

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
II-I CLASS ALLOCATION SUMMARY
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT -
SPONSOR: M. TROXLE
(THOUSANDS OF DOLLARS)

Line No.	Description	Total	Residential	Secondary <= 10 KVA	Secondary > 10 KVA	Primary Voltage	Transmission Voltage	Lighting SLS	Lighting MLS
PROPOSED									
1	Base + TCRF Revenue	2,284,109	1,219,246	30,958	740,384	70,054	162,364	57,986	3,116
2	Other Revenue	67,903	35,121	725	21,967	2,002	5,696	2,312	81
3	Electric Operating Revenue	2,352,012	1,254,368	31,683	762,351	72,056	168,060	60,298	3,197
4	Revenue Deductions	1,877,926	999,776	25,967	612,091	58,932	141,362	37,368	2,431
5	Net Income from Operations	474,086	254,592	5,716	150,260	13,124	26,697	22,930	766
6	Rate Base	6,415,236	3,445,088	77,347	2,033,290	177,590	361,262	310,290	10,368
7	% Rate of Return	7.39%	7.39%	7.39%	7.39%	7.39%	7.39%	7.39%	7.39%
8	Relative Rate of Return	100%	100%	100%	100%	100%	100%	100%	100%
CURRENT ADJUSTED									
12	Base + TCRF Revenue + DCRF Revenue	2,095,242	1,130,384	32,591	654,837	66,688	143,168	63,739	3,835
13	Other Revenue	67,903	35,121	725	21,967	2,002	5,696	2,312	81
14	Electric Operating Revenue	2,163,145	1,165,505	33,315	676,804	68,690	148,864	66,051	3,916
15	Revenue Deductions	1,870,348	998,812	26,907	602,909	59,246	138,806	40,890	2,687
16	Net Income from Operations	292,797	166,694	6,408	73,805	9,444	10,057	25,161	1,229
17	Rate Base	6,415,236	3,445,088	77,347	2,033,290	177,590	361,262	310,290	10,368
18	% Rate of Return	4.56%	4.84%	8.28%	3.63%	5.32%	2.78%	8.11%	11.85%
19	Relative Rate of Return	100%	108%	182%	80%	117%	61%	178%	280%
PROPOSED VS CURRENT									
23	Base + TCRF Revenue - \$	\$ 188,867	\$ 88,862	\$ (1,632)	\$ 85,547	\$ 3,366	\$ 19,196	\$ (5,753)	\$ (719)
24	Base + TCRF Revenue - %	9.01%	7.88%	-5.01%	13.06%	5.05%	13.41%	-9.03%	-18.74%
25	Other Revenue - \$	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	Other Revenue - %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
27	Total Revenue - \$	\$ 188,867	\$ 88,862	\$ (1,632)	\$ 85,547	\$ 3,366	\$ 19,196	\$ (5,753)	\$ (719)
28	Total Revenue - %	8.73%	7.62%	-4.80%	12.64%	4.90%	12.69%	-8.71%	-18.38%

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROOF OF REVENUE STATEMENT
FOR THE YEAR ENDING DECEMBER 31, 2018

TOTAL REVENUE (\$)

Sponsor: M. Troxle

	Current Adjusted Revenue	Target Proposed Revenue	Actual Proposed Revenue	Amount Increase/Decrease	Percent
Residential	\$ 1,130,553,347	\$ 1,217,814,820	\$ 1,217,814,820	\$ 87,261,473	7.72%
Secondary <= 10 kVA	\$ 32,504,710	\$ 30,607,020	\$ 30,607,020	\$ (1,897,690)	-6.10%
Secondary > 10 kVA	\$ 654,065,407	\$ 730,867,066	\$ 730,867,066	\$ 84,001,659	12.96%
Primary	\$ 66,701,177	\$ 70,080,540	\$ 70,080,540	\$ 3,388,372	5.08%
Transmission	\$ 143,211,068	\$ 162,433,967	\$ 162,433,967	\$ 19,221,000	13.42%
Street Lighting	\$ 63,720,007	\$ 68,264,534	\$ 68,264,534	\$ (5,486,463)	-8.68%
Miscellaneous Lighting	\$ 3,843,864	\$ 3,126,732	\$ 3,126,732	\$ (717,132)	-18.66%
Total Revenue Requirement (includes TCRF & DGRF)	\$ 2,095,600,469	\$ 2,282,203,678	\$ 2,282,203,678	\$ 186,603,209	8.90%
EECRF **	\$ 46,321,956	\$ 46,321,956	\$ 46,321,956	\$ -	0.00%
Franchise Fees	\$ (138,680,553)	\$ (152,783,133)	\$ (152,783,133)	\$ (14,102,581)	10.17%
CMC	\$ -	\$ -	\$ -	\$ -	0.00%
TC2*	\$ 201,877,355	\$ 201,877,355	\$ 201,877,355	\$ -	0.00%
TC3*	\$ 55,105,153	\$ 55,105,153	\$ 55,105,153	\$ -	0.00%
TC5*	\$ 144,616,481	\$ 144,616,481	\$ 144,616,481	\$ -	0.00%
SRG*	\$ 52,362,517	\$ 52,362,517	\$ 52,362,517	\$ -	0.00%
ADFIT*	\$ (6,377,546)	\$ (6,377,546)	\$ (6,377,546)	\$ -	0.00%
Nuclear Decommissioning Fee*	\$ 107,708	\$ 107,708	\$ 107,708	\$ -	0.00%
UEDIT***	\$ -	\$ (32,358,663)	\$ (32,358,663)	\$ (32,358,663)	100.00%
RCE	\$ -	\$ 4,405,000	\$ 4,405,000	\$ 4,405,000	100.00%
Total Riders	\$ 355,422,972	\$ 213,366,727	\$ 213,366,727	\$ (42,056,244)	-11.83%
Sub-Total Revenue	\$ 2,451,023,440	\$ 2,505,570,405	\$ 2,505,570,405	\$ 144,546,965	5.90%
Other Revenue	\$ 55,010,054	\$ 66,002,000	\$ 66,002,000	\$ 11,081,047	20.15%
Total Revenue	\$ 2,506,033,494	\$ 2,661,662,405	\$ 2,661,662,405	\$ 455,628,912	6.24%

* The revenue amounts shown for these charges reflect the amounts approved in the specific Dockets they were approved in. These riders are not the subject of this rate case and the charges within each rider remain the same

** This reflects total program costs per Substantive Rule 25 181(f)(4), that any base rate case filed shall not be set to recovery energy efficiency costs

*** Proposed Rider - Unprotected Excess Deferred Income Tax.

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROOF OF REVENUE STATEMENT
FOR THE YEAR ENDING DECEMBER 31, 2018

TOTAL REVENUE (\$)

Sponsor: M. Troxle

	Current Adjusted Revenue	Target Proposed Revenue	Actual Proposed Revenue	Amount Increase/Decrease	Percent
Residential	\$ 871,088,722	\$ 1,217,814,820	\$ 1,217,814,820	\$ 346,748,098	39.81%
Secondary <=10 kVA	\$ 25,084,653	\$ 30,807,020	\$ 30,807,020	\$ 4,612,468	17.74%
Secondary >10 kVA	\$ 463,242,266	\$ 738,887,068	\$ 738,887,068	\$ 276,624,700	59.71%
Primary	\$ 47,883,144	\$ 70,089,649	\$ 70,089,649	\$ 22,526,405	47.36%
Transmission	\$ 80,884,841	\$ 182,433,987	\$ 182,433,987	\$ 81,589,016	100.87%
Street Lighting	\$ 81,830,658	\$ 58,264,534	\$ 58,264,534	\$ (2,366,124)	-5.46%
Miscellaneous Lighting	\$ 3,340,396	\$ 2,126,732	\$ 2,126,732	\$ (213,663)	-6.40%
Sub-Total	\$ 1,553,702,669	\$ 2,282,203,678	\$ 2,282,203,678	\$ 728,501,009	46.89%
Total Revenue Requirement	\$ 1,553,702,669	\$ 2,282,203,678	\$ 2,282,203,678	\$ 728,501,009	46.89%
TCRF***	\$ 509,008,448	\$ -	\$ -	\$ (509,008,448)	-100.00%
RCE	\$ -	\$ 4,405,000	\$ 4,405,000	\$ 4,405,000	100.00%
EECRF**	\$ 46,321,856	\$ 46,321,856	\$ 46,321,856	\$ -	0.00%
Franchise Fees	\$ (138,680,553)	\$ (152,783,133)	\$ (152,783,133)	\$ (14,102,581)	-10.17%
GMC	\$ -	\$ -	\$ -	\$ -	0.00%
TC2†	\$ 201,877,355	\$ 201,877,355	\$ 201,877,355	\$ -	0.00%
TC3†	\$ 55,105,153	\$ 55,105,153	\$ 55,105,153	\$ -	0.00%
TC5†	\$ 144,618,481	\$ 144,618,481	\$ 144,618,481	\$ -	0.00%
SRG†	\$ 52,382,517	\$ 52,382,517	\$ 52,382,517	\$ -	0.00%
ADFIT†	\$ (6,377,546)	\$ (6,377,546)	\$ (6,377,546)	\$ -	0.00%
Nuclear Decommissioning Fee†	\$ 107,708	\$ 107,708	\$ 107,708	\$ -	0.00%
UEDIT****	\$ -	\$ (32,358,663)	\$ (32,358,663)	\$ (32,358,663)	-100.00%
DCRF	\$ 31,080,352	\$ -	\$ -	\$ (31,080,352)	-100.00%
Total Riders	\$ 807,320,772	\$ 313,368,727	\$ 313,368,727	\$ (503,954,044)	-66.08%
Sub-Total Revenue	\$ 2,451,023,440	\$ 2,595,570,405	\$ 2,595,570,405	\$ 144,546,965	5.90%
Other Revenue	\$ 55,010,054	\$ 56,002,000	\$ 56,002,000	\$ 11,081,047	20.16%
Total Revenue	\$ 2,506,033,494	\$ 2,651,562,405	\$ 2,651,562,405	\$ 155,528,911	6.21%

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*** Target proposed amount reflects TCOS dockets associated with rate case. TCOS has been rolled into base rates.

**** Proposed Rider - Unprotected Excess Deferred Income Tax

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROOF OF REVENUE STATEMENT
FOR THE YEAR ENDING DECEMBER 31, 2018

TOTAL REVENUE (\$)

Sponsor: M. Troxle

	Current Adjusted Revenue	Target Proposed Revenue	Actual Proposed Revenue	Amount Increase/Decrease	Percent
Residential	\$ 1,130,384,216	\$ 1,219,245,756	\$ 1,219,245,756	\$ 88,861,541	7.86%
Secondary <=10 Kva	\$ 32,590,600	\$ 30,958,887	\$ 30,958,887	\$ (1,631,713)	-5.01%
Secondary > 10 Kva	\$ 654,836,724	\$ 740,383,955	\$ 740,383,955	\$ 85,547,231	13.06%
Primary	\$ 66,688,172	\$ 70,053,774	\$ 70,053,774	\$ 3,365,603	5.05%
Transmission	\$ 143,168,131	\$ 162,363,701	\$ 162,363,701	\$ 19,195,570	13.41%
Street Lighting	\$ 63,729,997	\$ 57,986,328	\$ 57,986,328	\$ (5,743,670)	-9.01%
Miscellaneous Lighting	\$ 3,843,864	\$ 3,116,180	\$ 3,116,180	\$ (727,684)	-18.93%
Total Revenue Requirement (Includes TCRF & DCRF)	\$ 2,095,241,703	\$ 2,284,108,581	\$ 2,284,108,581	\$ 188,866,878	9.01%
EECRF **	\$ 46,321,856	\$ 46,321,856	\$ 46,321,856	\$ -	0.00%
Franchise Fees	\$ (138,680,553)	\$ (153,227,995)	\$ (153,227,995)	\$ (14,547,442)	10.49%
CMC	\$ -	\$ -	\$ -	\$ -	0.00%
TC2*	\$ 201,877,355	\$ 201,877,355	\$ 201,877,355	\$ -	0.00%
TC3*	\$ 55,105,153	\$ 55,105,153	\$ 55,105,153	\$ -	0.00%
TC5*	\$ 144,616,481	\$ 144,616,481	\$ 144,616,481	\$ -	0.00%
SRC*	\$ 52,362,517	\$ 52,362,517	\$ 52,362,517	\$ -	0.00%
ADFIT*	\$ (6,377,546)	\$ (6,377,546)	\$ (6,377,546)	\$ -	0.00%
Nuclear Decommissioning Fee*	\$ 197,708	\$ 197,708	\$ 197,708	\$ -	0.00%
UEDIT***	\$ -	\$ (39,654,023)	\$ (39,654,023)	\$ (39,654,023)	100.00%
RCE	\$ -	\$ -	\$ -	\$ -	100.00%
Total Riders	\$ 355,422,972	\$ 301,221,506	\$ 301,221,506	\$ (54,201,465)	-15.25%
Sub-Total Revenue	\$ 2,450,664,675	\$ 2,585,330,087	\$ 2,585,330,087	\$ 134,665,413	5.50%
Other Revenue	\$ 55,010,054	\$ 67,903,000	\$ 67,903,000	\$ 12,892,947	23.44%
Total Revenue	\$ 2,505,674,728	\$ 2,653,233,087	\$ 2,653,233,087	\$ 147,558,359	5.89%

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CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROOF OF REVENUE STATEMENT
FOR THE YEAR ENDING DECEMBER 31, 2018

TOTAL REVENUE (\$)

Sponsor: M. Troxle

	Current Adjusted Revenue	Target Proposed Revenue	Actual Proposed Revenue	Amount Increase/Decrease	Percent
Residential	\$ 871,086,722	\$ 1,219,245,756	\$ 1,219,245,756	\$ 348,179,034	39.97%
Secondary <=10 Kva	\$ 25,994,553	\$ 30,958,887	\$ 30,958,887	\$ 4,964,334	19.10%
Secondary > 10 Kva	\$ 463,242,266	\$ 740,383,955	\$ 740,383,955	\$ 277,141,689	59.83%
Primary	\$ 47,563,144	\$ 70,053,774	\$ 70,053,774	\$ 22,490,630	47.29%
Transmission	\$ 80,884,941	\$ 162,363,701	\$ 162,363,701	\$ 81,498,760	100.78%
Street Lighting	\$ 61,630,658	\$ 57,986,328	\$ 57,986,328	\$ (3,644,330)	-5.91%
Miscellaneous Lighting	\$ 3,340,385	\$ 3,116,180	\$ 3,116,180	\$ (224,205)	-6.71%
Sub-Total	\$ 1,553,702,669	\$ 2,284,108,581	\$ 2,284,108,581	\$ 730,405,912	47.01%
Total Revenue Requirement	\$ 1,553,702,669	\$ 2,284,108,581	\$ 2,284,108,581	\$ 730,405,912	47.01%
TCRF ***	\$ 509,549,683	\$ -	\$ -	\$ (509,549,683)	-100.00%
RCE	\$ -	\$ -	\$ -	\$ -	100.00%
EECRF **	\$ 46,321,856	\$ 46,321,856	\$ 46,321,856	\$ -	0.00%
Franchise Fees	\$ (138,680,553)	\$ (153,227,995)	\$ (153,227,995)	\$ (14,547,442)	10.48%
CMC	\$ -	\$ -	\$ -	\$ -	0.00%
TC2*	\$ 201,877,355	\$ 201,877,355	\$ 201,877,355	\$ -	0.00%
TC3*	\$ 55,105,153	\$ 55,105,153	\$ 55,105,153	\$ -	0.00%
TC5*	\$ 144,616,481	\$ 144,616,481	\$ 144,616,481	\$ -	0.00%
SRC*	\$ 52,362,517	\$ 52,362,517	\$ 52,362,517	\$ -	0.00%
ADFIT*	\$ (6,377,546)	\$ (6,377,546)	\$ (6,377,546)	\$ -	0.00%
Nuclear Decommissioning Fee*	\$ 197,708	\$ 197,708	\$ 197,708	\$ -	0.00%
UEDIT ****	\$ -	\$ (39,654,023)	\$ (39,654,023)	\$ (39,654,023)	100.00%
DCRF	\$ 31,989,352	\$ -	\$ -	\$ (31,989,352)	-100.00%
Total Riders	\$ 896,962,006	\$ 301,221,506	\$ 301,221,506	\$ (595,740,499)	-66.42%
Sub-Total Revenue	\$ 2,450,664,675	\$ 2,585,330,087	\$ 2,585,330,087	\$ 134,665,413	5.50%
Other Revenue	\$ 55,010,054	\$ 87,903,000	\$ 87,903,000	\$ 12,892,947	23.44%
Total Revenue	\$ 2,505,674,728	\$ 2,653,233,087	\$ 2,653,233,087	\$ 147,558,359	5.89%

* The revenue amounts shown for these charges reflect the amounts approved in the specific Dockets they were approved in. These riders are not the subject of this rate case and the charges within each rider remain the same.

** This reflects total program costs per Substantive Rule 25 181(f)(4), that any base rate case filed shall not be set to recovery energy efficiency costs.

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**** Proposed Rider - Unprotected Excess Deferred Income Tax.

ERRATA 1

Exhibit MAT-5
Rate Design Summary
Page 1 of 7

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
RATE DESIGN SUMMARY
FOR THE YEAR ENDING DECEMBER 31, 2018

Sponsor: M. Troxle

CURRENT AND PROPOSED CHARGES (General Rate Schedules)					
CLASS	Type of Charge	Current Charge	Proposed Charge	Inc. or Dec.	Billing Unit
RESIDENTIAL	Customer				per meter
	Metering				per meter
	Transmission				per kWh
	Distribution				per kWh
SECONDARY =<10 Kva (Small)	Customer				per meter
	Metering				per meter
	Transmission				per kWh
	Distribution				per kWh
SECONDARY >10Kva (Large)	Customer				per meter
	NON-IDR				per meter
	IDR				
	Metering				per meter
	NON-IDR				per meter
	IDR				per meter
	Transmission				per NCP Kva
	NON-IDR				per 4 CP Kva
PRIMARY	IDR				per Billing Kva
	Distribution				
	Customer				per meter
	NON-IDR				per meter
	IDR				
	Metering				per meter
	NON-IDR				per meter
	IDR				
TRANSMISSION	Transmission				per NCP Kva
	NON-IDR				per 4 CP Kva
	IDR				per Billing Kva
	Distribution				
TRANSMISSION	Customer				per meter
	Metering				per meter
	Transmission				per 4 CP Kva
	Distribution				per 4 CP Kva

ERRATA 1

Exhibit MAT-5
Rate Design Summary
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CURRENT AND PROPOSED CHARGES (Rider Schedules) (Not Including TCs or SRC/ADFT)					
CLASS	Type of Charge	Current Charge	Proposed Charge	Inc. or Dec.	Billing Unit
Residential	RCE				per kWh
Secondary <= 10 Kva	RCE				per kWh
Secondary > 10 Kva	RCE				per Billing Kva
Primary	RCE				per Billing Kva
Transmission	RCE				per 4 CP Kva
Lighting	RCE				per kWh
Residential	TCRF				per kWh
Secondary <= 10 Kva	TCRF				per kWh
Secondary > 10 Kva					
IDR	TCRF				per 4 CP Kva
Non-IDR	TCRF				per NCP Kva
Primary					
IDR	TCRF				per 4 CP Kva
Non-IDR	TCRF				per NCP Kva
Transmission	TCRF				per 4 CP Kva
Lighting Services:					
Street Lighting	TCRF				per kWh
Miscellaneous Lighting	TCRF				per kWh
Residential	EECRF				per kWh
Secondary <= 10 Kva	EECRF				per kWh
Secondary > 10 Kva	EECRF				per kWh
Primary	EECRF				per kWh
Transmission (Non Profit)	EECRF				per kWh
Transmission (Industrial)	EECRF				per kWh
Lighting Service	EECRF				per kWh
Secondary > 10 Kva	CMC				per meter
Primary	CMC				per meter
Transmission	CMC				per meter
Residential	UEDIT				per kWh
Secondary <= 10 Kva	UEDIT				per kWh
Secondary > 10 Kva	UEDIT				per Billing Kva
Primary	UEDIT				per Billing Kva
Transmission	UEDIT				per 4 CP Kva
Street Lighting	UEDIT				per kWh
Miscellaneous Lighting	UEDIT				per kWh
Residential	DCRF				per kWh
Secondary <= 10 Kva	DCRF				per kWh
Secondary > 10 Kva	DCRF				per Billing Kva
Primary	DCRF				per Billing Kva
Transmission	DCRF				per 4 CP Kva
Lighting Service	DCRF				per kWh

ERRATA 1

Exhibit MAT-5
Rate Design Summary
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CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
RATE DESIGN SUMMARY
FOR THE YEAR ENDING DECEMBER 31, 2018

Sponsor: M. Troile

Lamp Type	Lumen	STREET LIGHT SERVICES: CURRENT AND PROPOSED CHANGES									
		Rate Sched. A		Rate Sched. B		Rate Sched. C		Rate Sched. D		Rate Sched. E	
		Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed
Mercury Vapor	52800	\$6.16	\$4.43	\$47.76	\$48.63	\$1.16	N/A	\$0.00	\$10.76	\$10.14	\$11.78
Mercury Vapor	7800	\$3.64	\$2.88	N/A	N/A	N/A	N/A	\$0.00	\$10.80	\$10.40	N/A
Mercury Vapor	4200	\$3.54	\$3.00	\$18.61	\$18.46	\$1.64	N/A	N/A	\$12.70	N/A	N/A
High-Pressure Sodium	60000	\$7.53	\$4.40	\$20.46	\$18.90	(\$1.79)	N/A	\$0.00	\$20.28	\$18.60	\$11.76
High-Pressure Sodium	28000	\$6.16	\$4.27	\$17.75	\$18.77	\$1.02	\$10.33	\$13.37	\$13.15	\$11.62	\$11.82
High-Pressure Sodium	15000	\$3.64	\$4.15	\$16.20	\$18.84	\$2.44	\$10.77	\$13.04	\$10.40	\$11.50	\$11.10
High-Pressure Sodium	8000	\$3.64	\$4.13	\$16.20	\$18.68	N/A	N/A	\$12.00	\$12.00	\$8.88	\$2.40
High-Pressure Sodium	6000	\$3.58	\$4.09	\$16.33	\$18.60	\$2.46	N/A	\$12.88	N/A	N/A	N/A
Naet-Halide	22000	\$4.40	\$5.41	N/A	N/A	N/A	N/A	\$18.40	\$22.84	\$18.66	\$18.00
Naet-Halide	13075	\$10.34	\$10.00	N/A	N/A	N/A	N/A	\$18.40	\$22.84	\$18.66	\$18.00
Naet-Halide	7800	\$11.01	\$4.00	N/A	N/A	N/A	N/A	\$18.40	\$22.84	\$18.66	\$18.00
Naet-Halide	7800	\$11.01	\$4.00	N/A	N/A	N/A	N/A	\$18.40	\$22.84	\$18.66	\$18.00
Light-Emitting Diode	16100	\$7.83	\$6.22	\$20.68	N/A	\$0.00	N/A	\$7.01	\$20.28	\$18.60	\$28.72
Light-Emitting Diode	10850	\$6.16	\$4.70	\$17.75	\$18.24	\$1.49	\$25.27	\$13.68	\$10.76	\$11.16	\$10.24
Light-Emitting Diode	7200	\$3.64	\$4.38	\$16.20	\$18.84	\$2.64	\$10.73	\$13.18	\$10.40	\$10.40	\$10.24
Light-Emitting Diode	4800	\$3.64	\$3.64	\$16.20	\$18.28	N/A	N/A	\$13.70	\$10.70	\$8.88	\$11.60
Light-Emitting Diode	2000	\$0.00	\$3.64	N/A	N/A	N/A	N/A	\$0.00	\$12.72	N/A	N/A

ERRATA 1

Exhibit MAT-5
Rate Design Summary
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MISCELLANEOUS LIGHTING SERVICES CURRENT AND PROPOSED CHARGES										
Lamp Type	Lumen	Flood Light		Roadway		Guard Light		Reduction		Reduction
		Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	
Emergency On-Call Service Charge										
High-Pressure Sodium	140000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High-Pressure Sodium	50000	\$4.66	\$4.66	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High-Pressure Sodium	28000	\$4.48	\$4.48	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High-Pressure Sodium	14000	\$4.48	\$4.24	\$2.70	\$2.70	N/A	N/A	\$0.00	\$0.00	N/A
High-Pressure Sodium	5000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00
Light-Emitting-Diode										
Light-Emitting-Diode	140000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light-Emitting-Diode	113000	N/A	\$4.60	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A
Light-Emitting-Diode	7800	N/A	\$5.48	\$0.00	N/A	\$2.28	N/A	N/A	N/A	\$0.00
Light-Emitting-Diode	4800	N/A	\$4.24	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00
Head-Holts Service Charge										
High-Pressure Sodium	140000	\$8.37	\$7.20	\$2.08	N/A	N/A	N/A	N/A	N/A	N/A
High-Pressure Sodium	50000	\$4.74	\$3.88	\$0.85	N/A	N/A	N/A	N/A	N/A	N/A
High-Pressure Sodium	28000	\$4.62	\$4.24	\$0.38	N/A	N/A	N/A	N/A	N/A	N/A
High-Pressure Sodium	14000	\$4.20	\$3.67	\$0.53	\$2.43	\$2.43	N/A	\$0.38	N/A	N/A
High-Pressure Sodium	8500	N/A	N/A	N/A	N/A	N/A	N/A	\$2.81	\$2.43	\$0.38
Metal-Halide										
Metal-Halide	104000	\$12.79	\$14.08	\$2.29	N/A	N/A	N/A	N/A	N/A	N/A
Metal-Halide	50000	\$7.81	\$7.22	\$0.59	N/A	N/A	N/A	N/A	N/A	N/A
Metal-Halide	19476	\$16.17	\$17.06	\$1.89	N/A	N/A	N/A	N/A	N/A	N/A
Metal-Halide	12000	\$10.21	\$10.72	\$0.51	N/A	N/A	N/A	N/A	N/A	N/A
Light-Emitting-Diode										
Light-Emitting-Diode	141000	N/A	\$7.20	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A
Light-Emitting-Diode	113000	N/A	\$3.80	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A
Light-Emitting-Diode	7800	N/A	\$4.24	\$0.00	N/A	\$2.43	N/A	\$0.00	N/A	\$0.00
Light-Emitting-Diode	4800	N/A	\$3.67	\$0.00	N/A	N/A	N/A	N/A	N/A	\$0.00

ERRATA 1

Errata - 1
Exhibit MAT-5
Rate Design Summary
Page 1 of 7

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
RATE DESIGN SUMMARY
FOR THE YEAR ENDING DECEMBER 31, 2018

Sponsor: M. Troxle

CURRENT AND PROPOSED CHARGES (General Rate Schedules)					
CLASS	Type of Charge	Current Charge	Proposed Charge	Inc. or Dec.	Billing Unit
RESIDENTIAL	Customer	\$1.62	\$2.46	\$0.84	per meter
	Metering	\$3.85	\$2.07	(\$1.78)	per meter
	Transmission	\$0.008439	\$0.015070	\$0.006631	per kWh
	Distribution	\$0.016489	\$0.022650	\$0.006161	per kWh
SECONDARY =<10 Kva (Small)	Customer	\$1.61	\$2.43	\$0.82	per meter
	Metering	\$4.41	\$2.33	(\$2.08)	per meter
	Transmission	\$0.004437	\$0.009010	\$0.004573	per kWh
	Distribution	\$0.012218	\$0.015490	\$0.003272	per kWh
SECONDARY >10Kva (Large)	Customer	\$2.26	\$3.20	\$0.94	per meter
	NON-IDR	\$65.83	\$47.99	(\$17.84)	per meter
	Metering				
	NON-IDR	\$18.82	\$7.65	(\$11.17)	per meter
	IDR	\$63.07	\$79.90	\$16.83	per meter
	Transmission				
	NON-IDR	\$1.4318	\$2.7117	\$1.28	per NCP Kva
	IDR	\$2.2387	\$4.0486	\$1.81	per 4 CP Kva
PRIMARY	Distribution	\$3.059429	\$4.831300	\$1.77187	per Billing Kva
	Customer				
	NON-IDR	\$3.58	\$4.80	\$1.22	per meter
	IDR	\$76.73	\$60.85	(\$15.88)	per meter
	Metering				
	NON-IDR	\$181.35	\$287.29	\$105.94	per meter
	IDR	\$138.40	\$198.71	\$60.31	per meter
	Transmission				
TRANSMISSION	NON-IDR	\$1.7033	\$2.7335	\$1.03	per NCP Kva
	IDR	\$2.1546	\$3.9371	\$1.78	per 4 CP Kva
	Distribution	\$2.002820	\$2.523170	\$0.52	per Billing Kva
	Customer	\$154.44	\$221.58	\$67.14	per meter
	Metering	\$1,449.82	\$1,456.99	\$7.17	per meter
	Transmission	\$2.1188	\$4.7162	\$2.60	per 4 CP Kva
	Distribution	\$0.463296	\$0.594950	\$0.13	per 4 CP Kva

ERRATA 1

Errata - 1
Exhibit MAT-5
Rate Design Summary
Page 2 of 7

CURRENT AND PROPOSED CHARGES (Rider Schedules) (Not Including TCs or SRC/ADFT)					
CLASS	Type of Charge	Current Charge	Proposed Charge	Inc. or Dec.	Billing Unit
Residential	RCE	N/A	\$0.000000	\$0.000000	per kWh
Secondary <=10 Kva	RCE	N/A	\$0.000000	\$0.000000	per kWh
Secondary >10 Kva	RCE	N/A	\$0.000000	\$0.000000	per Billing Kva
Primary	RCE	N/A	\$0.000000	\$0.000000	per Billing Kva
Transmission	RCE	N/A	\$0.000000	\$0.000000	per 4 CP Kva
Lighting	RCE	N/A	\$0.000000	\$0.000000	per kWh
Residential	TCRF	\$0.004636	\$0.000000	(\$0.004636)	per kWh
Secondary <=10 Kva	TCRF	\$0.005007	\$0.000000	(\$0.005007)	per kWh
Secondary > 10 Kva	TCRF	\$2.220816	\$0.000000	(\$2.220816)	per 4 CP Kva
IDR	TCRF	\$1.154194	\$0.000000	(\$1.154194)	per NCP Kva
Non-IDR	TCRF	\$1.898137	\$0.000000	(\$1.898137)	per 4 CP Kva
Primary	TCRF	\$1.289805	\$0.000000	(\$1.289805)	per NCP Kva
IDR	TCRF	\$1.632335	\$0.000000	(\$1.632335)	per 4 CP Kva
Non-IDR	TCRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Transmission	TCRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Lighting Services:	TCRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Street Lighting	TCRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Miscellaneous Lighting	TCRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Residential	EECRF	\$0.000728	\$0.000728	\$0.000000	per kWh
Secondary <=10 Kva	EECRF	\$0.001478	\$0.001478	\$0.000000	per kWh
Secondary > 10 Kva	EECRF	\$0.000611	\$0.000611	\$0.000000	per kWh
Primary	EECRF	\$0.000559	\$0.000559	\$0.000000	per kWh
Transmission (Non Profit)	EECRF	\$0.000279	\$0.000279	\$0.000000	per kWh
Transmission (Industrial)	EECRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Lighting Service	EECRF	\$0.000000	\$0.000000	\$0.000000	per kWh
Secondary > 10 Kva	CMC	\$1.32	\$11.33	\$10.012258	per meter
Primary	CMC	\$2.14	\$10.72	\$8.582142	per meter
Transmission	CMC	\$21.80	\$15.38	(\$6.421672)	per meter
Residential	UEDIT	N/A	(\$0.000725)	(\$0.000725)	per kWh
Secondary <=10 Kva	UEDIT	N/A	(\$0.000582)	(\$0.000582)	per kWh
Secondary > 10 Kva	UEDIT	N/A	(\$0.156680)	(\$0.156680)	per Billing Kva
Primary	UEDIT	N/A	(\$0.090248)	(\$0.090248)	per Billing Kva
Transmission	UEDIT	N/A	(\$0.095092)	(\$0.095092)	per 4 CP Kva
Street Lighting	UEDIT	N/A	(\$0.004977)	(\$0.004977)	per kWh
Miscellaneous Lighting	UEDIT	N/A	(\$0.001100)	(\$0.001100)	per kWh
Residential	DCRF	\$0.000655	\$0.000000	(\$0.000655)	per kWh
Secondary <=10 Kva	DCRF	\$0.000812	\$0.000000	(\$0.000812)	per kWh
Secondary > 10 Kva	DCRF	\$0.107617	\$0.000000	(\$0.107617)	per Billing Kva
Primary	DCRF	\$0.048612	\$0.000000	(\$0.048612)	per Billing Kva
Transmission	DCRF	\$0.001865	\$0.000000	(\$0.001865)	per 4 CP Kva
Lighting Service	DCRF	\$0.010512	\$0.000000	(\$0.010512)	per kWh

Lamp Type	Lumen	STREET LIGHT SERVICES: CURRENT AND PROPOSED CHARGES											
		Rate Sched. A		Rate Sched. B		Rate Sched. C		Rate Sched. D		Rate Sched. E			
		Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed		
Mercury Vapor	22800	\$5.15	\$4.42	\$17.75	\$18.83	\$1.08	N/A	\$0.00	\$19.75	\$13.14	\$11.73		
Mercury Vapor	7600	\$3.64	\$3.87	N/A	N/A	N/A	N/A	N/A	\$15.89	\$12.58	N/A		
Mercury Vapor	4200	\$3.54	\$3.89	\$18.91	\$18.96	\$1.45	N/A	N/A	\$13.70	\$12.81	N/A		
High Pressure Sodium	50000	\$7.89	\$4.39	\$20.65	\$18.80	(\$1.85)	N/A	\$0.00	\$23.26	\$13.11	\$11.70		
High Pressure Sodium	28000	\$5.15	\$4.26	\$17.75	\$18.67	\$0.92	N/A	\$0.00	\$19.75	\$12.88	\$11.57		
High Pressure Sodium	15000	\$3.64	\$4.14	\$16.20	\$18.55	\$2.35	N/A	N/A	\$15.68	\$12.85	\$11.44		
High Pressure Sodium	9600	\$3.84	\$4.12	\$16.20	\$18.50	\$2.30	N/A	N/A	\$12.62	\$12.53	\$11.42		
High Pressure Sodium	6300	\$3.58	\$4.08	\$15.13	\$15.48	\$2.36	N/A	N/A	\$12.46	\$12.50	N/A		
Metal Halide	32200	\$9.48	\$5.40	N/A	N/A	N/A	N/A	N/A	\$23.94	\$19.36	\$15.94		
Metal Halide	19475	\$10.34	\$10.00	N/A	N/A	N/A	N/A	N/A	\$26.43	\$18.55	\$15.12		
Metal Halide	12900	\$11.01	\$7.89	N/A	N/A	N/A	N/A	N/A	\$23.52	\$16.83	\$14.27		
Metal Halide	7900	\$11.09	\$7.28	N/A	N/A	N/A	N/A	N/A	\$23.28	\$15.93	\$13.67		
Light Emitting Diode	15100	\$7.93	\$5.20	\$20.59	N/A	\$0.00	N/A	\$0.00	\$22.26	\$8.97	\$15.50	\$28.60	\$10.10
Light Emitting Diode	10850	\$5.15	\$4.77	\$17.75	\$ 19.21	\$1.46	N/A	\$10.50	\$19.75	\$13.51	\$15.15	\$12.37	\$0.78
Light Emitting Diode	7600	\$3.64	\$4.37	\$14.20	\$ 18.81	\$2.61	N/A	\$0.00	\$15.66	\$12.70	\$11.97	\$11.97	\$0.78
Light Emitting Diode	4800	\$3.54	\$3.93	\$14.20	\$ 16.38	\$2.16	N/A	N/A	\$13.70	\$12.87	\$8.88	\$11.53	\$2.85
Light Emitting Diode	2000	\$0.00	\$3.99	N/A	N/A	N/A	N/A	N/A	\$0.00	\$12.67	N/A	N/A	N/A

MISCELLANEOUS LIGHTING SERVICES CURRENT AND PROPOSED CHARGES											
Lamp Type	Lumen	Flood Light		Roadway		Guard Light		Worship		Current	Proposed
		Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed		
High Pressure Sodium	14000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Sodium	5000	\$4.55	\$4.67	\$0.12	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Sodium	28000	\$4.46	\$5.17	\$0.71	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Sodium	15000	\$4.15	\$4.32	\$0.17	\$2.70	\$2.78	\$0.08	N/A	N/A	N/A	N/A
High Pressure Sodium	9500	N/A	N/A	N/A	N/A	N/A	N/A	\$2.70	\$2.78	\$0.08	\$0.08
Light Emitting Diode	15100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	11300	N/A	\$4.67	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	7800	N/A	\$5.17	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	4800	N/A	\$4.32	\$0.00	N/A	N/A	N/A	N/A	\$2.78	N/A	\$0.00
High Pressure Sodium	14000	\$9.37	\$7.28	(\$2.08)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Sodium	5000	\$4.74	\$3.87	(\$0.87)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Sodium	28000	\$4.62	\$4.33	(\$0.29)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High Pressure Sodium	15000	\$4.20	\$3.56	(\$0.64)	\$2.81	\$2.42	(\$0.39)	N/A	N/A	N/A	N/A
High Pressure Sodium	9500	N/A	N/A	N/A	N/A	N/A	N/A	\$2.81	\$2.41	N/A	(\$0.40)
Metal Halide	104500	\$17.78	\$14.08	(\$3.71)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metal Halide	32200	\$7.81	\$7.31	(\$0.50)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metal Halide	19475	\$18.17	\$17.93	(\$0.24)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metal Halide	12800	\$10.71	\$9.70	(\$1.01)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	15100	N/A	\$7.28	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	11300	N/A	\$3.87	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	7800	N/A	\$4.33	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light Emitting Diode	4800	N/A	\$3.56	\$0.00	N/A	N/A	N/A	N/A	\$2.41	N/A	\$0.00

Meter and with Unmetered Service) and 6.1.4 (Uniform Discretionary Service Charges for Premises with an AMS-M Meter) to newly created 6.1.2.1.2 and 6.1.2.1.3, respectively.

6.1.2.2 Construction Service Charges.

Renamed to “Construction Services Policy and Charges.”

- Section 1 Introduction. Revised to improve readability.
- Section 2 Permanent Facility Extensions. Revised to use defined terms and more clearly define standard and non-standard facilities. Also added clarifying language to identify the company’s standard allowance for permanent facility extensions and the facility extension costs for retail customers requesting facility extensions.

- Added a new subsection 2.65 for facility extensions to provide premium service requested by a retail customer under the company’s existing premium service rate schedule in 6.1.2.3.3 of the tariff.

- Section 3 Semi-Permanent Facility Extensions. Revised to use defined terms.
- Section 4 Temporary Facility Extensions. Revised to use defined terms and clarify the application of this provision.
- Section 5 DG Interconnection Facility Extensions. Revised to clarify application of this provision to facility extensions for the interconnection of distributed generation as defined in the Commission’s rules and to note the availability of alternative islanding protection schemes other than transfer trip protection for islanding the distributed generation.
- Section 6 Construction Services for Street Lighting Service. Revised to update the Company contribution per lamp to conform to the change to LED as the standard lamp under the Company’s Lighting Services rate schedule in 6.1.1.1.6. Also corrected the internal tariff reference for the discretionary removal charges applicable to a customer request to remove or relocate street lights.
- Section 7 Metering Practices. Revised to use defined terms and to insert metering standards for mobile home parks that are currently in section 8 of the policy.
- Section 8 Miscellaneous Construction Services. Revised to remove redundant provisions that are covered elsewhere.
- Section 9 Competitive Metering Construction Services. Moved to 6.1.2.3.1 Additional Discretionary Charges.

6.1.2.3.1 Additional Discretionary Charges.

Revised to add the competitive metering construction services charge moved from the Construction Services Policy and a new as calculated charge for service calls to unmetered attachments and the charges currently contained in Section 9 of the Construction Services Policy in 6.1.2.2.

6.1.2.3.2 Public Access to Accessible Utility Information – Rate AUI.

Revised to clarify that the charges apply only to information provided in paper format.

6.1.2.3.3 Premium Rollover Service – Rate PRS.

Renamed “Premium Service – Rate PS.”

- Revised to clarify availability of premium service at both distribution voltages and transmission voltages.

Chapter 6: Company Specific Items

CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8015

CHAPTER 6: COMPANY SPECIFIC ITEMS**6.1 RATE SCHEDULES****6.1.1 DELIVERY SYSTEM CHARGES****6.1.1.1 CHARGES FOR TRANSMISSION AND DISTRIBUTION SYSTEM SERVICE****6.1.1.1.1 RESIDENTIAL SERVICE****AVAILABILITY**

This schedule is ~~applicable~~ available to Retail Customers requesting Delivery Service for residential purposes of a permanent nature to individual private dwellings and to individually metered apartments ~~Residential Purposes~~ when such Delivery Service is to one Point of Delivery and measured through one Meter and, except as otherwise provided in this Rate Schedule, is not for shared or resale purposes.

TYPE OF SERVICE

~~Delivery Service will be single phase, 60 hertz, at a standard secondary voltage. Delivery Service will be metered using Company's standard watt-hour Meter provided for this type of Delivery Service. Any other metering option(s) will be provided at an additional charge. Where Delivery Service of the type desired is not available at the Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, of this Tariff.~~

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge	\$1,622.48	per Retail Customer Meter per Month
Metering Charge	\$3,851.95	per Retail Customer Meter per Month
Transmission System Charge	\$.008439.0 <u>15080</u>	per kWh
Distribution System Charge	\$.0164890 <u>22680</u>	per kWh

~~II. System Benefit Fund Charge:~~ See Rider SBF

III. Transition Charge: See Schedules ~~TC~~, TC2, TC3, SRC, and TC5

IV. Nuclear Decommissioning Charge: See Rider NDC

V. Transmission Cost Recovery

Revision Number: 16th

Effective: 9/1/2017

Chapter 6: Company Specific Items

Sheet No. 6.1

Page 2 of 3

CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8015

Factor:

See Rider TCRF

~~VI. Competition Transition Charge:~~

See Rider CTC

VII. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below) ~~\$(.0018390~~ 01768 per kWh

B. Rate Case Expenses Surcharge See Rider RCE

~~C. Advanced Metering System Surcharge~~ See Rider AMS

~~D. C.~~ Energy Efficiency Cost
Recovery Factor See Rider EECRF

~~D.~~ See Rider ADFITC
Accumulated Deferred Federal Income Tax Credit

~~E.~~ See Rider DCRF
Distribution Cost Recovery Factor
~~See Rider EECRF~~

F. Unprotected Excess Deferred Income Tax See Rider UEDIT

COMPANY SPECIFIC APPLICATIONS~~Residential~~ **TERMS OF SERVICE**

Type of Service. ~~Where more than four family units or apartments are served through one Meter, billing will be under the applicable commercial~~ The standard Delivery Service under this Rate Schedule.

Service Voltages. ~~will be single-phase, 60 hertz, at the Company's standard Secondary Distribution Voltage level for this type of service voltages are as described in Section 6.22, Standard Voltages 2.2 of this Tariff and in the Company's Service Standards. Three-phase service is not generally not available to residential for Residential Purposes. Retail Customers. Check desiring three-phase service for Residential Purposes should check with a Company representative to determine if three-phase service is available. Facilities for three-phase service under this Rate Schedule are Non-Standard Facilities as defined in the Company's Construction Services Policy.~~

Revision Number: 16th

Effective: 9/1/2017

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Chapter 6: Company Specific Items

Sheet No. 6.1

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8015

CHAPTER 6: COMPANY SPECIFIC ITEMS**6.1 RATE SCHEDULES****6.1.1 DELIVERY SYSTEM CHARGES****6.1.1.1 CHARGES FOR TRANSMISSION AND DISTRIBUTION SYSTEM SERVICE****6.1.1.1.1 RESIDENTIAL SERVICE****AVAILABILITY**

This schedule is applicable available to Retail Customers requesting Delivery Service for residential purposes of a permanent nature to individual private dwellings and to individually metered apartments Residential Purposes when such Delivery Service is to one Point of Delivery and measured through one Meter and, except as otherwise provided in this Rate Schedule, is not for shared or resale purposes.

TYPE OF SERVICE

Delivery Service will be single phase, 60 hertz, at a standard secondary voltage. Delivery Service will be metered using Company's standard watt-hour Meter provided for this type of Delivery Service. Any other metering option(s) will be provided at an additional charge. Where Delivery Service of the type desired is not available at the Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, of this Tariff.

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge	\$1,622.46	per Retail Customer Meter per Month
Metering Charge	\$3,852.07	per Retail Customer Meter per Month
Transmission System Charge	\$0.084390 015070	per kWh
Distribution System Charge	\$0.0164890 22650	per kWh

II. System Benefit Fund Charge: See Rider SBF**III. Transition Charge:** See Schedules TC, TC2, TC3, SRC, and TC5**IV. Nuclear Decommissioning Charge:** See Rider NDC**V. Transmission Cost Recovery**

Revision Number: 16th

Effective: 9/1/2017

ERRATA 1

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Redlined Chapter 2 & 6
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Chapter 6: Company Specific Items

Sheet No. 6.1

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8015

Factor:

See Rider TCRF

~~VI. Competition Transition Charge:~~

~~See Rider CTC~~

VII. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below) ~~\$(.001839, 001773)~~ per kWh

B. Rate Case Expenses Surcharge See Rider RCE

~~C. Advanced Metering System Surcharge~~ See Rider AMS

~~D.C. Recovery Factor~~ Energy Efficiency Cost
See Rider EECRF

~~D. Accumulated Deferred Federal Income Tax Credit~~ See Rider ADFITC

~~E. Distribution Cost Recovery Factor~~ See Rider DCRF
~~See Rider EECRF~~ See Rider UEDIT

~~F. Unprotected Excess Deferred Income Tax~~

COMPANY SPECIFIC APPLICATIONS

~~Residential~~ TERMS OF SERVICE

~~Type of Service. Where more than four family units or apartments are served through one Meter, billing will be under the applicable commercial. The standard Delivery Service under this Rate Schedule.~~

~~Service Voltages. will be single-phase, 60 hertz, at the Company's standard Secondary Distribution Voltage level for this type of service voltages are as described in Section 6.22, Standard Voltages 2.2 of this Tariff and in the Company's Service Standards. Three-phase service is not generally not available to residential for Residential Purposes. Retail Customers. Check desiring three-phase service for Residential Purposes should check with a Company representative to determine if three-phase service is available. Facilities for three-phase service under this Rate Schedule are Non-Standard Facilities as defined in the Company's Construction Services Policy.~~

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6.1.1.1.2 SECONDARY SERVICE LESS THAN OR EQUAL TO 10 KVAAVAILABILITY~~6.1.1.1.2~~ ~~6.1.1.1.1~~ ~~SECONDARY SERVICE LESS THAN OR EQUAL TO 10 KVA~~AVAILABILITY

This schedule is ~~applicable~~ available to Retail Customers requesting Delivery Service for non-residential purposes Residential Purposes at secondary voltage Secondary Distribution Voltage levels with a peak demand less than or equal to 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter and is not for shared or resale purposes. This schedule is also available to Retail Customers requesting Unmetered Services other than Lighting Services.

TYPE OF SERVICE

~~Delivery Service will be single phase, 60 hertz, at a standard secondary voltage. Delivery Service will be metered using Company's standard watt-hour Meter provided for this type of Delivery Service. Any other metering option(s) will be provided at an additional charge and/or will be provided by a Meter Owner other than the Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, in this Tariff.~~

MONTHLY RATEI. Transmission and Distribution Charges:

Customer Charge	\$1.612 ⁴⁴	per Retail Customer Meter per Month
Metering Charge	\$2.114 ⁴¹	per Retail Customer Meter per Month
Transmission System Charge	\$0.009020 ⁴⁴ 37	per kWh
Distribution System Charge	\$0.1551022 ¹⁸	per kWh

~~II. System Benefit Fund Charge:~~ See Rider SBF

~~III. Transition Charge:~~ See Schedules ~~TC~~, TC2, TC3, SRC, and TC5

~~IIIV. Nuclear Decommissioning Charge:~~ See Rider NDC

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IV. Transmission Cost Recovery Factor:

See Rider TCRF

~~**VI. Competition Transition Charge**~~

See Rider CTC

~~**VII. Other Charges or Credits:**~~A. Municipal Account Franchise Credit ~~\$(002052)~~ Per kWh
(see application and explanation below) ~~2161~~

B. Rate Case Expenses Surcharge See Rider RCE

~~C. Advanced Metering System Surcharge See Rider AMS~~~~D.C.~~ See Rider EECRF
Energy Efficiency Cost
Recovery Factor~~E.D.~~ See Rider ADFITC
Accumulated Deferred Federal
Income Tax Credit

See Rider DCRF

E. Distribution Cost Recovery Factor See Rider UEDIT

F. Unprotected Excess Deferred
Income Tax~~F.~~**COMPANY SPECIFIC APPLICATIONS****TERMS OF SERVICE**

Type of Service. The standard Delivery Service under this Rate Schedule will be single-phase, 60 hertz, at the Company's standard Secondary ~~Service Less Than~~ Distribution Voltage level for this type of service as described in Section 6.2.2 of this Tariff and in the Company's Service Standards. Facilities for three-phase service under this Rate Schedule are Non-Standard Facilities as defined in the Company's Construction Services Policy.

Metering Equipment. Except for Unmetered Service described below, Delivery Service under this Rate Schedule will be metered using Company's Standard Meter provided for this type of Delivery Service. Any other metering option(s) requested by Retail Customer will be provided at an additional charge and/or ~~Equal~~ will be provided by a Meter Owner other than the Company pursuant to ~~404VA~~ Applicable Legal Authorities.

Construction Services. Where Construction Services are required to initiate Delivery Service under this Rate Schedule, additional charges and special contract arrangements may be required

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6.1.1.1.2 SECONDARY SERVICE LESS THAN OR EQUAL TO 10 KVA

AVAILABILITY

6.1.1.1.2.1 SECONDARY SERVICE LESS THAN OR EQUAL TO 10 KVA

AVAILABILITY

This schedule is applicable to Retail Customers requesting Delivery Service for non-residential purposes at secondary voltage Secondary Distribution Voltage levels with a peak demand less than or equal to 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter and is not for shared or resale purposes. This schedule is also available to Retail Customers requesting Unmetered Services other than Lighting Services.

TYPE OF SERVICE

Delivery Service will be single-phase, 60 hertz, at a standard secondary voltage. Delivery Service will be metered using Company's standard watt-hour Meter provided for this type of Delivery Service. Any other metering option(s) will be provided at an additional charge and/or will be provided by a Meter Owner other than the Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, in this Tariff.

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge \$1,612.43 per Retail Customer Meter per Month

Metering Charge \$2,334.41 per Retail Customer Meter per Month

Transmission System Charge \$0.00443790 per kWh
10

Distribution System Charge \$0.01221854 per kWh
90

II. System Benefit Fund Charge: See Rider SBF

III. Transition Charge: See Schedules TC, TC2, TC3, SRC, and TC5

IV. Nuclear Decommissioning Charge: See Rider NDC

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IV. Transmission Cost Recovery Factor:

See Rider TCRF

~~VI. Competition Transition Charge~~

~~See Rider CTC~~

VII. Other Charges or Credits:

A. Municipal Account Franchise Credit ~~\$(.002058)~~ Per kWh
(see application and explanation below) ~~2464~~

B. Rate Case Expenses Surcharge See Rider RCE

~~C. Advanced Metering System Surcharge See Rider AMS~~

~~D.C.~~ See Rider EECRF
Energy Efficiency Cost
Recovery Factor

~~E.D.~~ See Rider ADFITC

Accumulated Deferred Federal
Income Tax Credit See Rider DCRF

E. Distribution Cost Recovery Factor See Rider UEDIT

F. Unprotected Excess Deferred
Income Tax
~~F.~~

COMPANY SPECIFIC APPLICATIONS

TERMS OF SERVICE

Type of Service. The standard Delivery Service under this Rate Schedule will be single-phase, 60 hertz, at the Company's standard Secondary Service ~~Less Than~~ Distribution Voltage level for this type of service as described in Section 6.2.2 of this Tariff and in the Company's Service Standards. Facilities for three-phase service under this Rate Schedule are Non-Standard Facilities as defined in the Company's Construction Services Policy.

Metering Equipment. Except for Unmetered Service described below, Delivery Service under this Rate Schedule will be metered using Company's Standard Meter provided for this type of Delivery Service. Any other metering option(s) requested by Retail Customer will be provided at an additional charge and/or ~~Fee~~ will be provided by a Meter Owner other than the Company pursuant to ~~10 kVA~~ Applicable Legal Authorities.

Construction Services. Where Construction Services are required to initiate Delivery Service under this Rate Schedule, additional charges and special contract arrangements may be required

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6.1.1.1.3 SECONDARY SERVICE GREATER THAN 10 KVA**AVAILABILITY**

This schedule is ~~applicable~~ available to Retail Customers requesting Delivery Service for non-residential purposes ~~Residential Purposes~~ at ~~secondary voltage~~ Secondary Distribution Voltage levels with a peak demand greater than 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter; ~~except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes.~~

TYPE OF SERVICE

~~Delivery Service will be single or three phase, 60 hertz, at a standard secondary voltage. Delivery Service will be metered using Company's standard Meter provided for this type of Delivery Service. Any Meter other than the standard Meter will be provided at an additional charge and/or will be provided by a Meter Owner other than the Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2. Construction Services, in this Tariff.~~

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge		
Non-IDR Metered	\$2,263.22	per Retail Customer Meter per
IDR Metered		
Metering Charge	\$65,8348.28	per Retail Customer Meter per
		Month
Non-IDR Metered	\$18,826.90	per Retail Customer Meter per
IDR Metered		Month
	\$62,0779.91	per Retail Customer Meter per
		Month
Transmission System Charge		
Non-IDR Metered		per NCP kVA
IDR Metered	\$1,43182.71	per 4CP kVA
	4020	
	\$2,23874.05	
	3080	
Distribution System Charge	\$2,0594204.1	per Billing kVA
	835020	

H. System Benefit Fund: See Rider SBF

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III. Transition Charge:	See Schedules TC , TC2, TC3, SRC, and TC5
IIIIV. Nuclear Decommissioning Charge:	See Rider NDC
IV. Transmission Cost Recovery Factor:	See Rider TCRF
VI. Competition Transition Charge:	See Rider CTC
VII. Competitive Metering Credit:	See Rider CMC
VIII. Other Charges or Credits:	
A. Municipal Account Franchise Credit (see application and explanation below)	\$(.894333) per Billing kVA 690362)
B. Rate Case Expenses Surcharge	See Rider RCE
C. Advanced Metering System Surcharge	See Rider AMS
D.C. Energy Efficiency Cost Recovery Factor	See Rider EECRF
E.D. Accumulated Deferred Federal Income Tax Credit	See Rider ADFITC
F.E. Distribution Cost Recovery Factor	See Rider DCRF
<u>F. Unprotected Excess Deferred Income Tax</u>	<u>See Rider UEDIT</u>

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CNP 8017

6.1.1.1.3 SECONDARY SERVICE GREATER THAN 10 KVA

AVAILABILITY

This schedule is ~~applicable~~ available to Retail Customers requesting Delivery Service for non-residential purposes ~~Residential Purposes~~ at secondary voltage ~~Secondary Distribution Voltage~~ levels with a peak demand greater than 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter; ~~except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes.~~

TYPE OF SERVICE

~~Delivery Service will be single or three phase, 60 hertz, at a standard secondary voltage. Delivery Service will be metered using Company's standard Meter provided for this type of Delivery Service. Any Meter other than the standard Meter will be provided at an additional charge and/or will be provided by a Meter Owner other than the Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, in this Tariff.~~

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge		
Non-IDR Metered	\$2,263.20	per Retail Customer Meter per
IDR Metered		
Metering Charge	\$65,834.99	per Retail Customer Meter per
		Month
Non-IDR Metered	\$18,827.65	per Retail Customer Meter per
IDR Metered		Month
	\$63,079.90	per Retail Customer Meter per
		Month
Transmission System Charge		
Non-IDR Metered		per NCP kVA
IDR Metered	\$1,431,827.17	per 4CP kVA
	\$2,238,740.96	
Distribution System Charge	\$3,059,429.83	per Billing kVA
	1,300	

II. System Benefit Fund:

See Rider SBF

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III. Transition Charge:	See Schedules TC , TC2, TC3, SRC, and TC5
<u>IIIV. Nuclear Decommissioning Charge:</u>	See Rider NDC
<u>IV. Transmission Cost Recovery Factor:</u>	See Rider TCRF
<u>VI. Competition Transition Charge:</u>	See Rider CTC
VII. Competitive Metering Credit:	See Rider CMC
VIII. Other Charges or Credits:	
A. Municipal Account Franchise Credit (see application and explanation below)	<u>\$(-.897049</u> per Billing kVA <u>690362)</u>
B. Rate Case Expenses Surcharge	See Rider RCE
C. Advanced Metering System Surcharge	See Rider AMS
<u>D.C. Energy Efficiency Cost Recovery Factor</u>	See Rider EECRF
<u>E.D. Accumulated Deferred Federal Income Tax Credit</u>	See Rider ADFITC
<u>F.E. Distribution Cost Recovery Factor</u>	See Rider DCRF
<u>F. Unprotected Excess Deferred Income Tax</u>	See Rider UEDIT

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

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6.1.1.1.4 PRIMARY SERVICE**AVAILABILITY**

This schedule is ~~applicable to~~ available to Retail Customers requesting Delivery Service for non-residential purposes ~~Residential Purposes~~ at primary voltage ~~Primary Distribution Voltage levels~~ when such Delivery Service is to one Point of Delivery and measured through one Meter.

TYPE OF SERVICE

Delivery Service will be single or three phase, 60 hertz; ~~except that, at a standard primary voltage, Delivery Service will be metered using Company's standard Meter provided for this type of Delivery Service. Any Meter other than option, locations where the standard Meter will be provided at an additional charge and/or will be provided by a Meter Owner other than the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the facility limitations or design criteria, may be considered one Point of Delivery; additional charges for billing purposes; and special contract arrangements may be required prior to provided, however, that Delivery Service being furnished, pursuant under this schedule is available only to Section 6.1.2.2, Construction Services, of this Tariff.~~ Retail Customers able to take Delivery Service directly from feeder lines of at least 12,470 volts but less than 60,000 volts.

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge		
Non-IDR Metered	\$	per Retail Customer Meter per Month
IDR Metered	3,584.83	
Metering Charge	\$	per Retail Customer Meter per Month
	76,7361.2	
	6	
Non-IDR Metered	\$181,3528	per Retail Customer Meter per Month
IDR Metered	5.55	per Retail Customer Meter per Month
	\$138,4010	
	8.72	
Transmission System Charge		
Non-IDR Metered		per NCP kVA
IDR Metered	\$1,70332	per 4CP kVA
	735920	
	\$2,15463	
	940530	
Distribution System Charge	\$2,002820	per Billing kVA
	2,524410	

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II.	System Benefit Fund:	See Rider SBF
III. <u>II.</u>	Transition Charge:	See Schedules TC , TC2, TC3, SRC, and TC5
III. <u>IV.</u>	Nuclear Decommissioning Charge:	See Rider NDC
V.	Transmission Cost Recovery Factor:	See Rider TCRF
VI.	Competition Transition Charge:	See Rider CTC
VII.	Competitive Metering Credit:	See Rider CMC
VIII.	Other Charges or Credits:	
	A. Municipal Account Franchise Credit (see application and explanation below)	\$(-8943336 per Billing kVA 99012)
	B. Rate Case Expenses Surcharge	See Rider RCE
	C. Advanced Metering System Surcharge	See Rider AMS
	D. Energy Efficiency Cost Recovery Factor	See Rider EECRF
	E. Accumulated Deferred Federal Income Tax Credit	See Rider ADFITC
	F. Distribution Cost Recovery Factor	See Rider DCRF
	G. <u>Unprotected Excess</u> <u>Deferred Income Tax</u>	<u>See Rider UEDIT</u>

COMPANY SPECIFIC APPLICATIONS TERMS OF SERVICE

DETERMINATION OF BILLING DEMAND FOR TRANSMISSION SYSTEM CHARGES

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6.1.1.1.4 PRIMARY SERVICE

AVAILABILITY

This schedule is ~~applicable to~~ available to Retail Customers requesting Delivery Service for non-residential purposes Residential Purposes at primary voltage Primary Distribution Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter.

TYPE OF SERVICE

~~Delivery Service will be single or three phase, 60 hertz, except that, at a standard primary voltage, Delivery Service will be metered using Company's standard Meter provided for this type of Delivery Service. Any Meter other than option, locations where the standard Meter will be provided at an additional charge and/or will be provided by a Meter Owner other than the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the facility limitations or design criteria, may be considered one Point of Delivery, additional charges for billing purposes, and special contract arrangements may be required prior to provided, however, that Delivery Service being furnished, pursuant under this schedule is available only to Section 6.1.2.2, Construction Services, of this Tariff.~~ Retail Customers able to take Delivery Service directly from feeder lines of at least 12,470 volts but less than 60,000 volts.

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge		
Non-IDR Metered	\$	per Retail Customer Meter per
IDR Metered	3,584.80	Month
Metering Charge	\$	per Retail Customer Meter per
	76,7360.8	Month
	5	
Non-IDR Metered	\$184,3528	per Retail Customer Meter per
IDR Metered	7.29	Month
	\$138,4019	per Retail Customer Meter per
	8.71	Month
Transmission System Charge		
Non-IDR Metered		per NCP kVA
IDR Metered	\$1,70332	per 4CP kVA
	7335	
	\$2,15463	
	9371	
Distribution System Charge	\$2,0028202	per Billing kVA
	523170	

II. System Benefit Fund:

See Rider SBF

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III II. Transition Charge:	See Schedules TC , TC2, TC3, SRC, and TC5
III IV. Nuclear Decommissioning Charge:	See Rider NDC
V. Transmission Cost Recovery Factor:	See Rider TCRF
VI. Competition Transition Charge:	See Rider CTC
VII. Competitive Metering Credit:	See Rider CMC
VIII. Other Charges or Credits:	
A. Municipal Account Franchise Credit (see application and explanation below)	\$(5874866 99012) per Billing kVA
B. Rate Case Expenses Surcharge	See Rider RCE
C. Advanced Metering System Surcharge	See Rider AMS
D. Energy Efficiency Cost Recovery Factor	See Rider EECRF
E. Accumulated Deferred Federal Income Tax Credit	See Rider ADFITC
F. Distribution Cost Recovery Factor	See Rider DCRF
G. <u>Unprotected Excess Deferred Income Tax</u>	<u>See Rider UEDIT</u>

COMPANY SPECIFIC APPLICATIONS
TERMS OF SERVICE

DETERMINATION OF BILLING DEMAND FOR TRANSMISSION SYSTEM CHARGES

Application of IDR Metered Charges The IDR Metered charges listed in the Monthly Rate section of this Rate Schedule are applicable to Retail Customers who have established an NCP demand

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6.1.1.1.5 TRANSMISSION SERVICE**AVAILABILITY**

This schedule is ~~applicable to available to Retail Customers requesting Delivery Service for non-residential purposes~~ Residential Purposes at ~~transmission voltage~~ Transmission Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter.

TYPE OF SERVICE

Delivery Service will be ~~three phase, 60 hertz, except that, at a standard transmission voltage. Delivery Service will be metered using Company's standard meter provided for this type of Delivery Service. Any meter other than option, locations where the standard meter will be provided at an additional charge and~~ Retail Customer's Electrical Installation or will be provided by a Meter Owner other than the Premises has multiple connections to Company's Delivery System, due to Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the facility limitations or design criteria, may be considered one Point of Delivery; additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, of this Tariff for billing purposes.

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge	\$154.44 94	Per Retail Customer Meter per month
Metering Charge	\$149.82 56.82	Per Retail Customer Meter per month
Transmission System Charge	\$2.11 0.270	Per 4 CP kVA
Distribution System Charge	\$0.46 0.3	Per 4 CP kVA

~~II. System Benefit Fund Charge:~~ See Rider SBF

III. Transition Charge: See Schedules TC, TC2, TC3, and TC5

IV. Nuclear Decommissioning Charge: See Rider NDC

V. Transmission Cost Recovery Factor: See Rider TCRF

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VI. Competition Transition Charge:	See Rider CTC
VII. Competitive Metering Credit:	See Rider CMC
VIII. Other Charges or Credits:	
A. Municipal Account Franchise Credit (see application and explanation below)	\$(.0007777 Per kWh 25)
B. Rate Case Expenses Surcharge	See Rider RCE
C. Energy Efficiency Cost Recovery Factor	See Rider EECRF
D. Distribution Cost Recovery Factor	See Rider DCRF
E. <u>Unprotected Excess Deferred Income Tax</u>	<u>See Rider UEDIT</u>

COMPANY SPECIFIC APPLICATIONS
TERMS OF SERVICE

DETERMINATION OF BILLING DEMAND FOR TRANSMISSION SYSTEM CHARGES AND DISTRIBUTION SYSTEM CHARGES

Determination of NCP kVA The NCP kVA applicable under the Monthly Rate section shall be the kVA supplied during the 15 minute period of maximum use during the billing month.

Determination Of 4 CP kVA The 4 CP kVA applicable under the Monthly Rate section shall be the average of the Retail Customer's integrated 15 minute demands at the time of the monthly ERCOT system 15-minute peak demand for the months of June, July, August and September of the previous calendar year. The Retail Customer's average 4CP demand will be updated effective with the February billing month of each year and remain fixed for a year. Retail Customer's previous metered usage under this or any other rate schedule will be used, as needed, in determining the billing determinants under the Monthly Rate section. Retail Customers without previous history on which to determine their 4 CP kVA will be billed based on estimated 4 CP kVA in accordance with the following procedures:

- (a) Retail Customers having IDR data for fewer than 4 CP kVA, but at least 2 CP kVA, will be billed based on the average of the actual CP kVA, so long as the CP kVA are representative of the Retail Customer's expected

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CNP 8019

6.1.1.1.5 TRANSMISSION SERVICE

AVAILABILITY

This schedule is applicable to ~~available to~~ Retail Customers requesting Delivery Service for non-residential purposes ~~Residential Purposes~~ at ~~transmission voltage~~ Transmission Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter.

TYPE OF SERVICE

~~Delivery Service will be three-phase, 60 hertz, except that, at a standard transmission voltage. Delivery Service will be metered using Company's standard meter provided for this type of Delivery Service. Any meter other than option, locations where the standard meter will be provided at an additional charge and/Retail Customer's Electrical Installation or will be provided by a Meter Owner other than the Premises has multiple connections to Company's Delivery System, due to Company pursuant to Applicable Legal Authorities. Where Delivery Service of the type desired is not available at the facility limitations or design criteria, may be considered one Point of Delivery, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to Section 6.1.2.2, Construction Services, of this Tariff for billing purposes.~~

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge	\$154.44 <u>221.58</u>	Per Retail Customer Meter per month
Metering Charge	\$1449.82 <u>1456.99</u>	Per Retail Customer Meter per month
Transmission System Charge	\$2.11 <u>884.71</u> <u>62</u>	Per 4 CP kVA
Distribution System Charge	\$0.4633 <u>965.94</u> <u>950</u>	Per 4 CP kVA

~~II. System Benefit Fund Charge:~~ See Rider SBF

III. Transition Charge: See Schedules TC, TC2, TC3, and TC5

IV. Nuclear Decommissioning Charge: See Rider NDC

V. Transmission Cost Recovery Factor: See Rider TCRF

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VI. Competition Transition Charge:	See Rider CTC
VII. Competitive Metering Credit:	See Rider CMC
VIII. Other Charges or Credits:	
A. Municipal Account Franchise Credit (see application and explanation below)	\$(.0007797 25) Pcr kWh
B. Rate Case Expenses Surcharge	See Rider RCE
C. Energy Efficiency Cost Recovery Factor	See Rider EECRF
D. Distribution Cost Recovery Factor	See Rider DCRF
<u>E. Unprotected Excess Deferred Income Tax</u>	<u>See Rider UEDIT</u>

~~COMPANY SPECIFIC APPLICATIONS~~ TERMS OF SERVICE

DETERMINATION OF BILLING DEMAND FOR TRANSMISSION SYSTEM CHARGES AND DISTRIBUTION SYSTEM CHARGES

Determination of NCP kVA The NCP kVA applicable under the Monthly Rate section shall be the kVA supplied during the 15 minute period of maximum use during the billing month.

Determination Of 4 CP kVA The 4 CP kVA applicable under the Monthly Rate section shall be the average of the Retail Customer's integrated 15 minute demands at the time of the monthly ERCOT system 15-minute peak demand for the months of June, July, August and September of the previous calendar year. The Retail Customer's average 4CP demand will be updated effective with the February billing month of each year and remain fixed for a year. Retail Customer's previous metered usage under this or any other rate schedule will be used, as needed, in determining the billing determinants under the Monthly Rate section. Retail Customers without previous history on which to determine their 4 CP kVA will be billed based on estimated 4 CP kVA in accordance with the following procedures:

- (a) Retail Customers having IDR data for fewer than 4 CP kVA, but at least 2 CP kVA, will be billed based on the average of the actual CP kVA, so long as the CP kVA are representative of the Retail Customer's expected

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CenterPoint Energy Houston Electric, LLC

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load, as derived from engineering estimates. If the CP kVA are not representative of the expected load, the estimated 4 CP kVA will be set based on mutual agreement between the Retail Customer and the Company.

- (b) Retail Customers that do not have at least 2 CP kVA will be billed by estimating the Retail Customer's 4 CP kVA demand by applying a class coincidence factor to the Retail Customer's NCP kVA, using the formula:

Estimated 4 CP kVA = (NCP kVA * TCCF) where:

NCP kVA is the highest 15-minute integrated demand of an individual Retail Customer served at transmission voltage during the month; and

TCCF is the transmission class coincidence factor for the months June, July, August, and September calculated from the Company's most recent general rate case proceeding using the following formula:

$$\text{TCCF} = \frac{\sum \text{Class CP kVA for June, July, August, September}}{\sum \text{Class NCP kVA for June, July, August, September}} = \frac{0.652679}{.784009}$$

Where:

Class CP kVA is the transmission voltage rate class' 15-minute demand at the time of the ERCOT CP and Class NCP kVA is the transmission voltage class' maximum 15-minute demand during a month.

Determination of Billing kVA The Billing kVA applicable to the Distribution System Charge shall be the higher of the NCP kVA for the current billing month or 80% of the highest monthly NCP kVA established in the 11 months preceding the current billing month (80% ratchet). The 80% ratchet shall not apply to seasonal agricultural Retail Customers.

OTHER PROVISIONS

Type of Service. The standard Delivery Service under this Rate Schedule will be three-phase, 60 hertz, at the Company's standard Transmission Service. The Voltage levels described in Section 6.2.2 of this Tariff and in the Service Standards.

Metering Equipment. Delivery Service under this Rate Schedule will be metered using Company's Standard Meter provided for this type of Delivery Service. Any other metering option(s) requested by Retail Customer will be provided at an additional charge and/or will be provided by a Meter Owner other than the Company pursuant to Applicable Legal Authorities. The Company may install remote metering equipment to obtain information with which to determine the amount of the monthly bill. owns, operates, and maintains Retail Customer may have metering instruments installed to check the service supplied under this Rate Schedule in accordance with the provisions of the Tariff.

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4,800 Lumen	45	\$2.54	\$16.91	N/A	\$13.70	N/A	17
LED Alternative For 250W High Pressure Sodium							
15,100 Lumen	180	\$5.15	\$17.75	\$11.66	\$19.75	\$13.15	64
2nd LED Alternative For 250W High Pressure Sodium							
10,850 Lumen	115	\$5.15	\$17.75	\$11.66	\$19.75	\$13.15	38
LED Alternative For 150W High Pressure Sodium							
7,900 Lumen	95	\$3.64	\$16.20	\$10.77	\$15.80	\$10.40	32
LED Alternative For 100W High Pressure Sodium							
4,800 Lumen	45	\$3.64	\$16.20	N/A	\$12.92	\$8.88	17
LED Alternative For 70W High Pressure Sodium							
4,800-900 Lumen	45-20	\$3.58	N/A \$16.13	N/A	\$12.46	N/A	17
LED Alternative For 400W Metal Halide							
15,100 Lumen	180	\$9.49	N/A	N/A	\$23.94	\$18.56	64
LED Alternative For 250W Metal Halide							
15,100 Lumen	180	\$10.34	N/A	N/A	\$26.43	\$18.35	64
2nd LED Alternative For 250W Metal Halide							
10,850 Lumen	115	\$10.34	N/A	N/A	\$26.43	\$18.35	38
LED Alternative For 175W Metal Halide							
7,900 Lumen	95	\$11.01	N/A	N/A	\$23.52	\$17.09	32
LED Alternative For 100W Metal Halide							
4,800 Lumen	45	\$11.60	N/A	N/A	\$23.29	\$19.68	17

*The initial rate levels shown in this Rate Schedule for LED luminaires are subject to change, perhaps significantly, in the next Cost of Service rate filing.

Lamp Type		Schedule A*	Schedule B*	Schedule C*	Schedule D*	Schedule E*	Monthly kWh
Initial Lumen	Watt (Bulb Only)						
Mercury Vapor							
22,600 Lumen	400	\$4.43	\$18.93	N/A	\$13.20	\$11.78	150
7,800 Lumen	175	\$2.88	N/A	N/A	\$12.64	N/A	60
4,200 Lumen	100	\$2.00	\$18.15	N/A	\$12.67	N/A	41
High Pressure Sodium Vapor							
50,000 Lumen	400	\$4.40	\$18.00	N/A	\$13.17	\$11.75	160
28,000 Lumen	250	\$4.27	\$18.77	\$10.33	\$13.04	\$11.62	106
15,000 Lumen	150	\$4.15	\$18.64	\$10.20	\$12.92	\$11.50	58
9,500 Lumen	100	\$4.13	\$18.50	N/A	\$12.90	\$11.48	38
6,000 Lumen	70	\$4.00	\$18.50	N/A	\$12.86	N/A	29
Metal Halide							

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22,200 Lumen	400	\$5.41	N/A	N/A	\$19.43	\$16.00	159
19,475 Lumen	250	\$10.00	N/A	N/A	\$18.62	\$15.17	96
12,900 Lumen	175	\$6.00	N/A	N/A	\$16.70	\$14.33	70
7,900 Lumen	100	\$7.30	N/A	N/A	\$16.00	\$13.62	40
Light Emitting Diode (LED)							
15,100 Lumen	180	\$5.23	N/A	N/A	\$7.01	\$25.73	64
10,850 Lumen	115	\$4.79	\$19.24	\$22.27	\$13.58	\$12.44	28
7,900 Lumen	95	\$4.39	\$18.84	\$10.73	\$13.18	\$12.03	22
4,800 Lumen	45	\$3.94	\$18.39	N/A	\$12.73	\$11.59	17
2,000 Lumen	20	\$3.94	N/A	N/A	\$12.73	N/A	8

* DESCRIPTION OF LIGHTING CONFIGURATIONS

- Schedule A -one or more lamps/luminaires Lamps mounted on existing distribution poles and served by overhead conductors.
- Schedule B -single lamp/luminaireSchedule B -single Lamp mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule C -twin lamps/luminaires mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule C -twin Lamps mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule D -single lamp/luminaireLamp mounted on ornamental standard and served by underground conductors, or decorative residential streetlights.
- Schedule E -twin lamps/luminairesLamps mounted on ornamental standard and served by underground conductors.

- ~~II. System Benefit Fund Charge:~~ See Rider SBF
- III. Transition Charge: See Schedules ~~TC~~, TC2, TC3, SRC, and TC5
- IV. Nuclear Decommissioning Charge: See Rider NDC
- V. Transmission Cost Recovery Factor: See Rider TCRF
- ~~VI. Competition Transition Charge~~ See Rider CTC

~~VII~~ Other Charges or Credits:

- A. Municipal Account Franchise Credit (see application and explanation below) \$(-.002168) Per kWh

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4,800 Lumen	45	\$3.54	\$16.91	N.A.	\$13.79	N.A.	17
LED Alternative For 250W High Pressure Sodium							
15,100 Lumen	180	\$5.15	\$17.75	\$11.66	\$10.75	\$13.15	64
2nd LED Alternative For 250W High Pressure Sodium							
10,950 Lumen	115	\$5.15	\$17.75	\$11.66	\$10.75	\$13.15	38
LED Alternative For 150W High Pressure Sodium							
7,900 Lumen	95	\$3.64	\$16.20	\$10.77	\$15.89	\$10.40	32
LED Alternative For 100W High Pressure Sodium							
4,800 Lumen	45	\$3.64	\$16.20	N.A.	\$12.02	\$8.88	17
LED Alternative For 70W High Pressure Sodium							
4,900-9,000 Lumen	45-200	\$2.58	N.A. \$16.13	N.A.	\$12.46	N.A.	17-2
LED Alternative For 100W Metal Halide							
15,100 Lumen	180	\$9.49	N.A.	N.A.	\$23.91	\$18.56	64
LED Alternative For 250W Metal Halide							
15,100 Lumen	180	\$10.34	N.A.	N.A.	\$26.13	\$18.35	64
2nd LED Alternative For 250W Metal Halide							
10,950 Lumen	115	\$10.34	N.A.	N.A.	\$26.13	\$18.35	38
LED Alternative For 175W Metal Halide							
7,900 Lumen	95	\$11.01	N.A.	N.A.	\$23.52	\$17.09	32
LED Alternative For 100W Metal Halide							
4,800 Lumen	45	\$11.69	N.A.	N.A.	\$23.29	\$19.68	17

The initial rate levels shown in this Rate Schedule for LED luminaires are subject to change, perhaps significantly, in the next Cost of Service rate filing.

Lamp Type		Schedule	Schedule	Schedule	Schedule	Schedule	Monthly
Initial Lumen	Watt	A*	B*	C*	D*	E*	KWH
(Bulb Only)							
Mercury Vapor							
22,600 Lumen	400	\$4.42	\$18.83	N.A.	\$13.14	\$11.73	150
7,800 Lumen	175	\$3.87	N.A.	N.A.	\$12.58	N.A.	62
4,200 Lumen	100	\$3.89	\$18.36	N.A.	\$12.61	N.A.	41
High Pressure Sodium Vapor							
50,000 Lumen	400	\$4.39	\$18.80	N.A.	\$13.11	\$11.70	160
28,000 Lumen	250	\$4.26	\$18.67	\$10.28	\$12.98	\$11.57	106
15,000 Lumen	150	\$4.14	\$18.55	\$10.15	\$12.85	\$11.44	58
9,500 Lumen	100	\$4.12	\$18.50	N.A.	\$12.83	\$11.42	38
6,000 Lumen	70	\$4.08	\$18.49	N.A.	\$12.80	N.A.	29
Metal Halide							

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32,200 Lumen	400	\$5.40	N.A.	N.A.	\$19.36	\$15.94	159
19,475 Lumen	250	\$10.00	N.A.	N.A.	\$18.55	\$15.12	96
12,900 Lumen	175	\$7.99	N.A.	N.A.	\$16.63	\$14.27	70
7,900 Lumen	100	\$7.29	N.A.	N.A.	\$15.93	\$13.57	40
Light Emitting Diode (LED)							
15,100 Lumen	180	\$5.20	N.A.	N.A.	\$6.97	\$25.60	64
10,850 Lumen	115	\$4.77	\$19.21	\$22.16	\$13.51	\$12.37	38
7,900 Lumen	95	\$4.37	\$18.81	\$10.68	\$13.11	\$11.97	32
4,800 Lumen	45	\$3.93	\$18.36	N.A.	\$12.67	\$11.53	17
2,000 Lumen	20	\$3.93	N.A.	N.A.	\$12.67	N.A.	8

* DESCRIPTION OF LIGHTING CONFIGURATIONS

- Schedule A -one or more lamps/luminaires mounted on existing distribution poles and served by overhead conductors.
- Schedule B -single lamp/luminaire mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule C -twin lamps/luminaires mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule D -single lamp/luminaire mounted on ornamental standard and served by underground conductors, or decorative residential streetlights.
- Schedule E -twin lamps/luminaires mounted on ornamental standard and served by underground conductors.

~~II. System Benefit Fund Charge:~~ See Rider SBF

III. Transition Charge: See Schedules TC, TC2, TC3, SRC, and TC5

IV. Nuclear Decommissioning Charge: See Rider NDC

V. Transmission Cost Recovery Factor: See Rider TCRF

~~VI. Competition Transition Charge~~ See Rider CTC

VIII. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below) \$(.002168) Per kWh

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<u>A. Municipal Account Franchise Credit (see application and explanation below)</u>	<u>\$(0015922)</u> <u>168</u>	<u>Per kWh</u>
B. Rate Case Expenses Surcharge		See Rider RCE
C. Energy Efficiency Cost Recovery Factor		See Rider EECRF
D. Accumulated Deferred Federal Income Tax Credit		See Rider ADFITC
E. Distribution Cost Recovery Factor		See Rider DCRF
F. <u>Unprotected Excess Deferred Income Tax</u>		<u>See Rider UEDIT</u>

OTHER PROVISIONS

Municipal Account Franchise Credit. A credit equal to the amount of franchise fees included in the Transmission and Distribution Charges will be applied to municipal accounts receiving service within the incorporated limits of such municipality which imposes a municipal franchise fee upon the Company based on the kWh within that municipality and who have signed an appropriate Franchise Agreement.

Mercury Vapor Lighting. Additional mercury vapor lighting is no longer being installed. Conversion to LED. Existing mercury vapor installations non-LED Lamps will be converted to their LED equivalent at no cost to Retail Customer during the normal course of maintenance when individual lamps burn out. Mercury vapor installations will be converted to high pressure sodium lamps or LED equivalents, depending upon the standard street light installation, as selected by the Retail Customer, for the area in which the mercury vapor light resides, at no upfront cost to the Company and Retail Customer.

agree on

LED Street Lights. At this time there is not an LED replacement option for all existing Lamp Types. The rate at which LED street lights are converted or installed will be at the sole discretion of the Company, may be based upon a negotiated deployment different conversion schedule, and will reflect, at a minimum, the capital requirements associated with the project, any customer required contribution in aid of construction, the physical capability to replace/install the LED street lights, and the availability of manufacturers to supply the requested LED luminaires.

LED street lights are an emerging technology with no established industry standard. LED Street Lamp Lumen Levels. By choosing an LED street lighting option, Retail Customer (1) acknowledges this fact and

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A. Municipal Account \$(001597 Per kWh
 Franchise Credit (see 2468)
 application and
 explanation below)

B. Rate Case Expenses See Rider RCE
 Surcharge

C. Energy Efficiency Cost See Rider EECRF
 Recovery Factor

D. Accumulated Deferred See Rider ADFITC
 Federal Income Tax
 Credit

E. Distribution Cost See Rider DCRF
 Recovery Factor

F. Unprotected Excess See Rider UEDIT
 Deferred Income Tax

OTHER PROVISIONS

Municipal Account Franchise Credit. A credit equal to the amount of franchise fees included in the Transmission and Distribution Charges will be applied to municipal accounts receiving service within the incorporated limits of such municipality which imposes a municipal franchise fee upon the Company based on the kWh within that municipality and who have signed an appropriate Franchise Agreement.

~~Mercury Vapor Lighting. Additional mercury vapor lighting is no longer being installed. Conversion to LED. Existing mercury vapor installations non-LED Lamps will be converted to their LED-equivalent at no cost to Retail Customer during the normal course of maintenance when individual lamps burn out. Mercury vapor installations will be converted to high pressure sodium lamps or LED equivalents, depending upon the standard street light installation, as selected by the Retail Customer, for the area in which the mercury vapor light resides, at no upfront cost to the unless Company and Retail Customer.~~
agree on

LED Street Lights. At this time there is not an LED replacement option for all existing Lamp Types. The rate at which LED street lights are converted or installed will be at the sole discretion of the Company. may be based upon a negotiated deployment (different conversion schedule, and will reflect, at a minimum, the capital requirements associated with the project, any customer required contribution in aid of construction, the physical capability to replace/install the LED street lights, and the availability of manufacturers to supply the requested LED luminaires.

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~~The lighting fixtures served under this rate schedule will be served~~ Miscellaneous Lighting Service is provided as an Unmetered Service at Company's standard secondary distribution voltages as determined by Company. This tariff is applicable to any Retail Customer receiving un-metered service for one or more Owned and Company approved lighting fixtures. Owned Fixtures which operate automatically every night from dusk to dawn and can be either: (1.) a Customer Owned Fixture or (2.) a Company Owned Fixture. The Company will install, make electrical connection(s), and maintain the lighting fixture(s), whether Customer Owned or Company Owned.

Charges for services shall commence on the date that the electrical connection is made.

MONTHLY RATE**I. Transmission and Distribution Charges**

In addition to the installations charges described below for Customer Owned Fixtures, the following monthly charges apply to Miscellaneous Lighting Service.

- A. Only the T&D Charge below is applicable to Customer Owned Installations.
- B. The T&D Charge and the Fixture Charge below are applicable to Company Owned Installations. In addition to the T&D Charge and the Fixture Charge for each lamp type in the table below, an additional charge of \$2.55 per month is charged for a span of secondary which was installed exclusively for Miscellaneous Lighting Service and Retail Customer did not reimburse Company for construction cost (applies only to installations existing as of 1-1-2002).

	T&D	LUMEN	TOTAL	FIXTURE	MONTHLY
TYPE OF LAMP	CHARGE	RATING	WATTAGE	CHARGE ¹	KWH
<u>Floodlighting/Directional Lighting</u>					
<u>High Pressure Sodium</u>					
High Pressure Sodium (150 watts)	\$3.57	15,000	185	\$4.34	61
High Pressure Sodium (250 watts)	\$4.34	28,000	215	\$5.19	105
High Pressure Sodium (400 watts)	\$3.89	50,000	475	\$4.69	158
High Pressure Sodium (1,000 watts)	\$7.29	140,000	1,100	N/A	367
<u>Light Emitting Diode (LED)</u>					
Light Emitting Diode (40 watts)	\$3.57	4,800	40	\$4.34	14
<u>LED Alternative For 150W High Pressure Sodium</u>					
Light Emitting Diode (70 watts)	\$4.34	7,000	70	\$5.19	24
<u>LED Alternative For 250W High Pressure Sodium</u>					

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Light Emitting Diode (100 watts)	\$2.90	11,300	100	\$1.60	33
LED Alternative For 400W High Pressure Sodium					
Light Emitting Diode (175 watts)	\$7.29	15,100	175	N/A	58
LED Alternative For 1,000W High Pressure Sodium					
Metal Halide (175w) (no new installations)	\$9.73	12,900	210	N/A	70
Metal Halide (250w) (no new installations)	\$17.95	19,475	294	N/A	98
Metal Halide (400 w) (no new installations)	\$7.22	22,200	476	N/A	150
Metal Halide (1,000w) (no new installations)	\$14.08	104,500	1,100	N/A	367
Roadway/General Lighting					
High Pressure Sodium (150 watts)	\$2.42	15,000	185	\$2.79	61
Light Emitting Diode (95 watts)	\$2.43	7,000	95	\$2.79	32
LED Alternative For 150W High Pressure Sodium					
Guard Lighting					
High Pressure Sodium (100 watts)	\$2.42	9,500	120	\$2.79	40
Light Emitting Diode (40 watts)	\$2.42	4,800	40	\$2.79	14
LED Alternative For 100W High Pressure Sodium					

TYPE OF LAMP	T&D CHARGE	LUMEN RATING	TOTAL WATTAGE	FIXTURE CHARGE ¹	MONTHLY KWH
Floodlighting/Directional Lighting					
High Pressure Sodium					
High Pressure Sodium (150 watts)	\$4.20	15,000	185	\$4.15	61
High Pressure Sodium (250 watts)	\$4.62		28,000	315	\$4.46
105					
High Pressure Sodium (400 watts)	\$4.74		50,000	475	\$4.55
158					
High Pressure Sodium (1,000 watts)	\$9.27	140,000	1,100	N/A	367
Light Emitting Diode (LED)					
Light Emitting Diode (40 watts)		4,800	40		14
LED Alternative For 150W High Pressure Sodium					
Light Emitting Diode (70 watts)		7,000	70		24
LED Alternative For 250W High Pressure Sodium					
Light Emitting Diode (100 watts)		11,300	100		33
LED Alternative For 400W High Pressure Sodium					

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Light Emitting Diode (175 watts)	15,100	175	58
LED Alternative For 1,000W High Pressure Sodium			
Metal Halide (175 watts/175w) (no new installations)	\$10.71	12,900	210
Metal Halide (250 watts/250w) (no new installations)	\$19.17	19,475	294
Metal Halide (400 watts/400w) (no new installations)	\$7.81	32,200	476
Metal Halide (1,000 watts/1000w) (no new installations)	\$17.79	104,500	1,100
367			N/A
Roadway/General Lighting			
High Pressure Sodium (150 watts)	\$2.81	15,000	183
			\$ 2.70
			61
Light Emitting Diode (95 watts)		7,900	32
LED Alternative For 150W High Pressure Sodium			
Guard Lighting			
High Pressure Sodium (100 watts)	\$2.81	9,500	120
			\$ 2.70
			40
Mercury Vapor (no new installations)	\$2.81	7,800	215
Light Emitting Diode (40 watts)		4,800	72
			Light
			14
LED Alternative For 100W High Pressure Sodium			

¹ Applies only to Company Owned Fixtures that are Company-owned and installed prior to September 1, 2000.

- II. System Benefit Fund Charge:** See Rider SBF
- III. Transition Charge:** See Schedules TC, TC2, TC3, SRC, and TC5
- IV. Nuclear Decommissioning Charge:** See Rider NDC
- V. Transmission Cost Recovery Factor:** See Rider TCRF
- VI. Competition Transition Charge:** See Rider CTC
- VII. Other Charges or Credits:**
 - A. Municipal Account Franchise Credit (see application and explanation below) ~~\$(0.023650)~~ Per kWh
02343)

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TYPE OF SERVICE

~~The lighting fixtures served under this rate schedule will be served~~ Miscellaneous Lighting Service is provided as an Unmetered Service at Company's standard secondary distribution voltages as determined by Company. This tariff is applicable to any Retail Customer — receiving an metered service for one or more Owned and Company approved lighting fixtures. Owned Fixtures which operate automatically every night from dusk to dawn and can be either: (1.) a Customer Owned Fixture or (2.) a Company Owned Fixture. The Company will install, make electrical connection(s), and maintain the lighting fixture(s); whether Customer Owned or Company Owned.

Charges for services shall commence on the date that the electrical connection is made.

MONTHLY RATE

I. Transmission and Distribution Charges

In addition to the installations charges described below for Customer Owned Fixtures, the following monthly charges apply to Miscellaneous Lighting Service.

- A. Only the T&D Charge below is applicable to Customer Owned Installations.
- B. The T&D Charge and the Fixture Charge below are applicable to Company Owned Installations. In addition to the T&D Charge and the Fixture Charge for each lamp type in the table below, an additional charge of \$2.3855 per month is charged for a span of secondary which was installed exclusively for Miscellaneous Lighting Service and Retail Customer did not reimburse Company for construction cost (applies only to installations existing as of 1-1-2002).

	T&D	LUMEN	TOTAL	FIXTURE	MONTHLY
TYPE OF LAMP	CHARGE	RATING	WATTAGE	CHARGE ¹	KWH
<u>Floodlighting/Directional Lighting</u>					
<u>High Pressure Sodium</u>					
High Pressure Sodium (150 watts)	\$3.56	15,000	185	\$4.32	61
High Pressure Sodium (250 watts)	\$4.33	28,000	315	\$5.17	105
High Pressure Sodium (400 watts)	\$3.87	50,000	475	\$4.67	158
High Pressure Sodium (1,000 watts)	\$7.28	140,000	1,100	N/A	367
<u>Light Emitting Diode (LED)</u>					
Light Emitting Diode (40 watts)	\$3.56	4,800	40	\$4.32	14
<u>LED Alternative For 150W High Pressure Sodium</u>					

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8020

Light Emitting Diode (70 watts)	\$4.33	7,900	70	\$5.17	24
LED Alternative For 250W High Pressure Sodium					
Light Emitting Diode (100 watts)	\$3.87	11,300	100	\$4.67	33
LED Alternative For 400W High Pressure Sodium					
Light Emitting Diode (175 watts)	\$7.28	15,100	175	N/A	58
LED Alternative For 1,000W High Pressure Sodium					
Metal Halide (175w) (no new installations)	\$9.70	12,900	210	N/A	70
Metal Halide (250w) (no new installations)	\$17.93	19,475	294	N/A	98
Metal Halide (400 w) (no new installations)	\$7.31	32,200	476	N/A	159
Metal Halide (1,000w) (no new installations)	\$14.08	104,500	1,100	N/A	367
Roadway/General Lighting					
High Pressure Sodium (150 watts)	\$2.42	15,000	185	\$2.78	61
Light Emitting Diode (95 watts)	\$2.42	7,900	95	\$2.78	32
LED Alternative For 150W High Pressure Sodium					
Guard Lighting					
High Pressure Sodium (100 watts)	\$2.41	9,500	120	\$2.78	40
Light Emitting Diode (40 watts)	\$2.41	4,800	40	\$2.78	14
LED Alternative For 100W High Pressure Sodium					

TYPE OF LAMP	T&D CHARGE	LUMEN RATING	TOTAL WATTAGE	FIXTURE CHARGE	MONTHLY KWH
Floodlighting/Directional Lighting					
High Pressure Sodium					
High Pressure Sodium (150 watts)	\$4.20	15,000	185	\$4.15	61
High Pressure Sodium (250 watts)	\$4.62		28,000	315	\$4.46
105					
High Pressure Sodium (400 watts)	\$4.74		50,000	475	\$4.55
158					
High Pressure Sodium (1,000 watts)	\$9.37	140,000	1,100	N/A	367
Light Emitting Diode (LED)					
Light Emitting Diode (40 watts)		4,800	40		14
LED Alternative For 150W High Pressure Sodium					
Light Emitting Diode (70 watts)		7,900	70		24
LED Alternative For 250W High Pressure Sodium					

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Applicable: Entire Service Area

CNP 8020

Light Emitting Diode (100 watts)	11,300	100		33
<u>LED Alternative For 100W High Pressure Sodium</u>				
Light Emitting Diode (175 watts)	15,100	175		58
<u>LED Alternative For 100W High Pressure Sodium</u>				
Metal Halide (175 watts/175w) (no new installations)	\$10.71 - 12,900	210	N/A	70
Metal Halide (250 watts/250w) (no new installations)	\$19.17 - 10,175	204	N/A	98
Metal Halide (400 watts) (no new installations)	\$7.81 - 33,200	176	N/A	150
Metal Halide (1,000 watts/1000w) (no new installations)	\$17.79 - 104,500	1,100	N/A	
367				
<u>Roadway/General Lighting</u>				
High Pressure Sodium (150 watts)	\$2.81 - 15,000	185	\$ 2.70	61
Light Emitting Diode (95 watts)	7,900			32
<u>LED Alternative For 150W High Pressure Sodium</u>				
<u>Guard Lighting</u>				
High Pressure Sodium (100 watts)	\$2.81 - 9,500	120	\$ 2.70	40
Mercury Vapor (no new installations)	\$2.81 - 7,800	215	\$ 2.70	72 Light
Emitting Diode (40 watts)	4,500			14
<u>LED Alternative For 100W High Pressure Sodium</u>				

¹ Applies only to Company Owned Fixtures that are Company-owned and installed prior to September 1, 2000.

- ~~II. System Benefit Fund Charge:~~ See Rider SBF
- III. Transition Charge: See Schedules FC, TC2, TC3, SRC, and TC5
- IV. Nuclear Decommissioning Charge: See Rider NDC
- V. Transmission Cost Recovery Factor: See Rider TCRF
- ~~VI. Competition Transition Charge:~~ See Rider CTC
- VII. Other Charges or Credits:
 - A. Municipal Account Franchise Credit (see application and explanation below) \$(.0023720 - .02343) Per kWh

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 860

6.1.1.6.6 RIDER RCE - RATE CASE EXPENSES SURCHARGE

APPLICABILITY

This rider is applicable to all Retail Customers receiving Delivery Service under one of the Company's Rate Schedules in the Tariff for Retail Delivery Service for recovery of rate case expenses approved in Docket No. 39127.

MONTHLY RATE

A Retail Customer's RCE for the billing month shall be determined by multiplying the appropriate rate case expenses factor shown below by the Retail Customer's applicable billing determinant for the current month.



TERM



NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

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CenterPoint Energy Houston Electric, LLC
 Applicable: Entire Service Area

6.1.1.6.14 RIDER UEDIT - UNPROTECTED EXCESS DEFERRED INCOME TAXES CREDIT

APPLICABILITY

This rider is applicable to all Retail Customers receiving Delivery Service under one of the Company's Rate Schedules in the Tariff for Retail Delivery Service. This rider is to refund the unprotected excess deferred income taxes as a result of the Tax Cuts and Jobs Act of 2017 that changed the federal income tax rate.

MONTHLY RATE

A Retail Customer's refund amount for the billing month shall be determined by multiplying the appropriate per unit refund factor shown below by the Retail Customer's applicable billing determinant for the current month.

<u>Retail Customer Rate Classes</u>	<u>Per Unit Refund Factor</u>	<u>Rate Class Billing Determinant</u>
<u>Residential Service</u>		<u>Per kWh</u>
<u>Secondary Service Less than or Equal to 10 kVA</u>		<u>Per kWh</u>
<u>Secondary Service Greater than 10 kVA</u>		<u>Per Billing kVA</u>
<u>Primary Service</u>		<u>Per Billing kVA</u>
<u>Transmission Service</u>		<u>Per 4CP kVA</u>
<u>Street Lighting Service</u>		<u>Per kWh</u>
<u>Miscellaneous Lighting Service</u>		<u>Per kWh</u>

TERM

Rider UEDIT will remain in effect for three years from the original effective date or until the Commission approved amount is refunded.

NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

6.1.1.6.14 RIDER UEDIT - UNPROTECTED EXCESS DEFERRED INCOME TAXES CREDIT

APPLICABILITY

This rider is applicable to all Retail Customers receiving Delivery Service under one of the Company's Rate Schedules in the Tariff for Retail Delivery Service. This rider is to refund the unprotected excess deferred income taxes as a result of the Tax Cuts and Jobs Act of 2017 that changed the federal income tax rate.

MONTHLY RATE

A Retail Customer's refund amount for the billing month shall be determined by multiplying the appropriate per unit refund factor shown below by the Retail Customer's applicable billing determinant for the current month.

<u>Retail Customer Rate Classes</u>	<u>Per Unit Refund Factor</u>	<u>Rate Class Billing Determinant</u>
Residential Service	(\$0.000725)	Per kWh
Secondary Service Less than or Equal to 10 kVA	(\$0.000582)	Per kWh
Secondary Service Greater than 10 kVA	(\$0.156680)	Per Billing kVA
Primary Service	(\$0.090248)	Per Billing kVA
Transmission Service	(\$0.095092)	Per 4CP kVA
Street Lighting Service	(\$0.004977)	Per kWh
Miscellaneous Lighting Service	(\$0.001100)	Per kWh

TERM

Rider UEDIT will remain in effect for three years from the original effective date or until the Commission approved amount is refunded.

NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

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CenterPoint Energy Houston Electric, LLC
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6.1.2.2 **CONSTRUCTION SERVICE SERVICES POLICY AND CHARGES**

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CNP 8030

Underground Facility Extensions to Commercial and Industrial Retail Customer Premises

A Retail Customer may request a three-phase Distribution Voltage underground Facility Extension to commercial and industrial electrical installations and planned developments containing such installations. Transformers, switches, and protective devices are pole-mounted except when the magnitude of the load requires the installation of this equipment on grade level concrete pads. All Company owned pad mounted equipment must be installed on the Retail Customer's property, and the Retail Customer shall be responsible for granting necessary easements as well as installing, to Company specifications, any concrete encased ducts, pads, and manholes required to accommodate this equipment except as otherwise stated in Subsection 2.5 of this Construction Services Policy. The maintenance on this equipment, exclusive of pads of bus connected transformers, will be performed by the Company.

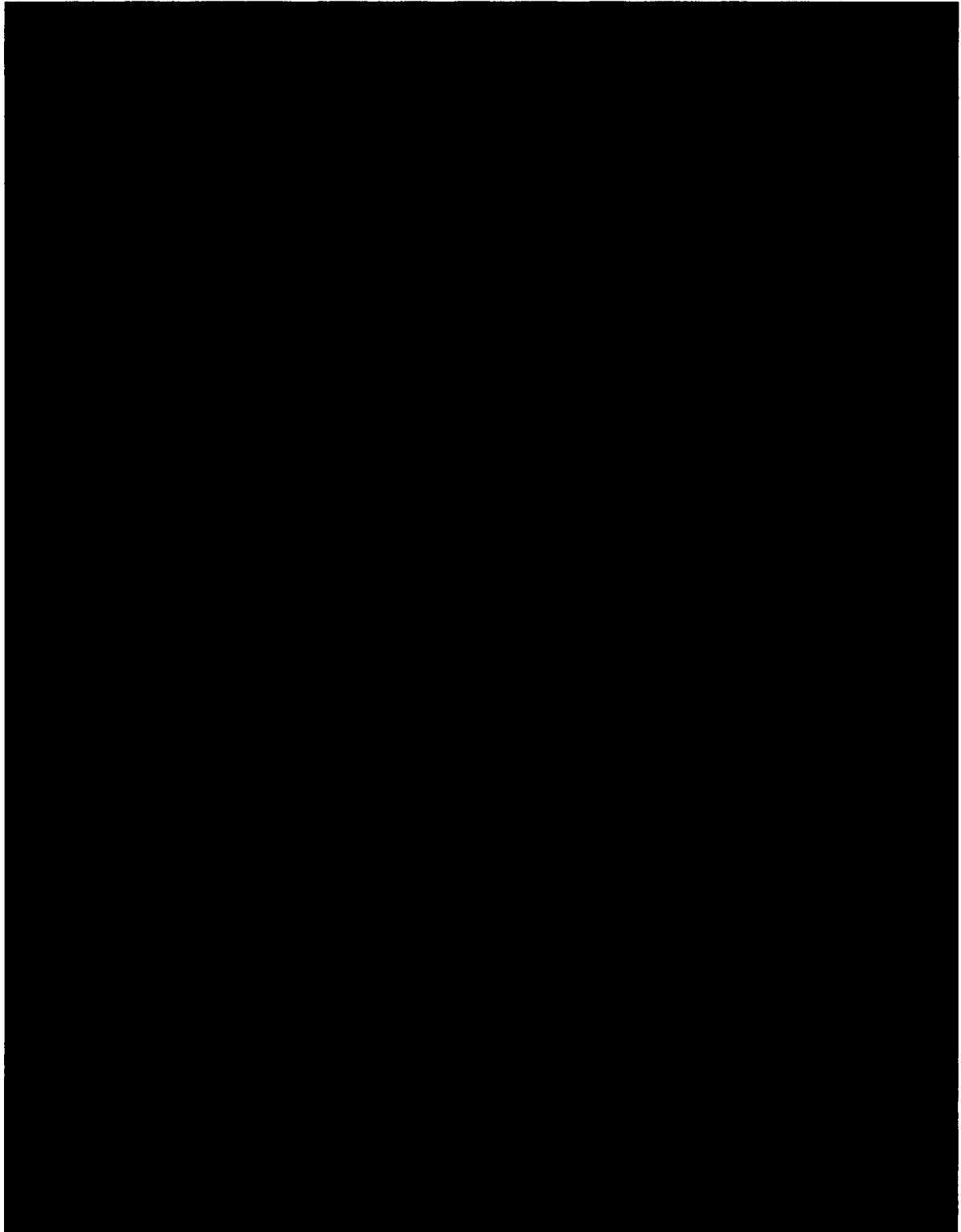
For three-phase underground Facility Extensions (except three-phase underground Facility Extensions requested under Subsection 2.5), the Retail Customer must install the concrete encased ducts, manholes, switchrooms, transformer vaults, and pads for transformers, switches, and protective devices in accordance with Company specifications. The Company may elect to install any ducts or manholes required in street rights-of-way at Retail Customer expense.

Retail Customer assumes the risk of and shall indemnify company against damages for injuries or death to persons or loss to Retail Customer's property, or to the property of Company, when occasioned by activities of Retail Customer or third parties on Retail Customer's Premises, resulting from the installation, existence, replacement, or repair of Company's underground facilities, and as further provided in the terms of "Limits on Liability," Sections 4.2 and 5.2 of this Tariff. Notwithstanding any of the above, the provisions requiring a Retail Customer to indemnify, fully protect, or save Company harmless apply to a governmental entity as this term is defined in Chapter 2251 of the Texas Government Code, to the extent otherwise consistent with law; provided, however, that any governmental entity that is a Retail Customer to which this Construction Services Policy subsection applies must take necessary steps to ensure that the indemnification requirements of this subsection do not create a "debt" in violation of Article XI, Section 7 of the Texas Constitution. Such steps may include, but are not necessarily limited to, a third-party indemnification in which the contractor performing the work for the governmental entity indemnifies the Company or the establishment of a sinking fund.

Chapter 6: Company Specific Items

CenterPoint Energy Houston Electric, LLC
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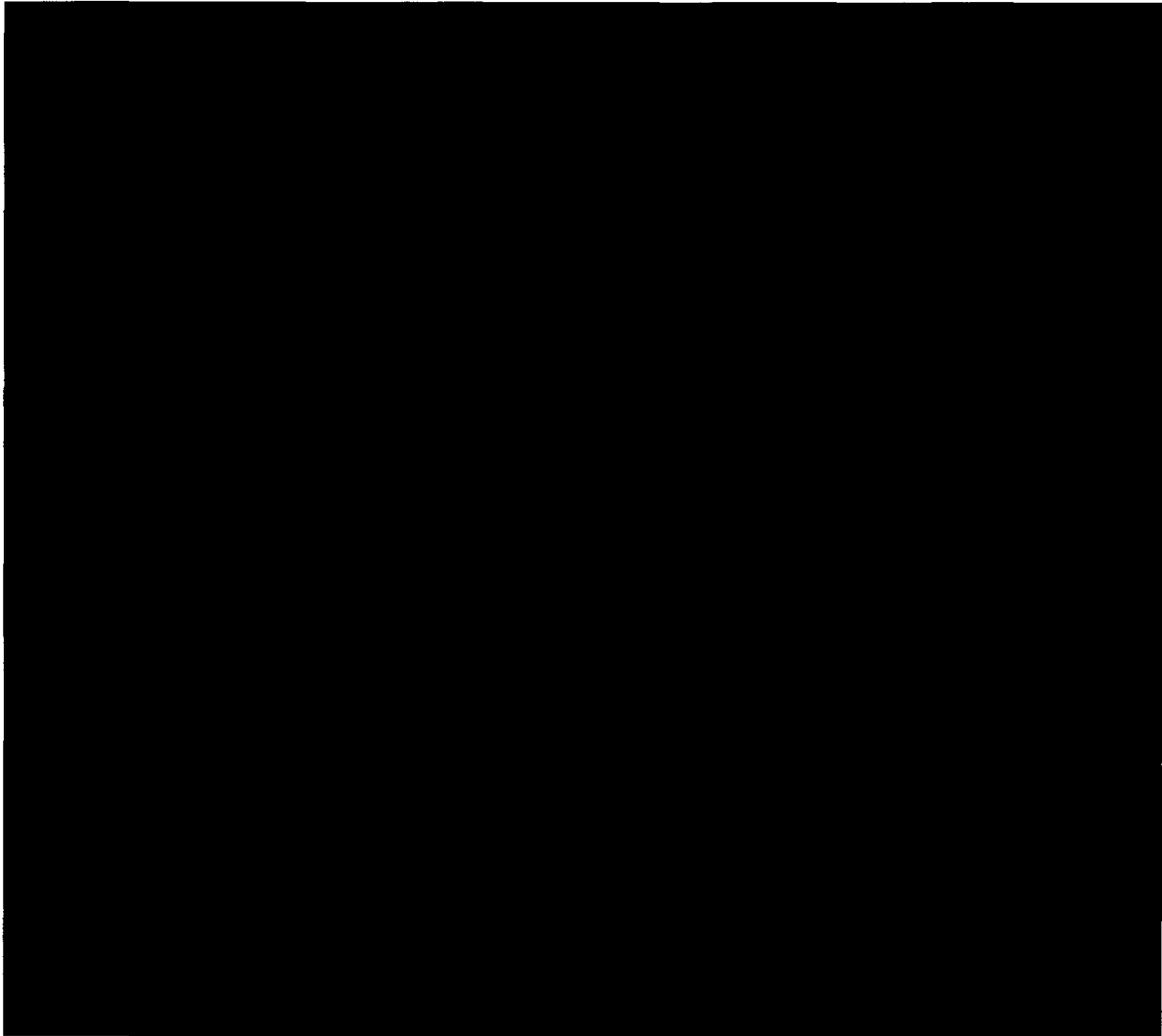
CNP 8030



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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8030



Subsection 2.65 – Facility Extensions for Premium Service Retail Customers

Retail Customers requesting an underground or overhead Facility Extension for the provision of Premium Service under Section 6.1.2.3.3 of this Tariff must pay a CIAC for the extension. The Standard Allowance is not applicable to these types of Facility Extensions. Given the complexity and magnitude of projects of this nature, Company must conduct a pre-construction study at Retail Customer's expense prior to construction of the Facility Extension. Payment for the pre-construction study is non-refundable and must be made up front. After completion of the pre-construction study, if Retail Customer desires to proceed with the project, Retail Customer and Company must enter into an agreement in the form set out in Section 6.3.4 of this Tariff.

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8031

Authorized Release of Information List

By signing this Application in the space provided below, Customer authorizes CenterPoint Energy Houston Electric, LLC to release Customer's proprietary information to the extent necessary to process set out in Section 6.3.2 of this Application to the following persons: Tariff. The form of the agreement is set out in Section 6.3.3 of this Tariff.

PRE-INTERCONNECTION STUDY FEE SCHEDULE

Pre-certified distributed generation units that are up to 500 Kw that export not more than 15% of the total load on a single radial feeder and also contribute not more than 25% of the maximum potential short circuit current on a radial feeder are exempt from any pre-interconnection study fees. For all other DG applications, the study fees in the following table will apply.

<u>Non-Exporting</u>	<u>0 to 10 kW</u>	<u>10+ to 500 kW</u>	<u>500+ to 2000kW</u>	<u>2000+ to 10,000 kW</u>
<u>1. Pre-certified, not on network</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,273</u>	<u>\$3,520</u>
<u>2. Non pre-certified, not on network</u>	<u>\$312</u>	<u>\$581</u>	<u>\$3,947</u>	<u>\$4,194</u>
<u>3. Pre-certified, on network</u>	<u>\$272</u>	<u>\$1,075</u>	<u>\$6,269</u>	<u>\$6,516</u>
<u>4. Not pre-certified, on network</u>	<u>\$525</u>	<u>\$1,433+150</u>	<u>\$6,943</u>	<u>\$7,190</u>

<u>Exporting</u>	<u>0 to 10 kW</u>	<u>10+ to 500 kW</u>	<u>500+ to 2000kW</u>	<u>2000+ to 10,000 kW</u>
------------------	-------------------	----------------------	-----------------------	---------------------------

	<u>Name</u>	<u>Phone Number</u>	<u>Email Address</u>
<u>Project Manager</u>			
<u>Electrical Contractor</u>			
<u>Consultant</u>			
<u>Other</u>			

CenterPoint Energy Houston Electric, LLC _____ [CUSTOMER NAME]

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CNP 8015

CHAPTER 6: COMPANY SPECIFIC ITEMS

6.1 RATE SCHEDULES

6.1.1 DELIVERY SYSTEM CHARGES

6.1.1.1 CHARGES FOR TRANSMISSION AND DISTRIBUTION SYSTEM SERVICE

6.1.1.1.1 RESIDENTIAL SERVICE

AVAILABILITY

This schedule is available to Retail Customers requesting Delivery Service for Residential Purposes when such Delivery Service is to one Point of Delivery and measured through one Meter and, except as otherwise provided in this Rate Schedule, is not for shared or resale purposes.

T

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge	\$2.48	per Meter per Month	I, T
Metering Charge	\$1.95	per Meter per Month	R, T
Transmission System Charge	\$.015080	per kWh	I
Distribution System Charge	\$.022680	per kWh	I

II. Transition Charge:

See Schedules TC2, TC3, SRC, and TC5

III. Nuclear Decommissioning Charge:

See Rider NDC

IV. Transmission Cost Recovery Factor:

See Rider TCRF

V. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below) ~~\$(001768)~~ per kWh } R

B. Rate Case Expenses Surcharge See Rider RCE

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Applicable: Entire Service Area

CNP 8015

CHAPTER 6: COMPANY SPECIFIC ITEMS**6.1 RATE SCHEDULES****6.1.1 DELIVERY SYSTEM CHARGES****6.1.1.1 CHARGES FOR TRANSMISSION AND DISTRIBUTION SYSTEM SERVICE****6.1.1.1.1 RESIDENTIAL SERVICE****AVAILABILITY**

This schedule is available to Retail Customers requesting Delivery Service for Residential Purposes when such Delivery Service is to one Point of Delivery and measured through one Meter and, except as otherwise provided in this Rate Schedule, is not for shared or resale purposes.

T

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge	\$2.46	per Meter per Month	I, T
Metering Charge	\$2.07	per Meter per Month	R, T
Transmission System Charge	\$0.015070	per kWh	I
Distribution System Charge	\$0.022650	per kWh	I

II. Transition Charge:

See Schedules TC2, TC3, SRC, and TC5

T

III. Nuclear Decommissioning Charge:

See Rider NDC

IV. Transmission Cost Recovery Factor:

See Rider TCRF

V. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below)	\$(0.001773)	per kWh	R
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B. Rate Case Expenses Surcharge	See Rider RCE
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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8016

6.1.1.1.2 SECONDARY SERVICE LESS THAN OR EQUAL TO 10 KVA

AVAILABILITY

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Secondary Distribution Voltage levels with a peak demand less than or equal to 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter and is not for shared or resale purposes. This schedule is also available to Retail Customers requesting Unmetered Services other than Lighting Services.

T

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge	\$2.44	per Meter per Month	I, T
Metering Charge	\$2.11	per Meter per Month	R, T
Transmission System Charge	\$0.00020	per kWh	I
Distribution System Charge	\$0.015510	per kWh	I

II. Transition Charge:

See Schedules TC2, TC3, SRC,
and TC5III. Nuclear Decommissioning
Charge:

See Rider NDC

IV. Transmission Cost Recovery
Factor:

See Rider TCRF

T

V. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below)	\$(-0.02052)	Per kWh	R
B. Rate Case Expenses Surcharge		See Rider RCE	
C. Energy Efficiency Cost Recovery Factor		See Rider EECRF	
D. Accumulated Deferred Federal Income Tax Credit		See Rider ADFITC	

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8016

6.1.1.1.2 SECONDARY SERVICE LESS THAN OR EQUAL TO 10 KVA

AVAILABILITY

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Secondary Distribution Voltage levels with a peak demand less than or equal to 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter and is not for shared or resale purposes. This schedule is also available to Retail Customers requesting Unmetered Services other than Lighting Services.

T

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge	\$2.43	per Meter per Month	I, T
Metering Charge	\$2.33	per Meter per Month	R, T
Transmission System Charge	\$0.009010	per kWh	I
Distribution System Charge	\$0.015490	per kWh	I

II. Transition Charge: See Schedules TC2, TC3, SRC, and TC5

III. Nuclear Decommissioning Charge: See Rider NDC

IV. Transmission Cost Recovery Factor: See Rider TCRF

T

V. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below)	\$(0.002058)	Per kWh	R
B. Rate Case Expenses Surcharge		See Rider RCE	
C. Energy Efficiency Cost Recovery Factor		See Rider EECRF	
D. Accumulated Deferred Federal Income Tax Credit		See Rider ADFITC	

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8017

6.1.1.1.3 SECONDARY SERVICE GREATER THAN 10 KVA

AVAILABILITY

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Secondary Distribution Voltage levels with a peak demand greater than 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter; except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes.

T

MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge				I, T
Non-IDR Metered	\$ 3.22	per Meter per Month		R, T
IDR Metered	\$ 48.28	per Meter per Month		
Metering Charge				
Non-IDR Metered	\$ 6.90	per Meter per Month		R, T
IDR Metered	\$ 79.91	per Meter per Month		I, T
Transmission System Charge				
Non-IDR Metered	\$ 2.7140	per NCP kVA		I
IDR Metered	\$ 4.0531	per 4CP kVA		I
Distribution System Charge	\$ 4.835920	per Billing kVA		I

II. Transition Charge: See Schedules TC2, TC3, SRC, and TC5

III. Nuclear Decommissioning Charge: See Rider NDC

IV. Transmission Cost Recovery Factor: See Rider TCRF

V. Competitive Metering Credit: See Rider CMC

VI. Other Charges or Credits:

A. Municipal Account ~~\$(-894333)~~ per Billing kVA
Franchise Credit (see application and explanation below)

I

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8017

6.1.1.1.3 SECONDARY SERVICE GREATER THAN 10 KVA**AVAILABILITY**

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Secondary Distribution Voltage levels with a peak demand greater than 10 kVA when such Delivery Service is to one Point of Delivery and measured through one Meter; except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes.

T

MONTHLY RATE**I. Transmission and Distribution Charges:**

<i>Customer Charge</i>			I, T R, T
Non-IDR Metered	\$ 3.20	per Meter per Month	
IDR Metered	\$ 47.99	per Meter per Month	
<i>Metering Charge</i>			R, T I, T
Non-IDR Metered	\$ 7.65	per Meter per Month	
IDR Metered	\$ 79.90	per Meter per Month	
<i>Transmission System Charge</i>			I I I
Non-IDR Metered	\$2.7117	per NCP kVA	
IDR Metered	\$4.0496	per 4CP kVA	
<i>Distribution System Charge</i>	\$4.831300	per Billing kVA	

II. Transition Charge: See Schedules TC2, TC3, SRC, and TC5**III. Nuclear Decommissioning Charge:** See Rider NDC**IV. Transmission Cost Recovery Factor:** See Rider TCRF**V. Competitive Metering Credit:** See Rider CMC**VI. Other Charges or Credits:**

A. Municipal Account Franchise Credit (see application and explanation below)	\$(.897049) per Billing kVA	I
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CenterPoint Energy Houston Electric, LLC

CNP 8018

Applicable: Entire Service Area

6.1.1.1.4 PRIMARY SERVICE**AVAILABILITY**

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Primary Distribution Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter; except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes; and provided, however, that Delivery Service under this schedule is available only to Retail Customers able to take Delivery Service directly from feeder lines of at least 12,470 volts but less than 60,000 volts.

T

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge			
Non-IDR Metered	\$ 4.83	per Meter per Month	I, T
IDR Metered	\$61.23	per Meter per Month	R, T
Metering Charge			
Non-IDR Metered	\$285.55	per Meter per Month	I, T
IDR Metered	\$198.72	per Meter per Month	I, T
Transmission System Charge			
Non-IDR Metered	\$2.7359	per NCP kVA	I
IDR Metered	\$3.9405	per 4CP kVA	I
Distribution System Charge	\$2.524110	per Billing kVA	I

II. Transition Charge:

See Schedules TC2, TC3, SRC, and TC5

T

III. Nuclear Decommissioning Charge:

See Rider NDC

IV. Transmission Cost Recovery Factor:

See Rider TCRF

V. Competitive Metering Credit:

See Rider CMC

VI. Other Charges or Credits:Revision Number: 18th

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8018

6.1.1.1.4 PRIMARY SERVICE**AVAILABILITY**

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Primary Distribution Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter; except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes; and provided, however, that Delivery Service under this schedule is available only to Retail Customers able to take Delivery Service directly from feeder lines of at least 12,470 volts but less than 60,000 volts.

T

MONTHLY RATE**I. Transmission and Distribution Charges:**

Customer Charge] T
Non-IDR Metered	\$ 4.80	per Meter per Month	
IDR Metered	\$ 60.85	per Meter per Month	R. T
Metering Charge] T
Non-IDR Metered	\$287.29	per Meter per Month	
IDR Metered	\$198.71	per Meter per Month	I, T
Transmission System Charge] I
Non-IDR Metered	\$2.7335	per NCP kVA	
IDR Metered	\$3.9371	per 4CP kVA	I
Distribution System Charge	\$2.523170	per Billing kVA	I

II. Transition Charge:	See Schedules TC2, TC3, SRC, and TC5] T
III. Nuclear Decommissioning Charge:	See Rider NDC	
IV. Transmission Cost Recovery Factor:	See Rider TCRF	
V. Competitive Metering Credit:	See Rider CMC	
VI. Other Charges or Credits:		

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8018

A. Municipal Account Franchise Credit (see application and explanation below)	\$(585707)	per Billing kVA	}	R
B. Rate Case Expenses Surcharge		See Rider RCE	}	T
C. Energy Efficiency Cost Recovery Factor		See Rider EECRF		
D. Accumulated Deferred Federal Income Tax Credit		See Rider ADFITC		
E. Distribution Cost Recovery Factor		See Rider DCRF		
F. Unprotected Excess Deferred Income Tax		See Rider UEDIT	}	N

TERMS OF SERVICE

DETERMINATION OF BILLING DEMAND FOR TRANSMISSION SYSTEM CHARGES

Application of IDR Metered Charges The IDR Metered charges listed in the Monthly Rate section of this Rate Schedule are applicable to Retail Customers who have established an NCP demand greater than 700 kVA in any previous billing month, and to Retail Customers who were billed on a 4CP kVA basis prior to the effective date of this Rate Schedule, regardless of whether their Meter is an IDR Meter, a Standard Meter or other Meter.

Determination of NCP kVA The NCP kVA applicable under the Monthly Rate section shall be the kVA supplied during the 15-minute period of maximum use during the billing month.

Determination of 4 CP kVA The 4 CP kVA applicable under the Monthly Rate section shall be the average of the Retail Customer's integrated 15 minute demands at the time of the monthly ERCOT system 15 minute peak demand for the months of June, July, August and September of the previous calendar year. The Retail Customer's average 4CP demand will be updated effective with the February billing month of each year and remain fixed for a year. Retail Customer's previous metered usage under this or any other Rate Schedule will be used, as needed, in determining the billing determinants under the Monthly Rate section. Retail Customers without previous history on which to determine their 4 CP kVA will be billed at the applicable NCP rate under the "Transmission System Charge" using the Retail Customer's NCP kVA.

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8018

A. Municipal Account Franchise Credit (see application and explanation below)	\$(.587486)	per Billing kVA] R
B. Rate Case Expenses Surcharge		See Rider RCE	
C. Energy Efficiency Cost Recovery Factor		See Rider EECRF] T
D. Accumulated Deferred Federal Income Tax Credit		See Rider ADFITC	
E. Distribution Cost Recovery Factor		See Rider DCRF	
F. Unprotected Excess Deferred Income Tax		See Rider UEDIT] N

TERMS OF SERVICE**DETERMINATION OF BILLING DEMAND FOR TRANSMISSION SYSTEM CHARGES**

Application of IDR Metered Charges The IDR Metered charges listed in the Monthly Rate section of this Rate Schedule are applicable to Retail Customers who have established an NCP demand greater than 700 kVA in any previous billing month, and to Retail Customers who were billed on a 4CP kVA basis prior to the effective date of this Rate Schedule, regardless of whether their Meter is an IDR Meter, a Standard Meter or other Meter.

Determination of NCP kVA The NCP kVA applicable under the Monthly Rate section shall be the kVA supplied during the 15-minute period of maximum use during the billing month.

Determination of 4 CP kVA The 4 CP kVA applicable under the Monthly Rate section shall be the average of the Retail Customer's integrated 15 minute demands at the time of the monthly ERCOT system 15 minute peak demand for the months of June, July, August and September of the previous calendar year. The Retail Customer's average 4CP demand will be updated effective with the February billing month of each year and remain fixed for a year. Retail Customer's previous metered usage under this or any other Rate Schedule will be used, as needed, in determining the billing determinants under the Monthly Rate section. Retail Customers without previous history on which to determine their 4 CP kVA will be billed at the applicable NCP rate under the "Transmission System Charge" using the Retail Customer's NCP kVA.

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CenterPoint Energy Houston Electric, LLC

CNP 8019

Applicable: Entire Service Area

6.1.1.1.5 TRANSMISSION SERVICE

AVAILABILITY

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Transmission Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter, except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes.

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MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge	██████████	Per Meter per month	I, T
Metering Charge	██████████	Per Meter per month	I, T
Transmission System Charge	██████████	Per 4 CP kVA	I, T
Distribution System Charge	██████████	Per 4 CP kVA	I, T

II. Transition Charge:

See Schedules TC2, TC3, and TC5

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III. Nuclear Decommissioning Charge:

See Rider NDC

IV. Transmission Cost Recovery Factor:

See Rider TCRF

V. Competitive Metering Credit:

See Rider CMC

VI. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below)

\$██████████ Per kWh } I

B. Rate Case Expenses Surcharge

See Rider RCE

C. Energy Efficiency Cost Recovery Factor

See Rider EECRF

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8019

6.1.1.1.5 TRANSMISSION SERVICE

AVAILABILITY

This schedule is available to Retail Customers requesting Delivery Service for non-Residential Purposes at Transmission Voltage levels when such Delivery Service is to one Point of Delivery and measured through one Meter, except that, at Company's option, locations where the Retail Customer's Electrical Installation or Premises has multiple connections to Company's Delivery System, due to Company facility limitations or design criteria, may be considered one Point of Delivery for billing purposes.

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MONTHLY RATE

I. Transmission and Distribution Charges:

Customer Charge	\$221.58	Per Meter per month
Metering Charge	\$1,456.99	Per Meter per month
Transmission System Charge	\$4.7162	Per 4 CP kVA
Distribution System Charge	\$0.59495	Per 4 CP kVA

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II. Transition Charge:

See Schedules TC2, TC3, and TC5

III. Nuclear Decommissioning Charge:

See Rider NDC

IV. Transmission Cost Recovery Factor:

See Rider TCRF

V. Competitive Metering Credit:

See Rider CMC

VI. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below)

\$(.000779)

Per kWh

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B. Rate Case Expenses Surcharge

See Rider RCE

C. Energy Efficiency Cost Recovery Factor

See Rider EECRF

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$$\text{TCCF} = \frac{\sum \text{Class CP kVA for June, July, August, September}}{\sum \text{Class NCP kVA for June, July, August, September}} =$$

0.784009

Where:

Class CP kVA is the transmission voltage rate class' 15-minute demand at the time of the ERCOT CP and Class NCP kVA is the transmission voltage class' maximum 15-minute demand during a month.

Determination of Billing kVA The Billing kVA applicable to the Distribution System Charge shall be the higher of the NCP kVA for the current billing month or 80% of the highest monthly NCP kVA established in the 11 months preceding the current billing month (80% ratchet). The 80% ratchet shall not apply to seasonal agricultural Retail Customers.

OTHER PROVISIONS

Type of Service. The standard Delivery Service under this Rate Schedule will be three-phase, 60 hertz, at the Company's standard Transmission Voltage levels described in Section 6.2.2 of this Tariff and in the Service Standards.

Metering Equipment. Delivery Service under this Rate Schedule will be metered using Company's Standard Meter provided for this type of Delivery Service. Any other metering option(s) requested by Retail Customer will be provided at an additional charge and/or will be provided by a Meter Owner other than the Company pursuant to Applicable Legal Authorities. The Company may install remote metering equipment to obtain information with which to determine the amount of the monthly bill. Retail Customer may have metering instruments installed to check the service supplied under this Rate Schedule in accordance with the provisions of the Tariff.

Construction Services. Where Construction Services are required to initiate Delivery Service under this Rate Schedule, additional charges and special contract arrangements may be required prior to Delivery Service being furnished, pursuant to the Company's Construction Services Policy in Section 6.1.2.2 of this Tariff.

Retail Customer Responsibilities. The Retail Customer shall own, operate, and maintain all facilities (except Company owned Billing Meter) necessary to receive three-phase, 60 hertz alternating current service at 60,000 volts or higher. Each Retail Customer served at Transmission Voltage shall comply with Company's operating requirements for transmission customers.

Sub-Metering. The Electric Power and Energy delivered under this Rate Schedule may not be re-metered or sub-metered by the Retail Customer for resale or sharing except pursuant to lawful sub-metering regulations of Applicable Legal Authorities.

On-Site Generation. If Retail Customer taking Delivery Service under this Rate Schedule has on-site electric generating capacity installed, additional contract arrangements may be required pursuant to section 5 of the Company's Construction Services Policy in Section

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8020

time and will vary from Lamp to Lamp. Company will replace burned out street Lamps, and/or make maintenance repairs during regular working hours, at its own cost and expense and will generally have the lighting service restored within 72 hours after notification by the Retail Customer, but with no adjustment of payments hereunder due to outage or varying levels of lumens. Street Lamps furnished hereunder shall operate under normal conditions from approximately thirty minutes after sunset to approximately thirty minutes before sunrise every night in the year and the assumed total time of operations will be approximately four thousand (4,000) hours each year for each light furnished.

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MONTHLY RATE

I. Transmission and Distribution Charges

The monthly charges listed in the table below cover the provision of Delivery Service to street lighting systems requested by Retail Customer and installed by Company pursuant to this Rate Schedule, including the maintenance but excluding the installation of those systems. Charges for the installation of street lighting systems are governed by the Construction Services Policy in Section 6.1.2.2 of this Tariff. In addition to the following monthly charges per Lamp, an additional \$1.09 per month will be charged for each Lamp with a break-away base if requested by Retail Customer and installed by Company.

Lamp Type Initial Lumen	Watt (Bulb Only)	Schedule A*	Schedule B*	Schedule C*	Schedule D*	Schedule E*	Monthly KWH
Mercury Vapor							
22,600 Lumen	400	\$4.43	\$18.93	N.A.	\$13.20	\$11.78	150
7,800 Lumen	175	\$3.88	N.A.	N.A.	\$12.64	N.A.	69
4,200 Lumen	100	\$3.90	\$18.45	N.A.	\$12.67	N.A.	41
High Pressure Sodium Vapor							
50,000 Lumen	400	\$4.40	\$18.90	N.A.	\$13.17	\$11.75	160
28,000 Lumen	250	\$4.27	\$18.77	\$10.33	\$13.04	\$11.62	106
15,000 Lumen	150	\$4.15	\$18.64	\$10.20	\$12.92	\$11.50	58
9,500 Lumen	100	\$4.13	\$18.59	N.A.	\$12.90	\$11.48	38
6,000 Lumen	70	\$4.09	\$18.59	N.A.	\$12.86	N.A.	29
Metal Halide							
32,200 Lumen	400	\$5.41	N.A.	N.A.	\$19.43	\$16.00	159
19,475 Lumen	250	\$10.00	N.A.	N.A.	\$18.62	\$15.17	96
12,900 Lumen	175	\$8.00	N.A.	N.A.	\$16.70	\$14.33	70

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8020

time and will vary from Lamp to Lamp. Company will replace burned out street Lamps, and/or make maintenance repairs during regular working hours, at its own cost and expense and will generally have the lighting service restored within 72 hours after notification by the Retail Customer, but with no adjustment of payments hereunder due to outage or varying levels of lumens. Street Lamps furnished hereunder shall operate under normal conditions from approximately thirty minutes after sunset to approximately thirty minutes before sunrise every night in the year and the assumed total time of operations will be approximately four thousand (4,000) hours each year for each light furnished.

MONTHLY RATE

I. Transmission and Distribution Charges

The monthly charges listed in the table below cover the provision of Delivery Service to street lighting systems requested by Retail Customer and installed by Company pursuant to this Rate Schedule, including the maintenance but excluding the installation of those systems. Charges for the installation of street lighting systems are governed by the Construction Services Policy in Section 6.1.2.2 of this Tariff. In addition to the following monthly charges per Lamp, an additional \$1.03 per month will be charged for each Lamp with a break-away base if requested by Retail Customer and installed by Company.

Lamp Type Initial Lumen	Watt (Bulb Only)	Schedule A*	Schedule B*	Schedule C*	Schedule D*	Schedule E*	Monthly KWH
Mercury Vapor							
22,600 Lumen	400	\$4.42	\$18.83	N.A.	\$13.14	\$11.73	150
7,800 Lumen	175	\$3.87	N.A.	N.A.	\$12.58	N.A.	69
4,200 Lumen	100	\$3.89	\$18.36	N.A.	\$12.61	N.A.	41
High Pressure Sodium Vapor							
50,000 Lumen	400	\$4.39	\$18.80	N.A.	\$13.11	\$11.70	160
28,000 Lumen	250	\$4.26	\$18.67	\$10.28	\$13.98	\$11.57	106
15,000 Lumen	150	\$4.14	\$18.55	\$10.15	\$12.85	\$11.44	58
9,500 Lumen	100	\$4.12	\$18.50	N.A.	\$12.83	\$11.42	38
6,000 Lumen	70	\$4.08	\$18.49	N.A.	\$12.80	N.A.	29
Metal Halide							
32,200 Lumen	400	\$5.40	N.A.	N.A.	\$19.36	\$15.94	159
19,475 Lumen	250	\$10.00	N.A.	N.A.	\$18.55	\$15.12	96
12,900 Lumen	175	\$7.99	N.A.	N.A.	\$16.63	\$14.27	70

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7,900 Lumen	100	\$7.30	N.A.	N.A.	\$16.00	\$13.63	40
Light Emitting Diode (LED)							
15,100 Lumen	180	\$5.22	N.A.	N.A.	\$7.01	\$25.73	64
10,850 Lumen	115	\$4.79	\$19.24	\$22.27	\$13.58	\$12.44	38
7,900 Lumen	95	\$4.39	\$18.84	\$10.73	\$13.18	\$12.03	32
4,800 Lumen	45	\$3.94	\$18.39	N.A.	\$12.73	\$11.59	17
2,000 Lumen	20	\$3.94	N.A.	N.A.	\$12.73	N.A.	8

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R, I, R
I, I, R, R
R, I, R
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* DESCRIPTION OF LIGHTING CONFIGURATIONS

- Schedule A -one or more Lamps mounted on existing distribution poles and served by overhead conductors.
- Schedule B -single Lamp mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule C -twin Lamps mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
- Schedule D -single Lamp mounted on ornamental standard and served by underground conductors, or decorative residential streetlights.
- Schedule E -twin Lamps mounted on ornamental standard and served by underground conductors.

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II. Transition Charge: See Schedules TC2, TC3, SRC, and TC5

III. Nuclear Decommissioning Charge: See Rider NDC

IV. Transmission Cost Recovery Factor: See Rider TCRF

V. Other Charges or Credits:

- A. Municipal Account Franchise Credit (see application and explanation below) ~~\$(001592)~~ Per kWh } R
- See Rider RCE
- B. Rate Case Expenses Surcharge
- C. Energy Efficiency Cost Recovery Factor See Rider EECRF
- D. Accumulated Deferred Federal Income Tax Credit See Rider ADFIT

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CenterPoint Energy Houston Electric, LLC
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7,900 Lumen	100	\$7.29	N.A.	N.A.	\$15.93	\$13.57	40	R
Light Emitting Diode (LED)								
15,100 Lumen	180	\$5.20	N.A.	N.A.	\$6.97	\$25.60	64	I, R
10,850 Lumen	115	\$4.77	\$19.21	\$22.16	\$13.51	\$12.37	38	R, I, R
7,900 Lumen	95	\$4.37	\$18.81	\$10.68	\$13.11	\$11.97	32	I, I, R, R
4,800 Lumen	45	\$3.93	\$18.36	N.A.	\$12.67	\$11.53	17	R, L, R
2,000 Lumen	20	\$3.93	N.A.	N.A.	\$12.67	N.A.	8	N

* DESCRIPTION OF LIGHTING CONFIGURATIONS

- Schedule A -one or more Lamps mounted on existing distribution poles and served by overhead conductors.
Schedule B -single Lamp mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
Schedule C -twin Lamps mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
Schedule D -single Lamp mounted on ornamental standard and served by underground conductors, or decorative residential streetlights.
Schedule E -twin Lamps mounted on ornamental standard and served by underground conductors.

II. Transition Charge: See Schedules TC2, TC3, SRC, and TC5

III. Nuclear Decommissioning Charge: See Rider NDC

IV. Transmission Cost Recovery Factor: See Rider TCRF

V. Other Charges or Credits:

A. Municipal Account Franchise Credit (see application and explanation below) \$(.001597) Per kWh R

See Rider RCE

B. Rate Case Expenses Surcharge

C. Energy Efficiency Cost Recovery Factor See Rider EECRF

D. Accumulated Deferred Federal Income Tax Credit See Rider ADFIT

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8020

Installation” or “Company Owned Fixture”). Miscellaneous Lighting Service consists of the delivery of electric power and energy to, and the installation and maintenance of lighting fixtures, as described herein. Retail Customer’s electric power and energy must be provided by the Retail Customer’s REP in accordance with Applicable Legal Authorities and the Company’s Tariff.

TYPE OF SERVICE

Miscellaneous Lighting Service is provided as an Unmetered Service at Company’s standard secondary distribution voltages to Customer Owned and Company Owned Fixtures which operate automatically every night from dusk to dawn. The Company will install, make electrical connection(s), and maintain the lighting fixture(s), whether Customer Owned or Company Owned.

Charges for services shall commence on the date that the electrical connection is made.

MONTHLY RATE**I. Transmission and Distribution Charges**

In addition to the installations charges described below for Customer Owned Fixtures, the following monthly charges apply to Miscellaneous Lighting Service.

- A. Only the T&D Charge below is applicable to Customer Owned Installations.
- B. The T&D Charge and the Fixture Charge below are applicable to Company Owned Installations. In addition to the T&D Charge and the Fixture Charge for each lamp type in the table below, an additional charge of \$2.55 per month is charged for a span of secondary which was installed exclusively for Miscellaneous Lighting Service and Retail Customer did not reimburse Company for construction cost (applies only to installations existing as of 1-1-2002).

	T&D	LUMEN	TOTAL	FIXTURE	MONTHLY
TYPE OF LAMP	CHARGE	RATING	WATTAGE	CHARGE ¹	KWH
<u>Floodlighting/Directional Lighting</u>					
<u>High Pressure Sodium</u>					
High Pressure Sodium (150-watts)	\$3.57	15,000	185	\$4.34	61
High Pressure Sodium (250-watts)	\$4.34	28,000	315	\$5.19	105
High Pressure Sodium (400-watts)	\$3.89	50,000	475	\$4.69	158
High Pressure Sodium (1,000-watts)	\$7.29	140,000	1,100	N/A	367
<u>Light Emitting Diode (LED)</u>					
Light Emitting Diode (40-watts)	\$3.57	4,800	40	\$4.34	14
LED Alternative For 150W High Pressure Sodium					

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8020

Installation” or “Company Owned Fixture”). Miscellaneous Lighting Service consists of the delivery of electric power and energy to, and the installation and maintenance of lighting fixtures, as described herein. Retail Customer’s electric power and energy must be provided by the Retail Customer’s REP in accordance with Applicable Legal Authorities and the Company’s Tariff.

TYPE OF SERVICE

Miscellaneous Lighting Service is provided as an Unmetered Service at Company’s standard secondary distribution voltages to Customer Owned and Company Owned Fixtures which operate automatically every night from dusk to dawn. The Company will install, make electrical connection(s), and maintain the lighting fixture(s), whether Customer Owned or Company Owned.

Charges for services shall commence on the date that the electrical connection is made.

MONTHLY RATE**I. Transmission and Distribution Charges**

In addition to the installations charges described below for Customer Owned Fixtures, the following monthly charges apply to Miscellaneous Lighting Service.

- A. Only the T&D Charge below is applicable to Customer Owned Installations.
- B. The T&D Charge and the Fixture Charge below are applicable to Company Owned Installations. In addition to the T&D Charge and the Fixture Charge for each lamp type in the table below, an additional charge of \$2.38 per month is charged for a span of secondary which was installed exclusively for Miscellaneous Lighting Service and Retail Customer did not reimburse Company for construction cost (applies only to installations existing as of 1-1-2002).

	T&D	LUMEN	TOTAL	FIXTURE	MONTHLY
TYPE OF LAMP	CHARGE	RATING	WATTAGE	CHARGE ¹	KWH
<u>Floodlighting/Directional Lighting</u>					
<u>High Pressure Sodium</u>					
High Pressure Sodium (150 watts)	\$3.56	15,000	185	\$4.32	61
High Pressure Sodium (250 watts)	\$4.33	28,000	315	\$5.17	105
High Pressure Sodium (400 watts)	\$3.87	50,000	475	\$4.67	158
High Pressure Sodium (1,000 watts)	\$7.28	140,000	1,100	N/A	367
<u>Light Emitting Diode (LED)</u>					
Light Emitting Diode (40 watts)	\$3.56	4,800	40	\$4.32	14
<u>LED Alternative For 150W High Pressure Sodium</u>					

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Exhibit MAT-9
Tariff for Retail Delivery Service (Annotated)
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Light Emitting Diode (70 watts)	\$4.34	7,900	70	\$5.19	24
LED Alternative For 350W High Pressure Sodium					
Light Emitting Diode (100 watts)	\$3.89	11,300	100	\$4.69	33
LED Alternative For 400W High Pressure Sodium					
Light Emitting Diode (175 watts)	\$7.29	15,100	175	N/A	58
LED Alternative For 1,000W High Pressure Sodium					
Metal Halide (175w) (no new installations)	\$9.73	12,900	210	N/A	70
Metal Halide (250w) (no new installations)	\$17.95	19,475	294	N/A	98
Metal Halide (400 w) (no new installations)	\$7.32	32,200	476	N/A	159
Metal Halide (1,000w) (no new installations)	\$14.08	104,500	1,100	N/A	367
Roadway/General Lighting					
High Pressure Sodium (150 watts)	\$2.43	15,000	185	\$2.79	61
Light Emitting Diode (95 watts)	\$2.43	7,900	95	\$2.79	32
LED Alternative For 150W High Pressure Sodium					
Guard Lighting					
High Pressure Sodium (100 watts)	\$2.42	9,500	120	\$2.79	40
Light Emitting Diode (40 watts)	\$2.42	4,800	40	\$2.79	14
LED Alternative For 100W High Pressure Sodium					

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¹ Applies only to Company Owned Fixtures that are Company-owned and installed prior to September 1, 2000.

- II. **Transition Charge:** See Schedules TC2, TC3, SRC, and TC5
- III. **Nuclear Decommissioning Charge:** See Rider NDC
- IV. **Transmission Cost Recovery Factor:** See Rider TCRF
- V. **Other Charges or Credits:**
 - A. Municipal Account Franchise Credit (see application and explanation below) \$(-.002365) Per kWh

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Light Emitting Diode (70 watts)	\$4.33	7,900	70	\$ 5.17	24
LED Alternative For 250W High Pressure Sodium					
Light Emitting Diode (100 watts)	\$3.87	11,300	100	\$4.67	33
LED Alternative For 400W High Pressure Sodium					
Light Emitting Diode (175 watts)	\$7.28	15,100	175	N/A.	58
LED Alternative For 1,000W High Pressure Sodium					
Metal Halide (175w) (no new installations)	\$9.70	12,900	210	N/A	70
Metal Halide (250w) (no new installations)	\$17.93	19,475	294	N/A	98
Metal Halide (400 w) (no new installations)	\$7.31	32,200	476	N/A	159
Metal Halide (1,000w) (no new installations)	\$14.08	104,500	1,100	N/A	367
Roadway/General Lighting					
High Pressure Sodium (150 watts)	\$2.42	15,000	185	\$ 2.78	61
Light Emitting Diode (95 watts)	\$2.42	7,900	95	\$2.78	32
LED Alternative For 150W High Pressure Sodium					
Guard Lighting					
High Pressure Sodium (100 watts)	\$2.41	9,500	120	\$2.78	40
Light Emitting Diode (40 watts)	\$2.41	4,800	40	\$2.78	14
LED Alternative For 100W High Pressure Sodium					

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¹ Applies only to Company Owned Fixtures that are Company-owned and installed prior to September 1, 2000.

- II. **Transition Charge:** See Schedules TC2, TC3, SRC, and TC5
- III. **Nuclear Decommissioning Charge:** See Rider NDC
- IV. **Transmission Cost Recovery Factor:** See Rider TCRF
- V. **Other Charges or Credits:**
 - A. Municipal Account Franchise Credit (see application and explanation below) \$(.002372) Per kWh

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Chapter 6: Company Specific Items

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 860

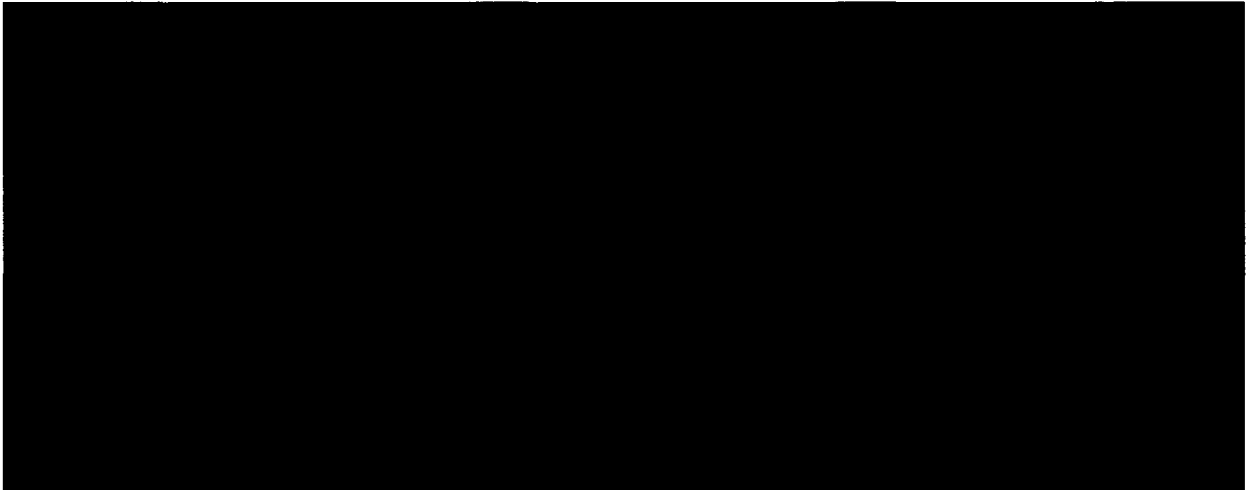
6.1.1.6.6 RIDER RCE - RATE CASE EXPENSES SURCHARGE

APPLICABILITY

This rider is applicable to all Retail Customers receiving Delivery Service under one of the Company's Rate Schedules in the Tariff for Retail Delivery Service for recovery of rate case expenses.

MONTHLY RATE

A Retail Customer's RCE for the billing month shall be determined by multiplying the appropriate rate case expenses factor shown below by the Retail Customer's applicable billing determinant for the current month.



TERM



NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area**6.1.1.6.14 RIDER UEDIT - UNPROTECTED EXCESS DEFERRED INCOME TAXES CREDIT**

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APPLICABILITY

This rider is applicable to all Retail Customers receiving Delivery Service under one of the Company's Rate Schedules in the Tariff for Retail Delivery Service. This rider is to refund the unprotected excess deferred income taxes as a result of the Tax Cuts and Jobs Act of 2017 that changed the federal income tax rate.

MONTHLY RATE

A Retail Customer's refund amount for the billing month shall be determined by multiplying the appropriate per unit refund factor shown below by the Retail Customer's applicable billing determinant for the current month.

Retail Customer Rate Classes	Per Unit Refund Factor	Rate Class Billing Determinant
Residential Service		Per kWh
Secondary Service Less than or Equal to 10 kVA		Per kWh
Secondary Service Greater than 10 kVA		Per Billing kVA
Primary Service		Per Billing kVA
Transmission Service		Per 4CP kVA
Street Lighting Service		Per kWh
Miscellaneous Lighting Service		Per kWh

TERM

Rider UEDIT will remain in effect for three years from the original effective date or until the Commission approved amount is refunded.

NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

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CenterPoint Energy Houston Electric, LLC
 Applicable: Entire Service Area

6.1.1.6.14 RIDER UEDIT - UNPROTECTED EXCESS DEFERRED INCOME TAXES CREDIT

APPLICABILITY

This rider is applicable to all Retail Customers receiving Delivery Service under one of the Company's Rate Schedules in the Tariff for Retail Delivery Service. This rider is to refund the unprotected excess deferred income taxes as a result of the Tax Cuts and Jobs Act of 2017 that changed the federal income tax rate.

MONTHLY RATE

A Retail Customer's refund amount for the billing month shall be determined by multiplying the appropriate per unit refund factor shown below by the Retail Customer's applicable billing determinant for the current month.

Retail Customer Rate Classes	Per Unit Refund Factor	Rate Class Billing Determinant
Residential Service	(\$0.000725)	Per kWh
Secondary Service Less than or Equal to 10 kVA	(\$0.000582)	Per kWh
Secondary Service Greater than 10 kVA	(\$0.156680)	Per Billing kVA
Primary Service	(\$0.090248)	Per Billing kVA
Transmission Service	(\$0.095092)	Per 4CP kVA
Street Lighting Service	(\$0.004977)	Per kWh
Miscellaneous Lighting Service	(\$0.001100)	Per kWh

TERM

Rider UEDIT will remain in effect for three years from the original effective date or until the Commission approved amount is refunded.

NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

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6.1.2.2 CONSTRUCTION SERVICES POLICY AND CHARGES

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Section 2 – Facility Extensions to Permanent Retail Customer Electrical Installations

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2.3 Transmission Service Facility Extensions Page 6 of 19

2.4 Underground Facility Extensions Page 7 of 19

Underground Facility Extensions to Residential Retail Customer Premises

including Apartments and Condominiums

Underground Facility Extensions to Commercial and Industrial Retail Customer

Premises

2.65 Facility Extensions for Premium Service Retail Customers

Section 3 – Facility Extensions to Semi-Permanent Retail Customer Electrical Installations

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Section 8 - Miscellaneous Construction Services Page 19 of 19

Removal or Relocation of Company Facilities

Overtime Charges at Retail Customer Expense

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CenterPoint Energy Houston Electric, LLC

Applicable: Entire Service Area

CNP 8030

Underground Facility Extensions to Commercial and Industrial Retail Customer Premises

A Retail Customer may request a three-phase Distribution Voltage underground Facility Extension to commercial and industrial electrical installations and planned developments containing such installations. Transformers, switches, and protective devices are pole-mounted except when the magnitude of the load requires the installation of this equipment on grade level concrete pads. All Company owned pad mounted equipment must be installed on the Retail Customer's property, and the Retail Customer shall be responsible for granting necessary easements as well as installing, to Company specifications, any concrete encased ducts, pads, and manholes required to accommodate this equipment except as otherwise stated in Subsection 2.5 of this Construction Services Policy. The maintenance on this equipment, exclusive of pads of bus connected transformers, will be performed by the Company.

For three-phase underground Facility Extensions (except three-phase underground Facility Extensions requested under Subsection 2.5), the Retail Customer must install the concrete encased ducts, manholes, switchrooms, transformer vaults, and pads for transformers, switches, and protective devices in accordance with Company specifications. The Company may elect to install any ducts or manholes required in street rights-of-way at Retail Customer expense.

Retail Customer assumes the risk of and shall indemnify company against damages for injuries or death to persons or loss to Retail Customer's property, or to the property of Company, when occasioned by activities of Retail Customer or third parties on Retail Customer's Premises, resulting from the installation, existence, replacement, or repair of Company's underground facilities, and as further provided in the terms of "Limits on Liability," Sections 4.2 and 5.2 of this Tariff. Notwithstanding any of the above, the provisions requiring a Retail Customer to indemnify, fully protect, or save Company harmless apply to a governmental entity as this term is defined in Chapter 2251 of the Texas Government Code, to the extent otherwise consistent with law; provided, however, that any governmental entity that is a Retail Customer to which this Construction Services Policy subsection applies must take necessary steps to ensure that the indemnification requirements of this subsection do not create a "debt" in violation of Article XI, Section 7 of the Texas Constitution. Such steps may include, but are not necessarily limited to, a third-party indemnification in which the contractor performing the work for the governmental entity indemnifies the Company or the establishment of a sinking fund.

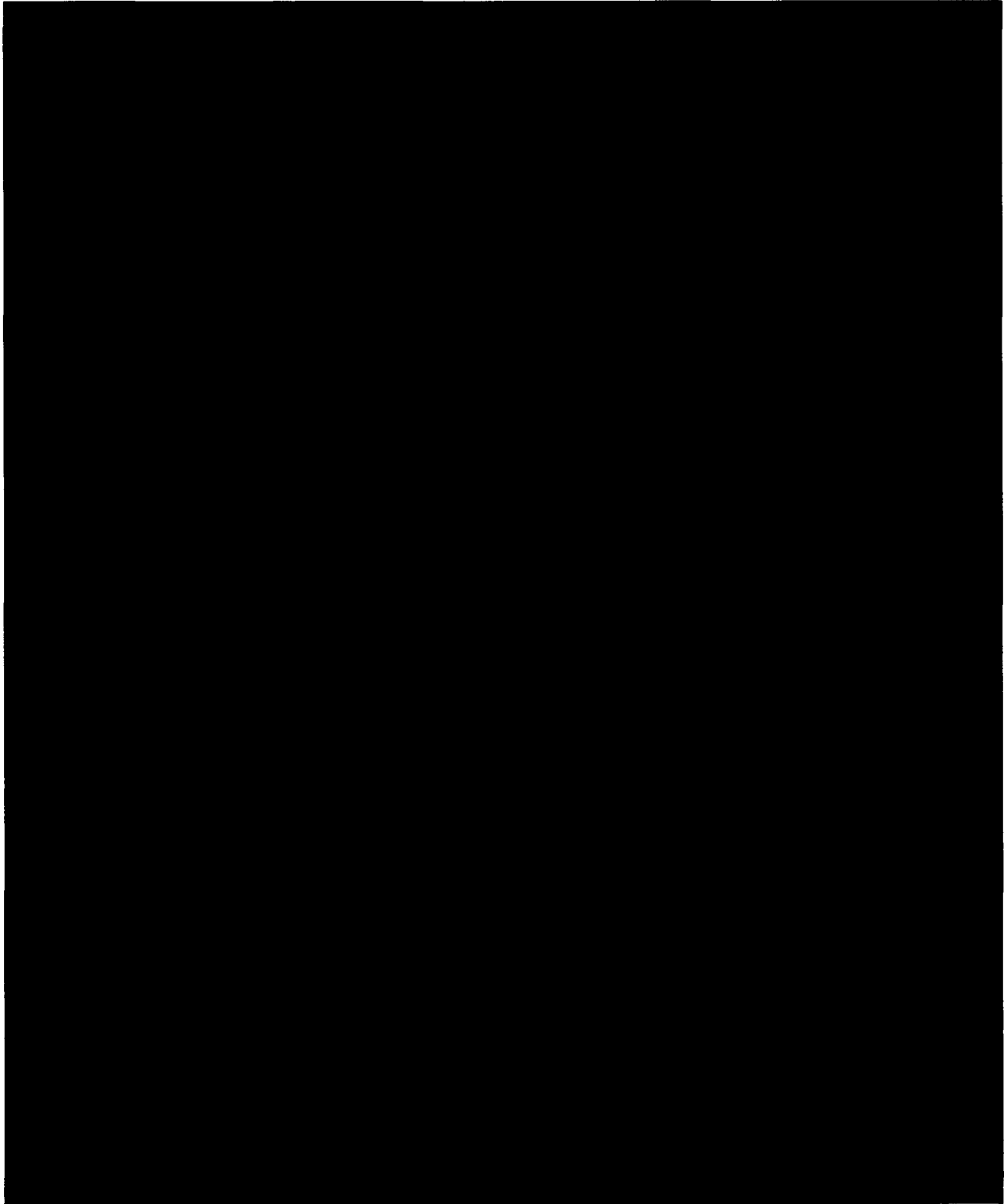
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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

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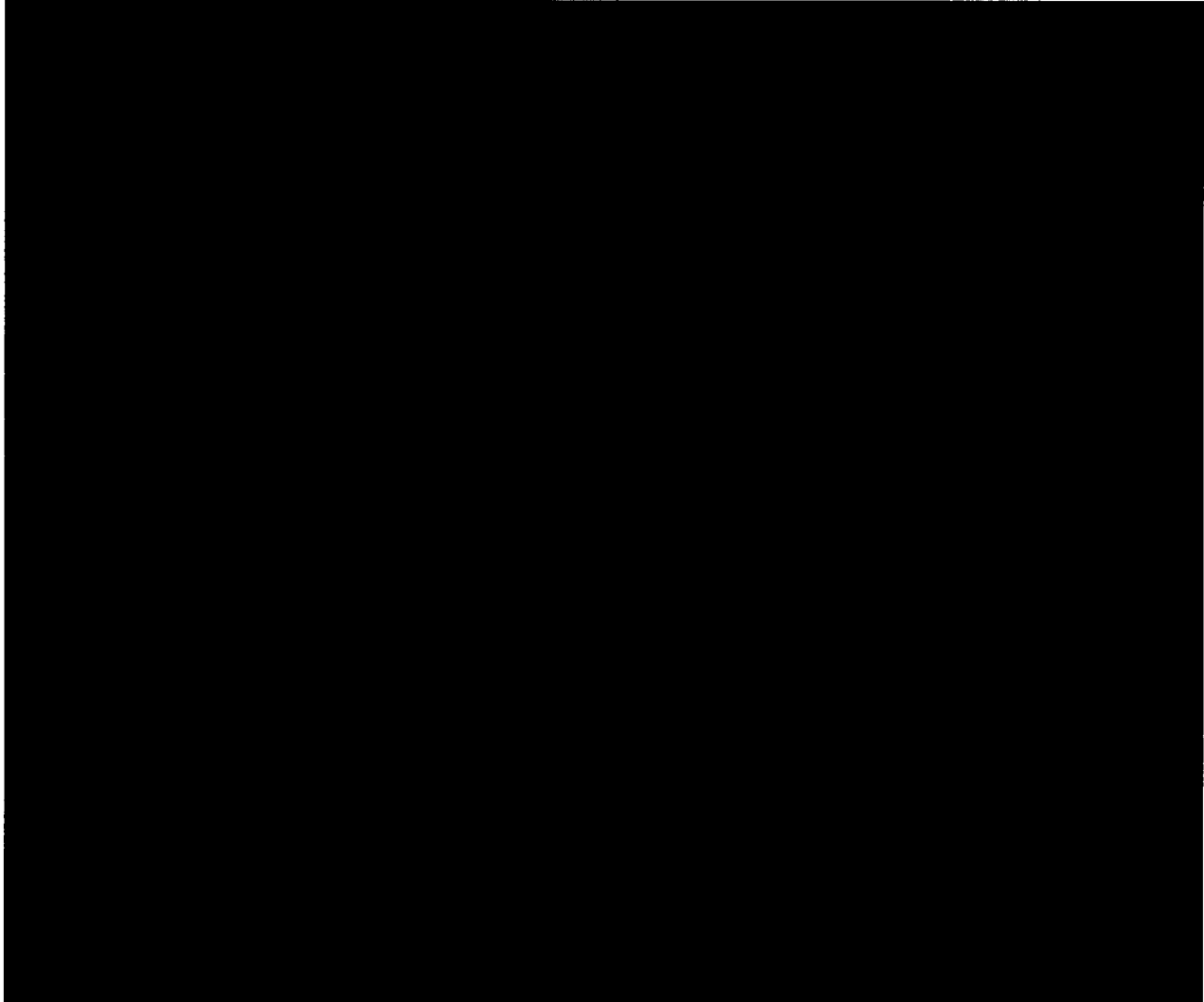
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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

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Subsection 2.65 – Facility Extensions for Premium Service Retail Customers

Retail Customers requesting an underground or overhead Facility Extension for the provision of Premium Service under Section 6.1.2.3.3 of this Tariff must pay a CIAC for the extension. The Standard Allowance is not applicable to these types of Facility Extensions. Given the complexity and magnitude of projects of this nature, Company must conduct a pre-construction study at Retail Customer's expense prior to construction of the Facility Extension. Payment for the pre-construction study is non-refundable and must be made up front. After completion of the pre-construction study, if Retail Customer desires to proceed with the project, Retail Customer and Company must enter into an agreement in the form set out in Section 6.3.4 of this Tariff.

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CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8031

6.1.2.4 DISTRIBUTED GENERATION SERVICE – RATE DGS

Company shall interconnect distributed generation pursuant to Public Utility Commission of Texas Substantive Rules 25.211 and 25.212.

A customer seeking interconnection and parallel operation of distributed generation with Company must complete and submit the Application for Interconnection and Parallel Operation of Distributed Generation and enter into an Agreement for Interconnection and Parallel Operation of Distributed Generation. The form of the application is set out in Section 6.3.2 of this Tariff. The form of the agreement is set out in Section 6.3.3 of this Tariff.

PRE-INTERCONNECTION STUDY FEE SCHEDULE

Pre-certified distributed generation units that are up to 500 Kw that export not more than 15% of the total load on a single radial feeder and also contribute not more than 25% of the maximum potential short circuit current on a radial feeder are exempt from any pre-interconnection study fees. For all other DG applications, the study fees in the following table will apply.

Non-Exporting	0 to 10 kW	10+ to 500 kW	500+ to 2000kW	2000+ to 10,000 kW
1. Pre-certified, not on network	\$0	\$0	\$3,273	\$3,520
2. Non pre-certified, not on network	\$312	\$581	\$3,947	\$4,194
3. Pre-certified, on network	\$272	\$1,075	\$6,269	\$6,516
4. Not pre-certified, on network	\$525	\$1,433 4,150	\$6,943	\$7,190

Exporting	0 to 10 kW	10+ to 500 kW	500+ to 2000kW	2000+ to 10,000 kW
1. Pre-certified, not on network	\$75	\$570	\$3,520	\$3,767
2. Non pre-certified, not on network	\$312	\$792	\$4,194	\$4,441
3. Pre-certified, on network	\$272	\$1,286	\$7,175	\$7,422
4. Not pre-certified, on network	\$495	\$1,645	\$7,849	\$8,096

Revision Number: 2nd

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Chapter 4: Rate Schedules
Wholesale Transmission Service - WTS

CenterPoint Energy Houston Electric, LLC
Applicable: ERCOT Region

A. For Service to Load Within ERCOT:

The monthly transmission service charge shall be calculated by multiplying (a) the monthly transmission service rate by (b) the DSP's previous year's average 4CP kW demand that is coincident with the ERCOT 4CP demand.

Transmission Service Monthly Rate: ~~\$0.475473~~ per kW per Month

B. For Service to Export Electric Power From ERCOT

The monthly transmission service charge shall be calculated by multiplying (a) the ERCOT export entity reported load across the DC ties by (b) the hourly on-peak rate for the months of June through September kW and the hourly off-peak rate for all other months.

Annual Rate per kW
Monthly On-Peak Rate per kW
Monthly Off-Peak Rate per kW
Weekly On-Peak Rate per kW
Weekly Off-Peak Rate per kW
Daily On-Peak Rate per kW
Daily Off-Peak Rate per kW
Hourly On-Peak Rate per kW
Hourly Off-Peak Rate per kW



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PAYMENT

All charges due to the Company under this rate schedule shall be billed in accordance with PUC Substantive Rule 25.202. The DSP or export entity shall make payment to Company in a manner consistent with the procedures and deadlines set forth in PUC Substantive Rule 25.202. Any late payments by DSP or export entity, or default by DSP or export entity shall be handled in accordance with PUC Substantive Rule 25.202.

Exhibit MAT- 10
 Tariff for WTS (Annotated)
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Chapter 4: Rate Schedules
 Wholesale Transmission Service - WTS

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CenterPoint Energy Houston Electric, LLC
 Applicable: ERCOT Region

upon either the DSP's coincident peak load as defined in PUC Substantive Rule 25.192(d) or the ERCOT export entity reported load scheduled across the DC ties.

A. For Service to Load Within ERCOT:

The monthly transmission service charge shall be calculated by multiplying (a) the monthly transmission service rate by (b) the DSP's previous year's average 4CP kW demand that is coincident with the ERCOT 4CP demand.

Transmission Service Monthly Rate: \$0.473747 per kW per Month

B. For Service to Export Electric Power From ERCOT

The monthly transmission service charge shall be calculated by multiplying (a) the ERCOT export entity reported load across the DC ties by (b) the hourly on-peak rate for the months of June through September kW and the hourly off-peak rate for all other months.

Annual Rate per kW	\$ 5.684962
Monthly On-Peak Rate per kW	\$1.421241
Monthly Off-Peak Rate per kW	\$0.473747
Weekly On-Peak Rate per kW	\$0.326186
Weekly Off-Peak Rate per kW	\$0.109326
Daily On-Peak Rate per kW	\$0.046598
Daily Off-Peak Rate per kW	\$0.015575
Hourly On-Peak Rate per kW	\$0.001942
Hourly Off-Peak Rate per kW	\$0.000649

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PAYMENT

All charges due to the Company under this rate schedule shall be billed in accordance with PUC Substantive Rule 25.202. The DSP or export entity shall make payment to Company
 Revision Number: 18th

Effective: xx/xx/xx
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CenterPoint Energy Houston Electric, LLC

WP Exhibit MAT-10
WTS Tariff
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Development of Interim Transmission Rates



CenterPoint Energy Houston Electric, LLC

Exhibit MAT- 10
WTS Tariff Rate
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Development of Transmission Rates

CenterPoint Energy Houston Electric, LLC

Development of Wholesale Transmission Service Rate:

	<u>Annual</u>
Wholesale Transmission Cost-of-Service	\$394,359,947
2018 ERCOT Average 4CPs	<u>69,368,963.5 kW</u>
Annual Wholesale Transmission Service Rate	<u>\$5.684962 per kW</u>

Development of Wholesale Transmission Service Rate for Exports from ERCOT:

Monthly On-Peak Rate for Exports - 1/4 of annual rate	\$1.421241 per kW
Monthly Off-Peak Rate for Exports - 1/12 of annual rate	\$0.473747 per kW
Weekly on-peak rate per kW - (365/12*4=122) 122/7 of annual rate	\$0.326186 per kW
Weekly off-peak rate per kW - 1/52 of annual rate	\$0.109326 per kW
Daily on-peak rate per kW - 1/122 of annual rate	\$0.046598 per kW
Daily off-peak rate per kW - 1/365 of annual rate	\$0.015575 per kW
Hourly on-peak rate per kW - (122*24=2928) 1/2928 of annual rate	\$0.001942 per kW
Hourly off-peak rate per kW - 1/8760 of annual rate	\$0.000649 per kW

**Removal of Issues Not to be Addressed
from
Direct Testimony of Myles F. Reynolds**

**APPLICATION OF CENTERPOINT
ENERGY HOUSTON ELECTRIC, LLC
FOR AUTHORITY TO CHANGE RATES**

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**PUBLIC UTILITY COMMISSION

OF TEXAS**

**DIRECT TESTIMONY
OF
MYLES F. REYNOLDS
ON BEHALF OF
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC**

WITHDRAWN

April 2019

DIRECT TESTIMONY OF
MYLES F. REYNOLDS HAS BEEN WITHDRAWN

Bates Pages 3744-3815 &
Electronic Files:

WP-MFR-01

WP-MFR-02

WP-MFR-03

WP-MFR-04

WP-MFR-05