$ 740.12	\$ 775.51
TOTAL INVESTMENT COST	\$ 2,871.32	\$ 2,910.57	\$ 3,118.53	\$ 3,243.64	\$ 3,376.85
OPERATING EXPENSES					
FIXTURE COST	\$ 19.46	\$ 19.38	\$ 73.28	\$ 73.28	\$ 73.28
TRANSPORTATION COST	\$ 9.98	\$ 9.98	\$ 19.95	\$ 19.95	\$ 19.95
Labor Cost/Hr	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89
Man Hours	0.50	0.50	0.50	0.50	0.50
COORDINATION COST	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12
REPLACEMENT COST (LABOR)	\$ 54.57	\$ 54.57	\$ 109.13	\$ 109.13	\$ 109.13
OVERHEAD (STORES)	\$ 3.67	\$ 3.66	\$ 13.84	\$ 13.84	\$ 13.84
TOTAL COST TO REPLACE FIXTURE	\$ 87.67	\$ 87.58	\$ 216.20	\$ 216.20	\$ 216.20
Lamp Life (years)	6.00	6.00	20.00	20.00	20.00
ANNUAL OPERATING & MAINTENANCE COST	\$ 14.61	\$ 14.60	\$ 10.81	\$ 10.81	\$ 10.81

Lamp Related O&M	\$ 3.86	\$ 3.84	\$ 4.36	\$ 4.36	\$ 4.36
Pole Related O&M	\$ 10.76	\$ 10.76	\$ 6.45	\$ 6.45	\$ 6.45
Transportation Portion of Pole Related O&M	\$ 1.66	\$ 1.66	\$ 1.00	\$ 1.00	\$ 1.00

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE C
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 Weighted Average Street Light Costs
Schedule C - 120 Volt 30' Base Plate Type Foundation Mounted
Standard with Twin 8' Arms

ASSUMPTIONS:

Overhead (Stores & Engr)	<u>Factor</u> <u>Application</u>
Construction Overhead Rate =	0.1729 Applied to Sum of Material and Labor Cost
Stores Overhead Rate =	18.88% Applied only to Material Cost
Rates are based on estimated 2018 expenditure levels.	

Transportation Costs: (Truck w/ Single Bucket)	19.95
--	-------

Coordination Support	\$ 7,120
----------------------	----------

Man Hours:	
Fixture Replacement	0.5

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE D
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 WEIGHTED AVG STREET LIGHT COST

	Mercury Vapor			High Pressure Sodium					Metal Halide				LED				
	100W	175W	400W	70W	100W	150W	250W	400W	100W	175W	250W	400W	20W	45W	95W	115W	180W
BASIC DATA																	
LAMP RATED INITIAL LUMENS	4200V	7800V	22600V	6000V	9500V	15000V	26000V	50000V	7800V	12900V	19475V	32200H	2000	4800	7900	10850	15100
LAMP RATED MEAN LUMENS	3300V	6800V	14400V	5500V	8000V	13800V	26100V	45000V	5800V	8400V	12500V	23000H					
LAMP LIFE HOURS	24000	24000	24000	24000	24000	24000	24000	24000	10000	10000	6000	6000	60000	60000	60000	60000	60000
WATTAGE INCLUDING BALLAST																	
AVERAGE HOURS OF OPERATION	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
ESTIMATED ANNUAL KWH	492	828	1800	348	456	696	1272	1920	480	840	1152	1908	96	204	384	456	768
MOUNTING ARM LENGTH (FEET)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MOUNTING HEIGHT (FEET)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
INITIAL INVESTMENT																	
LUMINAIRE	\$ 53.00	\$ 54.00	\$ 110.00	\$ 77.72	\$ 82.97	\$ 82.97	\$ 97.42	\$ 113.24	\$ 92.01	\$ 188.36	\$ 144.05	\$ 152.63	\$ 114.28	\$ 114.28	\$ 165.15	\$ 211.09	\$ 280.00
LAMP	6.97	5.8	7.93	6.05	5.72	6.34	6.30	6.01	18.57	16.17	9.73	17.48	0	0	0	0	0
PHOTOVOLTAIC ELECTRIC RELAY (PER)	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	18.32	18.32	18.32	18.32	18.32
MOUNTING BRACKET /ARM (2)	51	51	51.00	51	51	51	51	51	51	51	51	51	51	51	51	51	51
30' DIRECT EMBEDDED POLE	371	371	371.00	371.00	371.00	371.00	371.00	371.00	371	371	371	371	371	371	371	371	371
POLE WIRE / SPLICES/ MISC COMPONENTS	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71
UG WIRE @150'-SOURCE TO POLE @ 42/FT	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
INITIAL MATERIAL COST (SUB-TOTAL)	\$ 578.07	\$ 577.90	\$ 636.03	\$ 601.87	\$ 606.79	\$ 607.41	\$ 621.82	\$ 637.35	\$ 628.58	\$ 722.63	\$ 671.88	\$ 688.21	\$ 647.31	\$ 647.31	\$ 688.18	\$ 744.12	\$ 793.03
INSTALLATION COST (LABOR)	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97	\$ 787.97
OVERHEAD (STORES & ENGR)	\$ 345.35	\$ 345.29	\$ 368.31	\$ 353.95	\$ 355.74	\$ 355.96	\$ 361.17	\$ 366.79	\$ 363.65	\$ 397.64	\$ 379.28	\$ 385.19	\$ 370.39	\$ 370.39	\$ 388.79	\$ 406.41	\$ 423.10
TOTAL INVESTMENT COST	\$1,711.39	\$ 1,711.16	\$ 1,790.31	\$ 1,743.80	\$ 1,750.50	\$ 1,761.34	\$ 1,770.96	\$ 1,792.11	\$ 1,780.30	\$ 1,908.24	\$ 1,836.13	\$ 1,861.37	\$ 1,805.67	\$ 1,805.67	\$ 1,874.94	\$ 1,937.60	\$ 2,004.10
OPERATING EXPENSES																	
FIXTURE COST	\$ 10.36	\$ 9.19	\$ 11.32	\$ 9.44	\$ 9.11	\$ 9.73	\$ 9.69	\$ 9.40	\$ 21.98	\$ 19.66	\$ 13.12	\$ 20.87	\$ 35.84	\$ 35.84	\$ 36.64	\$ 36.64	\$ 36.64
TRANSPORTATION COST	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95
Labor Cost/Hr	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46	\$ 90.46
Man Hours	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
COORDINATION COST	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12
REPLACEMENT COST (LABOR)	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 62.35	\$ 104.70	\$ 104.70	\$ 104.70	\$ 104.70	\$ 104.70
OVERHEAD (STORES)	\$ 1.98	\$ 1.74	\$ 2.14	\$ 1.78	\$ 1.72	\$ 1.84	\$ 1.83	\$ 1.77	\$ 4.16	\$ 3.66	\$ 2.48	\$ 3.94	\$ 6.92	\$ 6.92	\$ 6.92	\$ 6.92	\$ 6.92
TOTAL COST TO REPLACE FIXTURE	\$ 74.64	\$ 73.25	\$ 75.78	\$ 73.85	\$ 73.16	\$ 73.89	\$ 73.84	\$ 73.50	\$ 88.43	\$ 85.58	\$ 77.92	\$ 87.14	\$ 168.21	\$ 168.21	\$ 168.21	\$ 168.21	\$ 168.21
Lamp Life (years)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.50	2.50	1.50	1.60	20.00	20.00	20.00	20.00	20.00
ANNUAL OPERATING & MAINTENANCE COST	\$ 12.44	\$ 12.21	\$ 12.63	\$ 12.26	\$ 12.19	\$ 12.32	\$ 12.31	\$ 12.25	\$ 35.37	\$ 34.23	\$ 51.95	\$ 58.09	\$ 8.41	\$ 8.41	\$ 8.41	\$ 8.41	\$ 8.41
Lamp Related O&M	\$ 2.05	\$ 1.82	\$ 2.24	\$ 1.87	\$ 1.80	\$ 1.93	\$ 1.92	\$ 1.86	\$ 10.44	\$ 9.30	\$ 10.40	\$ 16.54	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18
Pole Related O&M	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 10.39	\$ 24.93	\$ 24.93	\$ 41.55	\$ 41.55	\$ 6.23	\$ 6.23	\$ 6.23	\$ 6.23	\$ 6.23
Transportation Portion of Pole Related O&M	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 3.99	\$ 3.99	\$ 6.85	\$ 6.85	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00

2019 RATE CASE
ENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE D
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 WEIGHTED AVG STREET LIGHT COST
Schedule D - 120 Volt 30' Direct Embedded Standard with 4' Arm

ASSUMPTIONS

Overhead (Stores & Engr)

Construction Overhead Rate =

Stores Overhead Rate =

Rates are based on estimated 2018 expenditure levels.

Factor	Application
0.1729148	Apply to Sum of Material and Labor Cost
18.88%	Apply only to Material Cost

Transportation Costs (Truck w/ Single Bucket)

\$ 19.95

Coordination Support

\$ 7.12

Man Hours

Fixture Replacement

0.5

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE E
TEST YEAR ENDING 12/31/2018
SPONSOR: AL TROXLE

2018 WEIGHTED AVERAGE STREET LIGHT COST
SCHEDULE E - 120 VOLT 30' BASE PLATE TYPE FOUNDATION MOUNTED
STANDARD with TWIN 8' ARMS

	Mercury Vapor	High Pressure Sodium				Metal Halide				LED			
	400W	100W	150W	250W	400W	100W	175W	250W	400W	45W	95W	115W	180W
BASIC DATA													
LAMP RATED INITIAL LUMENS	22600V	9500V	15000V	28000V	50000V	7900V	12900V	19475V	32200H	4800	7900	10850	15100
LAMP RATED MEAN LUMENS	14400V	8000V	13800V	26100V	45000V	5800V	8400V	12500V	23000H				
LAMP LIFE HOURS	24000	24000	24000	24000	24000	10000	10000	6000	6000	80000	80000	80000	80000
WATTAGE INCLUDING BALLAST													
AVERAGE HOURS OF OPERATION	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
ESTIMATED ANNUAL KWH	1800	456	696	1272	1920	480	840	1152	1908	204	384	456	768
MOUNTING ARM LENGTH (FEET)	8	8	8	8	8	8	8	8	8	8	8	8	8
MOUNTING HEIGHT (FEET)	30	30	30	30	30	30	30	30	30	30	30	30	30
INITIAL INVESTMENT													
LUMINAIRE (2)	\$ 220.00	\$ 165.94	\$ 165.94	\$ 194.84	\$ 226.48	\$ 184.02	\$ 376.72	\$ 288.10	\$ 309.26	\$ 228.56	\$ 330.30	\$ 422.18	\$ 520.00
LAMP (2)	\$ 15.86	\$ 11.44	\$ 12.68	\$ 12.60	\$ 12.02	\$ 37.14	\$ 32.34	\$ 19.46	\$ 34.96	\$ -	\$ -	\$ -	\$ -
PHOTOVOLTALIC ELECTRIC RELAY (PER) - (2)	\$ 6.78	\$ 6.78	\$ 6.78	\$ 6.78	\$ 6.78	\$ 6.78	\$ 6.78	\$ 6.78	\$ 6.78	\$ 36.64	\$ 36.64	\$ 36.64	\$ 36.64
MOUNTING BRACKET / ARM (8') - (2)	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96	\$ 150.96
30' BASE PLATE TYPE POLE	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00	\$ 674.00
FOUNDATION REBAR ANCHOR BOLT KIT (SAP 243162)	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08	\$ 373.08
POLE WIRE / SPLICES/ MISC COMPONENTS	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87	\$ 37.87
UG WIRE @150' -SOURCE TO POLE @.42/FT	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00
INITIAL MATERIAL COST (SUB-TOTAL)	\$ 1,541.55	\$ 1,483.07	\$ 1,484.31	\$ 1,513.13	\$ 1,544.19	\$ 1,526.86	\$ 1,714.75	\$ 1,813.25	\$ 1,849.91	\$ 1,544.11	\$ 1,686.85	\$ 1,767.73	\$ 1,855.55
INSTALLATION COST (LABOR)	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87	\$ 1,067.87
OVERHEAD (STORES & ENGR)	\$ 742.25	\$ 721.10	\$ 721.55	\$ 731.97	\$ 743.21	\$ 736.93	\$ 804.90	\$ 768.19	\$ 781.45	\$ 750.41	\$ 787.21	\$ 820.45	\$ 856.83
TOTAL INVESTMENT COST	\$ 3,351.67	\$ 3,272.04	\$ 3,273.73	\$ 3,312.97	\$ 3,355.27	\$ 3,331.66	\$ 3,587.52	\$ 3,449.31	\$ 3,499.23	\$ 3,362.39	\$ 3,520.93	\$ 3,646.05	\$ 3,779.25
OPERATING EXPENSES													
FIXTURE COST	\$ 22.84	\$ 18.22	\$ 19.46	\$ 19.38	\$ 18.80	\$ 43.92	\$ 39.12	\$ 26.24	\$ 41.74	\$ 73.28	\$ 73.28	\$ 73.28	\$ 73.28
TRANSPORTATION COST	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 9.98	\$ 19.95	\$ 19.95	\$ 19.95	\$ 19.95
Labor Cost/Hr	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89	\$ 94.89
Man Hours	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
COORDINATION COST	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12
REPLACEMENT COST (LABOR)	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 54.57	\$ 109.13	\$ 109.13	\$ 109.13	\$ 109.13
OVERHEAD (STORES)	\$ 4.27	\$ 3.44	\$ 3.67	\$ 3.66	\$ 3.55	\$ 8.29	\$ 7.39	\$ 4.95	\$ 7.88	\$ 13.84	\$ 13.84	\$ 13.84	\$ 13.84
TOTAL COST TO REPLACE FIXTURE	\$ 91.45	\$ 86.20	\$ 87.67	\$ 87.58	\$ 86.89	\$ 116.75	\$ 111.05	\$ 95.73	\$ 114.16	\$ 218.20	\$ 218.20	\$ 218.20	\$ 218.20
Lamp Life (years)	6.00	6.00	6.00	6.00	6.00	2.50	2.50	1.50	1.50	20.00	20.00	20.00	20.00
ANNUAL OPERATING & MAINTENANCE COST	\$ 15.24	\$ 14.37	\$ 14.81	\$ 14.60	\$ 14.48	\$ 46.70	\$ 44.42	\$ 63.82	\$ 76.11	\$ 10.81	\$ 10.81	\$ 10.81	\$ 10.81
Lamp Related O&M	\$ 4.49	\$ 3.81	\$ 3.86	\$ 3.84	\$ 3.72	\$ 20.88	\$ 18.60	\$ 20.80	\$ 33.08	\$ 4.36	\$ 4.36	\$ 4.36	\$ 4.36
Pole Related O&M	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 10.76	\$ 25.82	\$ 25.82	\$ 43.03	\$ 43.03	\$ 6.45	\$ 6.45	\$ 6.45	\$ 6.45
Transportation Portion of Pole Related O&M	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 3.99	\$ 3.99	\$ 6.65	\$ 6.65	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00

2019 RATE CASE
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE E
TEST YEAR ENDING 12/31/2018
SPONSOR: M. TROXLE

2018 WEIGHTED AVERAGE STREET LIGHT COST
SCHEDULE E - 120 VOLT 30' BASE PLATE TYPE FOUNDATION MOUNTED
STANDARD with TWIN 8' ARMS

ASSUMPTIONS

Overhead (Stores & Engr.)

Construction Overhead Rate = 0.1729 Applied to Sum of Material and Labor Cost
Stores Overhead Rate = 18.88% Applied only to Material Cost
Rates are based on estimated 2018 expenditure levels

Factor	Application	Factor
Transportation Costs (Truck w/ Single Bucket)		\$ 19.95
Coordination Support		\$ 7.12

Man Hours

Fixture Replacement	0.5
---------------------	-----

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE IV-J.3-A - PROOF OF REVENUE
FOR THE YEAR ENDING DECEMBER 31, 2018
STANDARD DISCRETIONARY SERVICES (RATE DCS) AND ADDITIONAL DISCRETIONARY CHARGES (RATE DC)
Sponsor: M. Troxle

ITEM NO.				DESCRIPTION		CURRENT			PROPOSED		
Current	Proposed	Tariff	Chg. No./Item	General	Specific	Price	Billing Units	Revenue	Price	Billing Units	Revenue
DCS 1.1	DCS 1.1	\$ 1.21	1	Standard Meter Move-In	Existing Standard Meter Premise with remote/disconnect connect capability	No Charge	882,663		No Charge	882,663	
		\$ 1.31		Non-Standard Meter Move-In	Non-Standard Meter (includes premises with an IDR Meter, but excluding premises with an AMS-M Meter) and premises with unrelaxed services. Includes Opt Outs. Requires dispatch of personnel to premises						
DCS 1.2	DCS 1.2	\$ 1.31	1		Self Contained Meter (new)	\$ 103.00	42	\$ 4,326	\$ 182.00	42	\$ 8,064
DCS 1.3	DCS 1.3	\$ 1.31	1		Self Contained Meter (existing)	\$ 18.00	358	\$ 5,728	\$ 144.00	358	\$ 51,552
DCS 1.4	DCS 1.4	\$ 1.31	1		Current Transformer (CT)/Other Meter (new)	\$ 343.00	20	\$ 6,860	\$ 465.00	20	\$ 9,300
DCS 1.5	DCS 1.5	\$ 1.31	1		CT/Other Meter (existing)	\$ 144.00	128	\$ 18,432	\$ 216.00	128	\$ 27,648
		\$ 1.41		AMS-M Meter Move-In	AMS-M Meter. Permits some discretionary services without dispatching personnel but lacks remote connect/disconnect capabilities.						
DCS 1.6	DCS 1.6	\$ 1.41	1		Self Contained Meter (new)	\$ 103.00	45,985	\$ 4,738,455	\$ 182.00	45,985	\$ 8,528,120
DCS 1.7	DCS 1.7	\$ 1.41	1		Self Contained Meter (existing)	\$ 18.00	10,177	\$ 183,324	\$ 144.00	10,177	\$ 1,465,488
DCS 1.8	DCS 1.8	\$ 1.41	1		CT/Other Meter (new)	\$ 343.00	961	\$ 329,823	\$ 465.00	961	\$ 446,865
DCS 1.9	DCS 1.9	\$ 1.41	1		CT/Other Meter (existing)	\$ 144.00	2,990	\$ 430,560	\$ 216.00	2,990	\$ 645,840
DCS 2.1	DCS 2.1		2	Standard Meter Move-In	New Standard Meter Premise with remote/disconnect connect capability	No Charge	152,135		No Charge	152,135	
		\$ 1.31		Non-Standard Meter Priority Move-In	Non-Standard Meter (includes premises with an IDR Meter, but excluding premises with an AMS-M Meter) and premises with unrelaxed services. Includes Opt Outs. Requires dispatch of personnel to premises.						
DCS 2.2	DCS 2.2	\$ 1.31	2		Self Contained Meter (existing)	\$ 38.00	2	\$ 72	\$ 150.00	2	\$ 300
DCS 2.3	DCS 2.3	\$ 1.31	2		CT/Other Meter (existing)	\$ 296.00	41	\$ 12,136	\$ 224.00	41	\$ 9,184
				AMS-M Meter Priority Move-In	AMS-M Meter. Permits some discretionary services without dispatching personnel but lacks remote connect/disconnect capabilities						
DCS 2.4	DCS 2.4	\$ 1.41	2		Self Contained Meter (existing)	\$ 36.00	5,604	\$ 212,544	\$ 150.00	5,604	\$ 840,600
DCS 2.5	DCS 2.5	\$ 1.41	2		CT/Other Meter (existing)	\$ 296.00	1,721	\$ 508,416	\$ 224.00	1,721	\$ 385,504
Disconnection Charges (Move-out)											
DCS 3.1	DCS 3.1	\$ 1.21	3	Standard Meter Move-out	Existing Standard Meter Premise with remote/disconnect connect capability	Charge included in the move-in charge	208,824		Charge included in the move-in charge	208,824	
		\$ 1.31	3	Non-Standard Meter Move-out	Non-Standard Meter (includes premises with an IDR Meter, but excluding premises with an AMS-M Meter) and premises with unrelaxed services. Requires dispatch of personnel to premises	Charge included in the move-in charge	0		Charge included in the move-in charge	0	
		\$ 1.41	3	AMS-M Meter Move-out	AMS-M Meter. Permits some discretionary services without dispatching personnel but lacks remote connect/disconnect capabilities	Charge included in the move-in charge	0		Charge included in the move-in charge	0	
DCS 4.1	DCS 4.1	\$ 1.21 \$ 1.31 \$ 1.41	4	Customer Requested Clearance	De-energize/re-energize Company electrical facilities on Retail Customer's Premises before/after Retail Customer or Customer's contractor engages in activity near Company's electrical facilities With 3 business days notice (Residential) With 3 business days notice (Non-Residential) With less than 3 business days notice	As Calculated As Calculated As Calculated	0 0 0	\$ \$ \$	As Calculated As Calculated As Calculated	0 0 0	\$ \$ \$

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE N-3.2-A - PROOF OF REVENUE
FOR THE YEAR ENDING DECEMBER 31, 2018
STANDARD DISCRETIONARY SERVICES (RATE DCS) AND ADDITIONAL DISCRETIONARY CHARGES (RATE DC)

Spreader: M. Travis

ITEM NO.		General		Specific		CURRENT				PROPOSED			
Current	Proposed	Chg. No./Item	Title	Chg. No./Item	Description	Price	Billing Units	Revenue		Price	Billing Units	Revenue	
DCS 5.1	DCS 5.1	5	61.21	5	Disconnect Standard Meter	No Charge	880,207	\$	13,053	No Charge	880,207	\$	16,063
DCS 5.2	DCS 5.2	5	61.21	5	Disconnect Standard Meter	No Charge	223	\$	13,053	No Charge	223	\$	16,063
DCS 5.3	DCS 5.3	5	61.21	5	Disconnect Non-Standard Meter	No Charge	4	\$	13,053	No Charge	4	\$	138
DCS 5.4	DCS 5.4	5	61.21	5	Disconnect Non-Standard Meter	No Charge	283	\$	13,053	No Charge	283	\$	29,007
DCS 5.5	DCS 5.5	5	61.21	5	Disconnect AMS-M Meter	No Charge	7,581	\$	13,053	No Charge	7,581	\$	454,860
DCS 5.6	DCS 5.6	5	61.21	5	Disconnect AMS-M Meter	No Charge	6,231	\$	13,053	No Charge	6,231	\$	618,869
DCS 6.1	DCS 6.1	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	53,177	\$	13,053	No Charge	53,177	\$	6,110
DCS 6.2	DCS 6.2	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	65	\$	13,053	No Charge	65	\$	903
DCS 6.3	DCS 6.3	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	7	\$	13,053	No Charge	7	\$	68
DCS 6.4	DCS 6.4	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	0	\$	13,053	No Charge	0	\$	0
DCS 6.5	DCS 6.5	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	2	\$	13,053	No Charge	2	\$	0
DCS 6.6	DCS 6.6	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	0	\$	13,053	No Charge	0	\$	0
DCS 6.7	DCS 6.7	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	0	\$	13,053	No Charge	0	\$	0
DCS 6.8	DCS 6.8	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	70	\$	13,053	No Charge	70	\$	7,850
DCS 6.9	DCS 6.9	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	1	\$	13,053	No Charge	1	\$	129
DCS 6.10	DCS 6.10	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	0	\$	13,053	No Charge	0	\$	0
DCS 6.11	DCS 6.11	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	5,488	\$	13,053	No Charge	5,488	\$	325,380
DCS 6.12	DCS 6.12	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	485	\$	13,053	No Charge	485	\$	44,325
DCS 6.13	DCS 6.13	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	1,053	\$	13,053	No Charge	1,053	\$	114,777
DCS 6.14	DCS 6.14	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	132	\$	13,053	No Charge	132	\$	33,792
DCS 6.15	DCS 6.15	6	61.21	6	Reconnect After DNP - Standard Meter	No Charge	0	\$	13,053	No Charge	0	\$	0
DCS 7.1	DCS 7.1	7	61.21	7	Standard Meter Co. Owned	No Charge	209	\$	10,241	No Charge	209	\$	10,032
DCS 7.2	DCS 7.2	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	10,241	No Charge	0	\$	0
DCS 7.3	DCS 7.3	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	10,241	No Charge	0	\$	0
DCS 7.4	DCS 7.4	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	10,241	No Charge	0	\$	0
DCS 7.5	DCS 7.5	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	10,241	No Charge	0	\$	0
DCS 7.6	DCS 7.6	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	10,241	No Charge	0	\$	0
DCS 7.7	DCS 7.7	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	10,241	No Charge	0	\$	0
DCS 7.8	DCS 7.8	7	61.21	7	Standard Meter Co. Owned	No Charge	2	\$	164	No Charge	2	\$	240
DCS 7.9	DCS 7.9	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	164	No Charge	0	\$	0
DCS 7.10	DCS 7.10	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	164	No Charge	0	\$	0
DCS 7.11	DCS 7.11	7	61.21	7	Standard Meter Co. Owned	No Charge	1	\$	49	No Charge	1	\$	48
DCS 7.12	DCS 7.12	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	49	No Charge	0	\$	0
DCS 7.13	DCS 7.13	7	61.21	7	Standard Meter Co. Owned	No Charge	5	\$	410	No Charge	5	\$	800
DCS 7.14	DCS 7.14	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	410	No Charge	0	\$	0
DCS 7.15	DCS 7.15	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	410	No Charge	0	\$	0
DCS 7.16	DCS 7.16	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	410	No Charge	0	\$	0
DCS 7.17	DCS 7.17	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	410	No Charge	0	\$	0
DCS 7.18	DCS 7.18	7	61.21	7	Standard Meter Co. Owned	No Charge	0	\$	410	No Charge	0	\$	0
DCS 8.1	DCS 8.1	8	61.23	8	Standard Meter Co. Owned	No Charge	0	\$	0	No Charge	0	\$	0

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE IV-J-3-A - PROOF OF REVENUE
FOR THE YEAR ENDING DECEMBER 31, 2011
STANDARD DISCRETIONARY SERVICES (RATE DCS) AND ADDITIONAL DISCRETIONARY CHARGES (RATE DC)
Sponsor: M. Troxle

ITEM NO.				DESCRIPTION		CURRENT			PROPOSED		
Current	Proposed	Tariff	Chg. No./Item	General	Specific	Price	Billing Units	Revenue	Price	Billing Units	Revenue
DCS 8.2	DCS 8.2			Re-Read Non-Standard Meter	Inaccurate meter reading	No Charge			No Charge		
DCS 8.3	DCS 8.3	6.1.3.1	8		Accurate meter reading Non-IDR	\$ 23.35	1	\$ 23	\$ 21.00	1	\$ 21
DCS 8.5	DCS 8.5	6.1.4.1	8	Standard Switch/ AMS-M Meter	Competitive Retailer Switch/ Not requested by retail customer	No Charge			No Charge		
DCS 9.1	DCS 9.1	6.1.2.1	9	Self Selected Switch/ Standard Meter	Competitive Retailer Switch on date certain	No Charge			No Charge		
DCS 9.2	DCS 9.2	6.1.3.1	9	Standard Switch, Non-Standard Meter	Competitive Retailer Switch/ Not requested by retail customer	No Charge			No Charge		
DCS 9.3	DCS 9.3	6.1.4.1	9	Self Selected Switch/ AMS-M Meter	Competitive Retailer Switch on date certain	\$ 23.35	0	\$ -	No Charge		
DCS 10.1	DCS 10.1	6.1.2.1	10		Purpose of a mass transfer	No Charge			No Charge		
DCS 10.2	DCS 10.2	6.1.3.1	10	Self Selected Switch, Non-Standard Meter	Competitive Retailer Switch on date certain	\$ 23.35	146	\$ 3,408	\$ 21.00	146	\$ 3,086
DCS 13.3	DCS 10.3	6.1.3.1	13	Non-Standard Meter	Opt. Out - Service Recurring Fee	\$ 32.80	1,436	\$ 47,101	\$ 40.00	1,436	\$ 57,440
DCS 11.1	DCS 11.1	6.1.2.1	11	Non-Standard Metering Service One Time Fee	Existing Analog Meter	\$ 91.00	0	\$ -	\$ 85.00	0	\$ -
DCS 11.2	DCS 11.2	6.1.2.1	11	Standard Meter	New Analog Meter (if available)	\$ 171.00	0	\$ -	\$ 180.00	0	\$ -
DCS 11.3	DCS 11.3	6.1.2.1	11		Digital Non-Communicating Meter	\$ 201.00	0	\$ -	\$ 200.00	0	\$ -
DCS 11.4	DCS 11.4	6.1.2.1	11		Advanced Meter with Communication disabled	\$ 174.00	0	\$ -	\$ 180.00	0	\$ -
DCS 11.5	DCS 11.5	6.1.3.1	11	Non-Standard Switch	Unable to Access Meter due to denial by retail customer	\$ 5.00	148	\$ 740	\$ 21.00	148	\$ 3,108
DCS 11.6	DCS 11.6	6.1.4.1	11	Non-Standard Metering Service One Time Fee	Existing Analog Meter	\$ 91.00	0	\$ -	\$ 85.00	0	\$ -
DCS 11.7	DCS 11.7	6.1.4.1	11	AMS-M Meter	New Analog Meter (if available)	\$ 171.00	0	\$ -	\$ 180.00	0	\$ -
DCS 11.8	DCS 11.8	6.1.4.1	11		Digital Non-Communicating Meter	\$ 201.00	0	\$ -	\$ 200.00	0	\$ -
DCS 11.9	DCS 11.9	6.1.4.1	11		Advanced Meter with Communication disabled	\$ 174.00	0	\$ -	\$ 180.00	0	\$ -
DCS 12.1	DCS 12.1	6.1.2.1 6.1.3.1 6.1.4.1	12	Service Call Charge	Business Days and All Other Times	\$ 50.00	15,484	\$ 774,200	\$ 109.00	15,484	\$ 1,687,756
DCS 13.1	DCS 13.1	6.1.2.1 6.1.3.1 6.1.4.1	13	Tampering		As Calculated	340	\$ 114,031	As Calculated	340	\$ 114,031
DCS 13.2	DCS 13.2	6.1.2.1 6.1.3.1 6.1.4.1	14	Broken Meter Seal		\$ 31.00	8,228	\$ 255,068	\$ 40.00	8,228	\$ 329,120
DCS 14.1	DCS 14.1	6.1.3.1	15	Security Light Repair		As Calculated	0	\$ -	As Calculated	0	\$ -
DCS 15.1	DCS 15.1	6.1.3.1	16	Security Light Removal		As Calculated	128	\$ 35,296	As Calculated	128	\$ 35,296
DCS 16.1	DCS 16.1	6.1.3.1 6.1.4.1	17	Street Light Removal		As Calculated	0	\$ -	As Calculated	0	\$ -
DCS 17.1	DCS 17.1	6.1.2.1 6.1.3.1 6.1.4.1	18	Inaccessible Meter Charge	Standard Non-Standard, AMS-M	\$ 55.00	0	\$ -	\$ 55.00	0	\$ -
DCS 17.2	DCS 17.2	6.1.2.1 6.1.3.1 6.1.4.1	18	Denial of Access to Company's Delivery System	Standard Non-Standard AMS-M	As Calculated	0	\$ -	As Calculated	0	\$ -

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE N-J-3-A - PROOF OF REVENUE
FOR THE YEAR ENDING DECEMBER 31, 2018
STANDARD DISCRETIONARY SERVICES (RATE DCS) AND ADDITIONAL DISCRETIONARY CHARGES (RATE DC)

Sponsor: M. Troxle

ITEM NO.		Tariff	Chg. No./Item	DESCRIPTION		CURRENT			PROPOSED		
Current	Proposed			General	Specific	Price	Billing Units	Revenue	Price	Billing Units	Revenue
		61231 61331 61431									
DC 1.1	DC 1.1		DC 1	Competitive Meter	Communication Diagnostics						
DC 1.2	DC 1.2		DC 1		Self-contained	\$ 65.00	0	\$ -	\$ 80.00	0	\$ -
					Transformer Rated	\$ 65.00	0	\$ -	\$ 80.00	0	\$ -
DC 2	DC 2		DC 2	Advanced Billing Meter Installation		\$204, plus incremental cost between a standard meter and the advanced meter, plus additional charges for services related to advanced capabilities	0	\$ -	\$232, plus incremental cost between a standard meter and the advanced meter, plus additional charges for services related to advanced capabilities	0	\$ -
DC 3	DC 3		DC 3	Advanced Non-Billing Meter Installation		\$204, plus the additional charges for services related to advanced capabilities	0	\$ -	\$232, plus the additional charges for services related to advanced capabilities	0	\$ -
DC 4	DC 4		DC 4	Pulse Metering Equipment- Installation	No current pulse meter exists	\$ 219.00	0	\$ -	\$ 290.00	0	\$ -
DC 4	DC 4		DC 4		One Relay	\$ 302.00	0	\$ -	\$ 392.00	0	\$ -
DC 4	DC 4		DC 4		Two Relays	\$ 428.00	0	\$ -	\$ 584.00	0	\$ -
DC 4	DC 4		DC 4		Three Relays	\$ 590.00	0	\$ -	\$ 746.00	0	\$ -
DC 5	DC 5		DC 5	Pulse Metering Equipment- Replacement	One Relay	\$ 228.00	0	\$ -	\$ 278.00	0	\$ -
DC 5	DC 5		DC 5		One Pulse Meter	\$ 179.00	0	\$ -	\$ 224.00	0	\$ -
DC 5	DC 5		DC 5		One Relay and One Pulse Meter	\$ 341.00	0	\$ -	\$ 425.00	0	\$ -
DC 5	DC 5		DC 5		Additional Relays - Same Trip	\$ 160.00	0	\$ -	\$ 199.00	0	\$ -
DC 5	DC 5		DC 5		Fuses	\$ 52.00	0	\$ -	\$ 61.00	0	\$ -
DC 5	DC 5		DC 5		Problem with Customer's Equipment	\$ 52.00	0	\$ -	\$ 61.00	0	\$ -
DC 6	DC 6.1		DC 6	Competitive Meter - Non-Standard Programming	Self-contained (field prog.)	\$ 73.00	0	\$ -	\$ 103.00	0	\$ -
DC 6	DC 6.1		DC 6		Self-contained (shop prog.)	\$ 46.00	0	\$ -	\$ 59.00	0	\$ -
DC 6	DC 6.1		DC 6		Transformer rated (field prog.)	\$ 73.00	0	\$ -	\$ 103.00	0	\$ -
DC 6	DC 6.1		DC 6		Transformer rated (shop prog.)	\$ 46.00	0	\$ -	\$ 59.00	0	\$ -
DC 7	DC 7		DC 7	URD By-Pass Cable Installation Charge		\$ 261.00	2,117	\$ 552,537	\$ 476.00	2,117	\$ 1,007,692
DC 7.1	DC 7.1		DC 7.1	Unmetered Service Attachments					As Calculated	0	\$ -
DC 8	DC 8		DC 8	Returned Check		\$ 10.50	0	\$ -	\$ 10.50	0	\$ -
DC 9	DC 9		DC 9	Voltage Monitoring	No problem with Company's equipment	\$ 954.00	0	\$ -	\$ 1,392.00	0	\$ -
DC 10	DC 10		DC 10	Damage to Company Facilities	Proposed Addition to Other Charges	As Calculated	0	\$ -	As Calculated	0	\$ -
DC 11	DC 11		DC 11	Adverse Effects and Improper Power Factor	Proposed Addition to Other Charges	As Calculated	0	\$ -	As Calculated	0	\$ -
DC 12	DC 12		DC 12	Provision of Retail Customer Data	Proposed Addition to Other Charges	As Calculated	0	\$ -	As Calculated	0	\$ -
DC 13	DC 13		DC 13	Customer Required Upgrade to Delivery System	Proposed Addition to Other Charges	As Calculated	0	\$ -	As Calculated	0	\$ -
DC 14	DC 14		DC 14	Temporary Service Connection	Within two business days of request date	\$ 204.00	16,200	\$ 3,304,800	\$ 354.00	16,200	\$ 5,734,800
DC 15	DC 15		DC 15	Disconnect for Inaccessibility to Company Metering	Proposed Addition to Other Charges						
					At Meter	\$ 33.00	0	\$ -	\$ 59.00	0	\$ -
					At Premium Location	\$ 61.00	4	\$ 244	\$ 100.00	4	\$ 400
DC 16	DC 16		DC 16	Miscellaneous - Retail Customer Caused Charges	Proposed Addition to Other Charges	As Calculated	0	\$ -	As Calculated	0	\$ -
DC 17	DC 17		DC 17	Miscellaneous - Other Charges	Other	As Calculated	1,415	\$ 44,043	As Calculated	1,415	\$ 44,043

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
SCHEDULE IV-J-3-A - PROOF OF REVENUE
FOR THE YEAR ENDING DECEMBER 31, 2018
STANDARD DISCRETIONARY SERVICES (RATE DC\$) AND ADDITIONAL DISCRETIONARY CHARGES (RATE DC)

Sponsor: M. Trexle

ITEM NO				DESCRIPTION		CURRENT			PROPOSED			
Current	Proposed	Tariff	Chg No./Item	General	Specific	Price	Billing Units	Revenue	Price	Billing Units	Revenue	
DC 18	DC 18		DC 18	Distributed Generation Meter Installation Charge		As Calculated	0	\$ -	As Calculated	0	\$ -	
DC 19	DC 19		DC 19	Transmission Scheduling Outage Charges	Scheduling outages of Transmission Elements with ERCOT's Outage Scheduler	As Calculated	0	\$ -	As Calculated	0	\$ -	
6.1.2.2 Construction Services Policy	DC 20		DC 20	Competitive Metering Installation and Removal	Competitive Meter Remove/Install							
					Self-Contained Meter	\$ 76.00			\$ 83.00			
					Transformer Rated Meter	\$ 119.00			\$ 143.00			
	DC 20.1		DC 20		Competitive Meter Physical Access Equipment Install							
					Performed During Initial Meter Install	\$ 39.00			\$ 73.00			
					Performed After Initial Install	\$ 77.00			\$ 90.00			
TOTAL REVENUE:							2,312,843	\$ 12,411,729		2,312,843	\$ 12,493,676	

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Cost Category Input for Discretionary Charges
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

<u>Labor Rates:</u>		<u>Per Hour</u>	<u>Per Event</u>	
<u>Field Service Representative (FSR) / Non-Craft:</u>				
Strait Time	\$	26.43	x	
Time-and-a-half	\$	39.65	x	
Double Time	\$	52.86	x	
Burden	\$	10.35	x	39%
<u>T&D Craft Labor:</u>				
Strait Time	\$	82.24	x	Head Journeyman and 4th 6 months Apprentice: \$45.61 and \$36.63
Time-and-a-half	\$	123.36	x	
Double Time	\$	164.48	x	
Burden	\$	32.20	x	39%
Engineer	\$	50.38		Voltage Monitoring
Metering 1	\$	42.34		
Burden	\$	16.58		39%
Contractor	\$	92.62	x	Remove Street light OH / no concrete
Contractor	\$	188.44	x	Remove Street light UG / no concrete
Contractor	\$	435.14	x	Remove Street light UG / WITH concrete
Dispatching	\$	0.89	x	Dispatching expenditures / Total number of billing units
Administrative	\$	-	x	
<u>Transportation:</u>	\$	2.51	x	

1 Ton Truck	\$	4.37	x
1/2 Ton Truck	\$	2.49	x

Component Cost of Metering Equipment:

Type of Meter:	SAP #	Description	Quantity	Unit Cost	Total	Incl Tax
KWH Only		Sta-Kons	11	0.32	3.52	
		Cable	3	0.45	1.35	
		Chase Nipple 1/2"	1	1.56	1.56	
		Locknut 1/2"	1	0.05	0.05	
	109451	Brass Screws	2	0.15	0.30	
	109407	Brass Nuts	2	0.07	0.14	
	110580	Brass Washers	2	0.13	0.26	
	225622	J-Box	1	83.41	<u>83.41</u>	
		Total Cost			90.59	\$ 98.06
KWH & KVARH		Sta-Kons	22	0.32	7.04	
		Cable	6	0.45	2.70	
		Chase Nipple 1/2"	1	1.56	1.56	
		Locknut 1/2"	1	0.05	0.05	
	109451	Brass Screws	4	0.15	0.60	
	109407	Brass Nuts	4	0.07	0.28	
	110580	Brass Washers	4	0.13	0.52	
	225622	J-Box	1	83.41	<u>83.41</u>	
		Total Cost			96.16	\$ 104.09
KWH, KVARH & TIME		Sta-Kons	30	0.32	9.60	
		Cable	6	0.45	2.70	
		Chase Nipple 1/2"	1	1.56	1.56	
		Locknut 1/2"	1	0.05	0.05	
	109451	Brass Screws	6	0.15	0.90	
	109407	Brass Nuts	6	0.07	0.42	
	110580	Brass Washers	6	0.13	0.78	
	225622	J-Box	1	83.41	<u>83.41</u>	
		Total Cost			99.42	\$ 107.62

WP - Discretionary Services - Current and Proposed Calculations
8 of 115

Meter Replacement Cost		\$	11.50	
Pulse Relay		\$	169.64	
Time Relay		\$	143.44	
Meter Cost Difference		\$	54.12	
J box plus install		\$	51.70	
CNP provided J box and connectors		\$	12.00	Competitive
Overhead for Stores:	18.879% Percent of Material Cost			

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard Meter Move-Out - Self Contained Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This service discontinues Delivery at Retail Customer's Point of Delivery. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Charge applicable to requests to discontinue service on a move-out is included in the move-in charge.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor	\$ 82.24			0.6	\$ 49.34
2	Labor Burden	\$ 32.20			0.6	\$ 19.32
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.6	\$ 2.62
6	Sub-Total					<u>\$ 72.17</u>
7	Proposed Charge					<u>\$ 72.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard Meter Move-Out- CT / Other Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This service discontinues Delivery at Retail Customer's Point of Delivery. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.
Charge applicable to requests to discontinue service on a move-out is included in the move-in charge.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor	\$ 82.24			0.9	\$ 74.02
2	Labor Burden	\$ 32.20			0.9	\$ 28.98
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.9	\$ 3.93
6	Sub-Total					<u>\$ 107.82</u>
7	Proposed Charge					<u><u>\$ 108.00</u></u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M Meter Move-Out - Self Contained Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This service discontinues Delivery at Retail Customer's Point of Delivery. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Charge applicable to requests to discontinue service on a move-out is included in the move-in charge.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor	\$ 82.24			0.6	\$ 49.34
2	Labor Burden	\$ 32.20			0.6	\$ 19.32
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.6	\$ 2.62
6	Sub-Total					\$ 72.17
7	Proposed Charge					<u>\$ 72.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M Meter Move-Out- CT / Other Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This service discontinues Delivery at Retail Customer's Point of Delivery. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Charge applicable to requests to discontinue service on a move-out is included in the move-in charge.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor	\$ 82.24			0.9	\$ 74.02
2	Labor Burden	\$ 32.20			0.9	\$ 28.98
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.9	\$ 3.93
6	Sub-Total					<u>\$ 107.82</u>
7	Proposed Charge					<u><u>\$ 108.00</u></u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard Meter Move-In - Self Contained Meter (New)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new Non-Standard Meter appears in Section 6.1.3.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			1.0	\$ 82.24
2	Labor Burden	\$ 32.20			1.0	\$ 32.20
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			1.0	\$ 4.37
6	Sub-Total					\$ 119.70
7	Move-out					\$ 72.00
8	Total					\$ 191.70
9	Proposed Charge					<u>\$ 192.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard Meter Move-In - Self Contained Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new Non-Standard Meter appears in Section 6.1.3.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor	\$ 82.24			0.6	\$ 49.34
2	Labor Burden	\$ 32.20			0.6	\$ 19.32
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.6	\$ 2.62
6	Sub-Total					\$ 72.17
7	Move-out					\$ 72.00
8	Total					\$ 144.17
9	Proposed Charge					\$ 144.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard Meter Move-In - CT / Other Meter (new)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new Non-Standard Meter appears in Section 6.1.3.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			3.0	\$ 246.72
2	Labor Burden	\$ 32.20			3.0	\$ 96.59
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			3.0	\$ 13.11
6	<u>Sub-Total</u>					<u>\$ 357.31</u>
7	Move-out					<u>\$ 108.00</u>
8	Total					<u>\$ 465.31</u>
9	Proposed Charge					<u>\$ 465.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard Meter Move-In - CT / Other Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new Non-Standard Meter appears in Section 6.1.3.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			0.9	\$ 74.02
2	Labor Burden	\$ 32.20			0.9	\$ 28.98
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.9	\$ 3.93
6	Sub-Total					\$ 107.82
7	Move-out					\$ 108.00
8	Total					\$ 215.82
9	Proposed Charge					<u>\$ 216.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M Meter Move-In - Self Contained Meter (New)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new AMS-M Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost	
		Per Hr	Per Event				
	<u>T&D</u>						
1	Labor	\$ 82.24			1.0	\$	82.24
2	Labor Burden	\$ 32.20			1.0	\$	32.20
3	Dispatch Cost		\$ 0.89	1.0		\$	0.89
4	Administrative Cost		\$ -	1.0		\$	-
5	Transportation expenses	\$ 4.37			1.0	\$	4.37
6	Sub-Total					\$	119.70
7	Move-out					\$	72.00
8	Total					\$	191.70
9	Proposed Charge					\$	192.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M Meter Move-In - Self Contained Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new AMS-M Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			0.6	\$ 49.34
2	Labor Burden	\$ 32.20			0.6	\$ 19.32
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.6	\$ 2.62
6	Sub-Total					\$ 72.17
7	Move-out					\$ 72.00
8	Total					\$ 144.17
9	Proposed Charge					<u>\$ 144.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M Meter Move-In - CT / Other Meter (new)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new AMS-M Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor	\$ 82.24			3.0	\$ 246.72
2	Labor Burden	\$ 32.20			3.0	\$ 96.59
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			3.0	\$ 13.11
6	<u>Sub-Total</u>					<u>\$ 357.31</u>
7	Move-out					\$ 108.00
8	Total					\$ 465.31
9	Proposed Charge					<u>\$ 465.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M Meter Move-In - CT / Other Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR:

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new AMS-M Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			0.9	\$ 74.02
2	Labor Burden	\$ 32.20			0.9	\$ 28.98
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.9	\$ 3.93
6	Sub-Total					\$ 107.82
7	Move-out					\$ 108.00
8	Total					\$ 215.82
9	Proposed Charge					\$ 216.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Priority Non-Standard Meter Move-In - Self-Contained Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new Non-Standard Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor (Time and a half) ¹	\$ 123.36			0.6	\$ 74.02
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			0.6	\$ 2.62
5	Sub-Total					\$ 77.53
6	Move-out					\$ 72.00
7	Total					\$ 149.53
8	Proposed Charge					\$ 150.00

¹Note: Priority order takes the service man out-of-route. Impact increases serviceman's work schedule by 1 hour at an overtime rate.

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Priority Non-Standard Meter Move-In - CT / Other Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new Non-Standard Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Time-and-a-half) ¹	\$ 123.36			0.9	\$ 111.02
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			0.9	\$ 3.93
5	Sub-Total					\$ 115.84
6	Move-out					\$ 108.00
7	Total					\$ 223.84
8	Proposed Charge					\$ 224.00

¹Note: Priority order takes the service men out-of-route. Impact increases serviceman's work schedule by displacing assigned work to an overtime rate.

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Priority AMS-M Meter Move-In - Self-Contained Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new AMS-M Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor (Time and a half) ¹	\$ 123.36			0.6	\$ 74.02
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			0.6	\$ 2.62
5	Sub-Total					\$ 77.53
6	Move-out					\$ 72.00
7	Total					\$ 149.53
8	Proposed Charge					\$ 150.00

¹Note: Priority order takes the service man out out-of-route. Impact increases fieldsman's work schedule by 1 hour at an overtime rate.

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Priority AMS-M Meter Move-In - CT / Other Meter (existing)
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

This charge is for service to initiate Delivery to Retail Customer's Point of Delivery. It is not available if inspections, permits, or construction (other than installation of the Meter) is required and not completed. Construction Service Charges relating to the cost and installation of a new AMS-M Meter appears in Section 6.1.4.2, CONSTRUCTION SERVICE CHARGES. Company shall complete performance of the service on the requested date, provided: (1) the requested date is a Business Day; (2) Company receives the order by 5:00PM CPT on a Business Day; and (3) the order is received at least two Business Days prior to the requested date. If the requested date is not a Business Day, Company shall treat Business Day as the requested date. Company may treat an order received after 5:00PM CPT on a Business Day, or on a day that is not a Business Day, as received by 5:00PM CPT on the next Business Day. If the order is received by Company less than two Business Days prior to the requested date, Company shall complete performance of the service within two Business Days after the order is received.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Time-and-a-half) ¹	\$ 123.36			0.9	\$ 111.02
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			0.9	\$ 3.93
5	Sub-Total					\$ 115.84
6	Move-out					\$ 108.00
7	Total					\$ 223.84
8	Proposed Charge					<u>\$ 224.00</u>

¹Note: Priority order takes the servicemen out-of-route. Impact increases serviceman's work schedule by displacing assigned work to an overtime rate.

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Disconnect for Non-Pay (DNP) - At the Meter - Standard - Premium Location
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests from Competitive Retailer to de-energize service to Retail Customer due to Retail Customer's failure to pay charges billed by its Competitive Retailer or Company.

If the DNP is requested by the Competitive Retailer, the request shall be completed within three Business Days of the requested date provided Company receives the request at least two Business Days prior to the requested date. Notices received after 5:00 PM CPT, or on a day that is not a Business Day, will be considered received on the next Business Day. Company shall not disconnect a premise before the requested date.

If the DNP is performed by Company due to Retail Customer's non-payment of a charge billed directly by Company to the Retail Customer, or because the Retail Customer has not fulfilled its obligations under a contract entered into between Company and the Retail Customer, these charges shall not be billed to the Competitive Retailer.

NOTE: Company shall not disconnect service to a residential customer on the business day immediately preceding a holiday.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D (Disconnect at Pole or Transformer)</u>					
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
7	Total					\$ 90.00

<u>T&D (Disconnect CT meter)</u>						
8	Labor	\$ 82.24			0.6	\$ 49.34
9	Labor Burden	\$ 32.20			0.6	\$ 19.32
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			0.6	\$ 2.62
14	Total					<u>\$ 72.17</u>
<u>T&D (Blended Rate - Using average time)</u>						
15	Labor	\$ 82.24			0.675	\$ 55.51
16	Labor Burden	\$ 32.20			0.675	\$ 21.73
17	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
18	Administrative Cost		\$ -	1.0		\$ -
19	Transportation expenses	\$ 4.37			0.675	\$ 2.95
21	Total					<u>\$ 81.08</u>
22	Total Blended Rate					<u>\$ 81.08</u>
23	Proposed Charge					<u><u>\$ 81.00</u></u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Disconnect for Non-Pay (DNP) - At the Meter Non-Standard
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests from Competitive Retailer to de-energize service to Retail Customer due to Retail Customer's failure to pay charges billed by its Competitive Retailer or Company.

If the DNP is requested by the Competitive Retailer, the request shall be completed within three Business Days of the requested date provided Company receives the request at least two Business Days prior to the requested date. Notices received after 5:00 PM CPT, or on a day that is not a Business Day, will be considered received on the next Business Day. Company shall not disconnect a premise before the requested date.

If the DNP is performed by Company due to Retail Customer's non-payment of a charge billed directly by Company to the Retail Customer, or because the Retail Customer has not fulfilled its obligations under a contract entered into between Company and the Retail Customer, these charges shall not be billed to the Competitive Retailer.

NOTE: Company shall not disconnect service to a residential customer on the business day immediately preceding a holiday.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>FSR</u>					
1	Labor	\$ 26.43			0.19	\$ 5.02
2	Labor Burden	\$ 10.35			0.19	\$ 1.97
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 2.51			0.19	\$ 0.48
7	Sub-Total					\$ 8.36
	<u>T&D</u>					

WP - Discretionary Services - Current and Proposed Calculations
32 of 115

8	Labor	\$	82.24			0.5	\$	41.12
9	Labor Burden	\$	32.20			0.5	\$	16.10
10	Dispatch Cost			\$	0.89	1.0	\$	0.89
11	Administrative Cost			\$	-	1.0	\$	-
12	Transportation expenses	\$	2.51			0.5	\$	1.25
14	Sub-Total						\$	59.36
<hr/>								
	<u>Blended Cost:</u>							
15	2018 FSR DNP's		2	50%	\$	8.36	\$	4.18
16	2018 T&D DNP's		2	50%	\$	59.36	\$	29.68
17	Total		<u>4</u>	<u>100%</u>			\$	33.86
18	Proposed Charge						\$	<u>34.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Disconnect for Non-Pay (DNP) - At the Meter - Non-Standard - Premium Location
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests from Competitive Retailer to de-energize service to Retail Customer due to Retail Customer's failure to pay charges billed by its Competitive Retailer or Company.

If the DNP is requested by the Competitive Retailer, the request shall be completed within three Business Days of the requested date provided Company receives the request at least two Business Days prior to the requested date. Notices received after 5:00 PM CPT, or on a day that is not a Business Day, will be considered received on the next Business Day. Company shall not disconnect a premise before the requested date.

If the DNP is performed by Company due to Retail Customer's non-payment of a charge billed directly by Company to the Retail Customer, or because the Retail Customer has not fulfilled its obligations under a contract entered into between Company and the Retail Customer, these charges shall not be billed to the Competitive Retailer.

NOTE: Company shall not disconnect service to a residential customer on the business day immediately preceding a holiday.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D (Disconnect at Pole or Transformer)</u>					
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
7	Total					\$ 90.00

<u>T&D (Disconnect CT meter)</u>							
8	Labor	\$ 82.24			0.9	\$	74.02
9	Labor Burden	\$ 32.20			0.9	\$	28.98
10	Dispatch Cost		\$ 0.89	1.0		\$	0.89
11	Administrative Cost		\$ -	1.0		\$	-
12	Transportation expenses	\$ 4.37			0.9	\$	3.93
14	Total					\$	107.82
<hr/>							
<u>T&D (Blended Rate - Using average time)</u>							
15	Labor	\$ 82.24			0.825	\$	67.85
16	Labor Burden	\$ 32.20			0.825	\$	26.56
17	Dispatch Cost		\$ 0.89	1.0		\$	0.89
18	Administrative Cost		\$ -	1.0		\$	-
19	Transportation expenses	\$ 4.37			0.825	\$	3.61
20	Material					\$	0.09
21	Total					\$	99.00
22	Total Blended Rate					\$	99.00
23	Proposed Charge					\$	99.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Disconnect for Non-Pay (DNP) - At the Meter AMS-M
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests from Competitive Retailer to de-energize service to Retail Customer due to Retail Customer's failure to pay charges billed by its Competitive Retailer or Company.

If the DNP is requested by the Competitive Retailer, the request shall be completed within three Business Days of the requested date provided Company receives the request at least two Business Days prior to the requested date. Notices received after 5:00 PM CPT, or on a day that is not a Business Day, will be considered received on the next Business Day. Company shall not disconnect a premise before the requested date.

If the DNP is performed by Company due to Retail Customer's non-payment of a charge billed directly by Company to the Retail Customer, or because the Retail Customer has not fulfilled its obligations under a contract entered into between Company and the Retail Customer, these charges shall not be billed to the Competitive Retailer.

NOTE: Company shall not disconnect service to a residential customer on the business day immediately preceding a holiday.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			0.5	\$ 41.12
2	Labor Burden	\$ 32.20			0.5	\$ 16.10
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.5	\$ 2.19
6	Sub-Total					\$ 60.30
7	Total					\$ 60.30

8 **Proposed Charge**

\$ 60.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Disconnect for Non-Pay (DNP) - At the Meter - AMS-M - Premium Location
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests from Competitive Retailer to de-energize service to Retail Customer due to Retail Customer's failure to pay charges billed by its Competitive Retailer or Company.

If the DNP is requested by the Competitive Retailer, the request shall be completed within three Business Days of the requested date provided Company receives the request at least two Business Days prior to the requested date. Notices received after 5:00 PM CPT, or on a day that is not a Business Day, will be considered received on the next Business Day. Company shall not disconnect a premise before the requested date.

If the DNP is performed by Company due to Retail Customer's non-payment of a charge billed directly by Company to the Retail Customer, or because the Retail Customer has not fulfilled its obligations under a contract entered into between Company and the Retail Customer, these charges shall not be billed to the Competitive Retailer.

NOTE: Company shall not disconnect service to a residential customer on the business day immediately preceding a holiday.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D (Disconnect at Pole or Transformer)</u>					
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
7	Total					\$ 90.00

<u>T&D (Disconnect CT meter)</u>						
8	Labor	\$ 82.24			0.9	\$ 74.02
9	Labor Burden	\$ 32.20			0.9	\$ 28.98
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			0.9	\$ 3.93
14	Total					<u>\$ 107.82</u>
<hr/>						
<u>T&D (Blended Rate - Using average time)</u>						
15	Labor	\$ 82.24			0.825	\$ 67.85
16	Labor Burden	\$ 32.20			0.825	\$ 26.56
17	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
18	Administrative Cost		\$ -	1.0		\$ -
19	Transportation expenses	\$ 4.37			0.825	\$ 3.61
21	Total					<u>\$ 98.91</u>
22	Total Blended Rate					\$ 98.91
23	Proposed Charge					<u><u>\$ 99.00</u></u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP - At Meter - Standard - Premium Location
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Standard Reconnect

Standard reconnect requests received by Company prior to 2:00 P.M. CPT on a Business Day shall be reconnected that day. Standard reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected that day if possible, but no later than the close of Company's next field operational day. Standard reconnection requests received by Company after 5:00 PM CPT or on a day that is not a Business Day shall be considered received on the next Business Day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D (Regular Work Day)</u>					
1	Labor	\$ 82.24			0.5	\$ 41.12
2	Labor Burden	\$ 32.20			0.5	\$ 16.10
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.5	\$ 2.19
6	Sub-Total					\$ 60.30
7	<u>T&D (Saturday)</u>					
8	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
9	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
10	Administrative Cost		\$ -	1.0		\$ -
11	Transportation expenses	\$ 4.37			1.0	\$ 4.37
12	Sub-Total					\$ 128.62
13	Total Average Cost					\$ 94.46
14	Proposed Charge					\$ 94.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - Standard - Same Day Or Non-Holiday Weekend
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
5	Sub-Total					\$ 128.62
6	Total					\$ 128.62
7	Proposed Charge					\$ 129.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - Standard - Holiday
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor (Double Time)	\$ 164.48			1.0	\$ 164.48
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
5	Sub-Total					\$ 169.74
6	Total					\$ 169.74
7	Proposed Charge					<u>\$ 170.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP - At Meter - Non-Standard
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Standard Reconnect

Standard reconnect requests received by Company prior to 2:00 P.M. CPT on a Business Day shall be reconnected that day. Standard reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected that day if possible, but no later than the close of Company's next field operational day. Standard reconnection requests received by Company after 5:00 PM CPT or on a day that is not a Business Day shall be considered received on the next Business Day.

Line No.	Type of Cost	Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>FSR</u>						
1	Labor	\$ 26.43			0.19	\$ 5.02
2	Labor Burden	\$ 10.35			0.19	\$ 1.97
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 2.51			0.19	\$ 0.48
7	Sub-Total					\$ 8.36
<u>T&D</u>						
8	Labor	\$ 82.24			0.5	\$ 41.12
9	Labor Burden	\$ 32.20			0.5	\$ 16.10
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -

12	Transportation expenses	\$	2.51			0.5	\$	1.25
14	Sub-Total						\$	59.36
<hr/>								
	<u>Blended Cost:</u>							
15	2018 FSR DNPs		1	50%	\$	8.36	\$	4.18
16	2018 T&D DNPs		1	50%	\$	59.36	\$	29.68
17	Total		<u>2</u>	<u>100%</u>			\$	33.86
18	Proposed Charge						\$	<u>34.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - Non-Standard - Same Day Or Non-Holiday Weekend
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>FSR</u>					
1	Labor (Time and a half)	\$ 39.65			1.0	\$ 39.65
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 2.51			1.0	\$ 2.51
7	Sub-Total					\$ 43.05
	<u>T&D</u>					
8	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
9	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
10	Administrative Cost		\$ -	1.0		\$ -

11	Transportation expenses	\$	2.51		1.0	\$	2.51	
13	Sub-Total					\$	126.76	
<u>Blended Cost:</u>								
14	2018 FSR Reconnects		1	50%	\$	43.05	\$	21.53
15	2018 T&D Reconnects		<u>1</u>	<u>50%</u>	\$	<u>126.76</u>	\$	<u>63.38</u>
16	Total		2	100%		\$	84.91	\$ 84.91
17	Proposed Charge						<u>\$</u>	<u>85.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - Non-Standard - Holiday
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor (Double Time)	\$ 164.48			1.0	\$ 164.48
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
5	<u>Sub-Total</u>					<u>\$ 169.74</u>
6	Total					\$ 169.74
7	Proposed Charge					<u><u>\$ 170.00</u></u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP - At Meter - Non-Standard - Premium Location
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Standard Reconnect

Standard reconnect requests received by Company prior to 2:00 P.M. CPT on a Business Day shall be reconnected that day. Standard reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected that day if possible, but no later than the close of Company's next field operational day. Standard reconnection requests received by Company after 5:00 PM CPT or on a day that is not a Business Day shall be considered received on the next Business Day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D (Regular Work Day)</u>						
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Sub-Total					\$ 90.00
<u>T&D (Saturday)</u>						
8	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
9	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
10	Administrative Cost		\$ -	1.0		\$ -
11	Transportation expenses	\$ 4.37			1.0	\$ 4.37
12	Sub-Total					\$ 128.62

13	Total Average Cost	\$	109.31
14	Proposed Charge	<u>\$</u>	<u>109.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Premium Reconnect After DNP At Meter - Non-Standard - Same Day Or Non-Holiday Weekend
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
5	Sub-Total					\$ 128.62
6	Total					\$ 128.62
7	Proposed Charge					\$ 129.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Premium Reconnect After DNP At Meter - Non-Standard - Holiday
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor (Double Time)	\$ 164.48			1.0	\$ 164.48
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
5	Sub-Total					\$ 169.74
6	Total					\$ 169.74
7	Proposed Charge					<u>\$ 170.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP - At Meter - AMS-M Meter
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Standard Reconnect

Standard reconnect requests received by Company prior to 2:00 P.M. CPT on a Business Day shall be reconnected that day. Standard reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected that day if possible, but no later than the close of Company's next field operational day. Standard reconnection requests received by Company after 5:00 PM CPT or on a day that is not a Business Day shall be considered received on the next Business Day.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
	<u>T&D</u>					
1	Labor	\$ 82.24			0.5	\$ 41.12
2	Labor Burden	\$ 32.20			0.5	\$ 16.10
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.5	\$ 2.19
6	Sub-Total					\$ 60.30
7	Total					\$ 60.30
8	Proposed Charge					\$ 60.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - AMS-M - Same Day Or Non-Holiday Weekend
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
5	Material					\$ 0.09
6	Sub-Total					\$ 128.71
7	Total					\$ 128.71
8	Proposed Charge					\$ 129.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - AMS-M Meter - Holiday
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Double Time)	\$ 164.48			1.0	\$ 164.48
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			1.0	\$ 4.37
	Material					\$ 0.09
5	Sub-Total					\$ 169.83
6	Total					\$ 169.83
7	Proposed Charge					<u>\$ 170.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP - At Meter - AMS-M - Premium Location
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Standard Reconnect

Standard reconnect requests received by Company prior to 2:00 P.M. CPT on a Business Day shall be reconnected that day. Standard reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected that day if possible, but no later than the close of Company's next field operational day. Standard reconnection requests received by Company after 5:00 PM CPT or on a day that is not a Business Day shall be considered received on the next Business Day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D (Regular Work Day)</u>					
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Sub-Total					\$ 90.00
7	<u>T&D (Saturday)</u>					
8	Labor (Time and a half)	\$ 123.36			1.0	\$ 123.36
9	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
10	Administrative Cost		\$ -	1.0		\$ -
11	Transportation expenses	\$ 4.37			1.0	\$ 4.37
12	Sub-Total					\$ 128.62

13	Total Average Cost	\$ 109.31
14	Proposed Charge	<u><u>\$ 109.00</u></u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - AMS-M - Same Day Or Non-Holiday Weekend
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Time and a half)	\$ 123.36			2.0	\$ 246.72
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			2.0	\$ 8.74
5	Sub-Total					\$ 256.35
6	Total					\$ 256.35
7	Proposed Charge					<u>\$ 256.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Reconnect After DNP At Meter - AMS-M - Holiday
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to requests to re-energize service to Retail Customer after Retail Customer has been disconnected for non-payment. Company shall complete reconnection no later than 48 hours from the time the request is received. However, if this requirement results in the reconnection being performed on a day that is not a Business Day, an additional charge for non-Business Day connection will also apply.

Same Day Reconnect:

Same day reconnect requests received by Company prior to 5:00 PM CPT on a Business Day shall be reconnected no later than the close of Company's field operational day.

Line No.	Type of Cost	Cost		No of Events	No of Hours	Total Cost
		Per Hr	Per Event			
	<u>T&D</u>					
1	Labor (Double Time)	\$ 164.48			2.0	\$ 328.96
2	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
3	Administrative Cost		\$ -	1.0		\$ -
4	Transportation expenses	\$ 4.37			2.0	\$ 8.74
5	Sub-Total					\$ 338.59
6	Total					\$ 338.59
7	Proposed Charge					\$ 339.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Standard: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 42.34			0.75	\$ 31.76
2	Labor Burden	\$ 16.58			0.75	\$ 12.43
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 48.36</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u>\$ 48.00</u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			1.0	\$ 82.24
9	Labor Burden	\$ 32.20			1.0	\$ 32.20
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			1.0	\$ 4.37

13	Total							\$	119.70
14	Proposed Charge - CT-or Other Company Owned Meter							\$	120.00
	<u>T&D - Competitive Meter</u>								
15	Labor	\$	82.24				1.25	\$	102.80
16	Labor Burden	\$	32.20				1.25	\$	40.25
17	Dispatch Cost			\$	0.89	1.0		\$	0.89
18	Administrative Cost			\$	-	1.0		\$	-
19	Transportation expenses	\$	4.37				1.25	\$	5.46
20	Total							\$	149.40
21	Proposed Charge - Competitive Meter							\$	149.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Standard: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 90.00</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u>\$ 90.00</u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			0.75	\$ 61.68
9	Labor Burden	\$ 32.20			0.75	\$ 24.15
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			0.75	\$ 3.28

13	Total								\$	90.00
14	Proposed Charge - CT or Other Company Owned Meter								\$	90.00
	<u>T&D - Competitive Meter</u>									
15	Labor	\$	82.24				1.25	\$	102.80	
16	Labor Burden	\$	32.20				1.25	\$	40.25	
17	Dispatch Cost			\$	0.89	1.0		\$	0.89	
18	Administrative Cost			\$	-	1.0		\$	-	
19	Transportation expenses	\$	4.37				1.25	\$	5.46	
20	Total							\$	149.40	
21	Proposed Charge - Competitive Meter							\$	149.00	

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 42.34			0.75	\$ 31.76
2	Labor Burden	\$ 16.58			0.75	\$ 12.43
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 48.36</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u><u>\$ 48.00</u></u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			1.0	\$ 82.24
9	Labor Burden	\$ 32.20			1.0	\$ 32.20
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			1.0	\$ 4.37

13	Total						\$	119.70
14	Proposed Charge - CT or Other Company Owned Meter						\$	120.00
	<u>T&D - Competitive Meter</u>							
15	Labor	\$	82.24			1.25	\$	102.80
16	Labor Burden	\$	32.20			1.25	\$	40.25
17	Dispatch Cost			\$	0.89	1.0	\$	0.89
18	Administrative Cost			\$	-	1.0	\$	-
19	Transportation expenses	\$	4.37			1.25	\$	5.46
20	Total						\$	149.40
21	Proposed Charge - Competitive Meter						\$	149.00

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 42.34			0.75	\$ 31.76
2	Labor Burden	\$ 16.58			0.75	\$ 12.43
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 48.36</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u>\$ 48.00</u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			1.0	\$ 82.24
9	Labor Burden	\$ 32.20			1.0	\$ 32.20
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			1.0	\$ 4.37

13	Total					\$ 119.70
14	Proposed Charge - CT or Other Company Owned Meter					<u>\$ 120.00</u>
	T&D - Competitive Meter					
15	Labor	\$ 82.24			1.25	\$ 102.80
16	Labor Burden	\$ 32.20			1.25	\$ 40.25
17	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
18	Administrative Cost		\$ -	1.0		\$ -
19	Transportation expenses	\$ 4.37			1.25	\$ 5.46
20	Total					<u>\$ 149.40</u>
21	Proposed Charge - Competitive Meter					<u>\$ 149.00</u>

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
Non-Standard: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 82.24			0.75	\$ 61.68
2	Labor Burden	\$ 32.20			0.75	\$ 24.15
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 90.00</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u>\$ 90.00</u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			1.25	\$ 102.80
9	Labor Burden	\$ 32.20			1.25	\$ 40.25
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			1.25	\$ 5.46

13	Total								\$	149.40
14	Proposed Charge - CT or Other Company Owned Meter								\$	149.00
	<u>T&D - Competitive Meter</u>									
15	Labor	\$	82.24				1.25	\$	102.80	
16	Labor Burden	\$	32.20				1.25	\$	40.25	
17	Dispatch Cost			\$	0.89	1.0		\$	0.89	
18	Administrative Cost			\$	-	1.0		\$	-	
19	Transportation expenses	\$	4.37				1.25	\$	5.46	
20	Total							\$	149.40	
21	Proposed Charge - Competitive Meter							\$	149.00	

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 42.34			0.75	\$ 31.76
2	Labor Burden	\$ 16.58			0.75	\$ 12.43
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 48.36</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u><u>\$ 48.00</u></u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			1.0	\$ 82.24
9	Labor Burden	\$ 32.20			1.0	\$ 32.20
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			1.0	\$ 4.37

13	Total								\$	119.70
14	Proposed Charge - CT or Other Company Owned Meter								\$	120.00
	<u>T&D - Competitive Meter</u>									
15	Labor	\$	82.24				1.25	\$	102.80	
16	Labor Burden	\$	32.20				1.25	\$	40.25	
17	Dispatch Cost			\$	0.89	1.0		\$	0.89	
18	Administrative Cost			\$	-	1.0		\$	-	
19	Transportation expenses	\$	4.37				1.25	\$	5.46	
20	Total							\$	149.40	
21	Proposed Charge - Competitive Meter							\$	149.00	

CENTERPOINT ENERGY HOUSTON ELECTRIC LLC - DISCRETIONARY CHARGES
AMS-M: Meter Test
FOR THE YEAR ENDED DECEMBER 31, 2018

SPONSOR: M. Troxle

Description:

Applicable to Meter tests performed at the request of Competitive Retailer or Retail Customer in accordance with Section 4.7.4, METER TESTING.

Line No.	Type of Cost	Cost Per Hr	Cost Per Event	No of Events	No of Hours	Total Cost
<u>T&D - Company Owned Self Contained Meter</u>						
1	Labor	\$ 42.34			0.75	\$ 31.76
2	Labor Burden	\$ 16.58			0.75	\$ 12.43
3	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
4	Administrative Cost		\$ -	1.0		\$ -
5	Transportation expenses	\$ 4.37			0.75	\$ 3.28
6	Total					<u>\$ 48.36</u>
7	Proposed Charge - Company Owned Self Contained Meter					<u>\$ 48.00</u>
<u>T&D - CT or Other Company Owned</u>						
8	Labor	\$ 82.24			1.0	\$ 82.24
9	Labor Burden	\$ 32.20			1.0	\$ 32.20
10	Dispatch Cost		\$ 0.89	1.0		\$ 0.89
11	Administrative Cost		\$ -	1.0		\$ -
12	Transportation expenses	\$ 4.37			1.0	\$ 4.37