



Control Number: 49421



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SOAH DOCKET NO. 473-19-3864
PUC DOCKET NO. 49421

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APPLICATION OF CENTERPOINT § BEFORE THE STATE OFFICE
ENERGY HOUSTON ELECTRIC, LLC § OF
FOR AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS

May 6, 2019

Contact: Denise Hardcastle
CenterPoint Energy Houston Electric, LLC
1111 Louisiana Street
Houston, Texas 77002
Tel No: (713) 207-5767
Fax: (713) 207-9840
Denise.Hardcastle@CenterPointEnergy.com

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The responses to COH01, questions 6,8, 10, 12 and 29 are confidential and is being provided under separate cover.

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-01**

QUESTION:

Provide CEHE's distribution O&M expenses by FERC account for each year since 2009.

ANSWER:

Please see Schedules II-D-1a and II-D-2a in the RFP for CEHE's distribution O&M Expenses by FERC account for the test year and the prior three years of 2015 through 2017. The expenses shown for prior years are books and records amounts and are not adjusted. Per the Rate Filing Package General Instruction 19, as approved in PUC Project No. 39548, the requested information for years prior to 2015 is not being provided because a party may not request historical data for a period in excess of the RFP requirements without receiving a good cause exception from the administrative law judge.

SPONSOR (PREPARER):

Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-02**

QUESTION:

Provide CEHE's distribution capital additions by FERC account for each year since 2009.

ANSWER:

Please see COH01-02 Attachment 1.xlsx for CEHE's distribution capital additions by FERC account for each year since 2009.

SPONSOR (PREPARER):
Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:
COH01-02 Attachment 1.xlsx

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

Additions

Year Ended December 31, 2010

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	202,023	3,542	66,127	78,741	53,612	202,023
350.01	Land and Land Fees	-	-	-	-	-	-
350.02	Land and Land Rights	8,160	8,159	0	-	-	8,160
352.01	Structures and Improvements	4,021,164	3,881,667	139,497	-	-	4,021,164
353.01	Station Equipment	30,576,185	28,188,033	2,388,152	-	-	30,576,185
354.01	Towers and Fixtures	6,732,525	6,732,525	-	-	-	6,732,525
355.01	Poles, Towers, and Fixtures	1,491,494	1,491,494	-	-	-	1,491,494
356.01	Overhead Conductors and Devices	11,978,263	11,978,263	-	-	-	11,978,263
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	-	-	-	-	-	-
359.01	Roads and Trails	899,052	899,052	-	-	-	899,052
360.01	Land and Land Fees	-	-	-	-	-	-
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	358,828	124,234	234,594	-	-	358,828
362.01	Station Equipment	27,542,071	10,301,221	17,240,850	-	-	27,542,071
364.01	Poles, Towers and Fixtures	20,954,278	-	20,954,278	-	-	20,954,278
365.01	Overhead Conductors and Devices	26,271,637	-	26,271,637	-	-	26,271,637
366.01	Underground Conduit	5,412,207	-	5,412,207	-	-	5,412,207
367.01	Underground Conductors and Devices	25,403,743	-	25,403,743	-	-	25,403,743
368.01	Line Transformers	50,073,835	-	50,073,835	-	-	50,073,835
369.01	Services	5,733,853	-	5,733,853	-	-	5,733,853
370.01	Meters	1,518,637	-	-	1,518,637	-	1,518,637
370.03	Automated Meters	-	-	-	-	-	-
373.01	Street Lighting and Signal Systems	12,984,090	-	12,984,090	-	-	12,984,090
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	629,122	-	629,122	-	-	629,122
389.01	Land and Land Fees	-	-	-	-	-	-
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	726,486	90,261	622,932	8,225	5,067	726,486
391.01	Office Furniture and Equipment	42,937	3,386	30,310	383	8,857	42,937
392.01	Transportation Equipment	3,153,809	833,923	1,892,742	114,241	312,902	3,153,809
393.01	Stores Equipment	-	-	-	-	-	-
394.01	Tools, Shop and Garage Equipment	178,099	1,428	174,567	2,104	-	178,099
395.01	Laboratory Equipment	617,886	-	108,132	488,700	21,054	617,886
396.01	Power Operated Equipment	1,481,725	689,094	532,683	10,737	249,210	1,481,725
397.01	Communication Equipment	8,848,723	1,772,399	5,591,508	630,029	854,787	8,848,723
397.02	Computer Equipment	2,879,435	534,904	1,896,418	190,141	257,972	2,879,435

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2010

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	145,030	24,826	100,982	960	18,262	145,030
	Total	250,865,294	67,558,411	178,482,260	3,042,899	1,781,723	250,865,294

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2011

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	-	-	-	-	-	-
350.01	Land and Land Fees	(278)	(274)	(5)	-	-	(278)
350.02	Land and Land Rights	22,278	22,278	0	-	-	22,278
352.01	Structures and Improvements	5,393,981	5,206,860	187,121	-	-	5,393,981
353.01	Station Equipment	25,162,765	23,197,428	1,965,337	-	-	25,162,765
354.01	Towers and Fixtures	8,011,273	8,011,273	-	-	-	8,011,273
355.01	Poles, Towers, and Fixtures	5,252,628	5,252,628	-	-	-	5,252,628
356.01	Overhead Conductors and Devices	13,656,442	13,656,442	-	-	-	13,656,442
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	1,252,543	1,252,543	-	-	-	1,252,543
359.01	Roads and Trails	2,283,429	2,283,429	-	-	-	2,283,429
360.01	Land and Land Fees	-	-	-	-	-	-
360.02	Land and Land Rights	33,062	1,717	31,345	-	-	33,062
361.01	Structures and Improvements	1,591,719	551,088	1,040,632	-	-	1,591,719
362.01	Station Equipment	31,946,361	11,948,503	19,997,858	-	-	31,946,361
364.01	Poles, Towers and Fixtures	23,666,100	-	23,666,100	-	-	23,666,100
365.01	Overhead Conductors and Devices	24,687,871	-	24,687,871	-	-	24,687,871
366.01	Underground Conduit	6,239,466	-	6,239,466	-	-	6,239,466
367.01	Underground Conductors and Devices	28,883,585	-	28,883,585	-	-	28,883,585
368.01	Line Transformers	51,991,468	-	51,991,468	-	-	51,991,468
369.01	Services	5,975,495	-	5,975,495	-	-	5,975,495
370.01	Meters	658,814	-	-	658,814	-	658,814
370.03	Automated Meters	-	-	-	-	-	-
373.01	Street Lighting and Signal Systems	12,717,082	-	12,717,082	-	-	12,717,082
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	422,294	-	422,294	-	-	422,294
389.01	Land and Land Fees	-	-	-	-	-	-
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	369,717	45,935	317,017	4,186	2,579	369,717
391.01	Office Furniture and Equipment	52,896	4,171	37,341	472	10,912	52,896
392.01	Transportation Equipment	9,678,055	2,559,050	5,808,235	350,571	960,199	9,678,055
393.01	Stores Equipment	913	270	630	13	-	913
394.01	Tools, Shop and Garage Equipment	756,247	6,065	741,248	8,933	-	756,247
395.01	Laboratory Equipment	188,482	-	32,985	149,075	6,422	188,482
396.01	Power Operated Equipment	354,922	165,061	127,595	2,572	59,694	354,922
397.01	Communication Equipment	1,249,179	250,211	789,356	88,942	120,671	1,249,179
397.02	Computer Equipment	6,702,613	1,245,125	4,414,392	442,601	600,495	6,702,613

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2011

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	681,780	116,707	474,710	4,514	85,849	681,780
	Total	269,883,181	75,776,509	190,549,161	1,710,692	1,846,820	269,883,181

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2012

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	704,853	12,358	230,717	274,727	187,051	704,853
350.01	Land and Land Fees	-	-	-	-	-	-
350.02	Land and Land Rights	171,195	171,192	3	-	-	171,195
352.01	Structures and Improvements	2,078,842	2,006,726	72,116	-	-	2,078,842
353.01	Station Equipment	44,884,162	41,378,485	3,505,677	-	-	44,884,162
354.01	Towers and Fixtures	10,414,275	10,414,275	-	-	-	10,414,275
355.01	Poles, Towers, and Fixtures	8,476,441	8,476,441	-	-	-	8,476,441
356.01	Overhead Conductors and Devices	22,176,122	22,176,122	-	-	-	22,176,122
357.01	Underground Conduit	20,822,739	20,822,739	-	-	-	20,822,739
358.01	Underground Conductors and Devices	9,967,899	9,967,899	-	-	-	9,967,899
359.01	Roads and Trails	6,368,282	6,368,282	-	-	-	6,368,282
360.01	Land and Land Fees	-	-	-	-	-	-
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	2,306,540	798,574	1,507,966	-	-	2,306,540
362.01	Station Equipment	46,700,845	17,466,941	29,233,904	-	-	46,700,845
364.01	Poles, Towers and Fixtures	25,624,744	-	25,624,744	-	-	25,624,744
365.01	Overhead Conductors and Devices	28,681,350	-	28,681,350	-	-	28,681,350
366.01	Underground Conduit	13,891,197	-	13,891,197	-	-	13,891,197
367.01	Underground Conductors and Devices	46,014,999	-	46,014,999	-	-	46,014,999
368.01	Line Transformers	57,306,652	-	57,306,652	-	-	57,306,652
369.01	Services	5,298,693	-	5,298,693	-	-	5,298,693
370.01	Meters	772,736	-	-	772,736	-	772,736
370.03	Automated Meters	4,212,986	-	-	4,212,986	-	4,212,986
373.01	Street Lighting and Signal Systems	14,134,986	-	14,134,986	-	-	14,134,986
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	416,957	-	416,957	-	-	416,957
389.01	Land and Land Fees	-	-	-	-	-	-
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	2,399,095	298,071	2,057,128	27,163	16,733	2,399,095
391.01	Office Furniture and Equipment	124,413	9,811	87,827	1,110	25,665	124,413
392.01	Transportation Equipment	20,332,666	5,376,318	12,202,546	736,516	2,017,286	20,332,666
393.01	Stores Equipment	-	-	-	-	-	-
394.01	Tools, Shop and Garage Equipment	348,541	2,795	341,628	4,117	-	348,541
395.01	Laboratory Equipment	2,374,810	-	415,600	1,878,290	80,919	2,374,810
396.01	Power Operated Equipment	2,468,349	1,147,935	887,377	17,887	415,150	2,468,349
397.01	Communication Equipment	15,786,439	3,162,024	9,975,451	1,123,994	1,524,970	15,786,439
397.02	Computer Equipment	11,962,841	2,222,303	7,878,819	789,955	1,071,765	11,962,841

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2012

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	20,861	3,571	14,525	138	2,627	20,861
	Total	427,245,509	152,282,860	259,780,863	9,839,620	5,342,166	427,245,509

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2013

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	10,495,928	184,029	3,435,588	4,090,941	2,785,369	10,495,928
350.01	Land and Land Fees	-	-	-	-	-	-
350.02	Land and Land Rights	535,290	535,279	11	-	-	535,290
352.01	Structures and Improvements	3,049,064	2,943,290	105,774	-	-	3,049,064
353.01	Station Equipment	56,707,142	52,278,032	4,429,110	-	-	56,707,142
354.01	Towers and Fixtures	15,943,489	15,943,489	-	-	-	15,943,489
355.01	Poles, Towers, and Fixtures	4,927,737	4,927,737	-	-	-	4,927,737
356.01	Overhead Conductors and Devices	16,660,700	16,660,700	-	-	-	16,660,700
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	181,183	181,183	-	-	-	181,183
359.01	Roads and Trails	1,864,303	1,864,303	-	-	-	1,864,303
360.01	Land and Land Fees	2,541,403	1,472,053	1,069,349	-	-	2,541,403
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	6,266,565	2,169,620	4,096,945	-	-	6,266,565
362.01	Station Equipment	66,967,425	25,047,000	41,920,425	-	-	66,967,425
364.01	Poles, Towers and Fixtures	34,643,068	-	34,643,068	-	-	34,643,068
365.01	Overhead Conductors and Devices	42,143,684	-	42,143,684	-	-	42,143,684
366.01	Underground Conduit	21,488,910	-	21,488,910	-	-	21,488,910
367.01	Underground Conductors and Devices	35,571,821	-	35,571,821	-	-	35,571,821
368.01	Line Transformers	58,319,608	-	58,319,608	-	-	58,319,608
369.01	Services	6,436,638	-	6,436,638	-	-	6,436,638
370.01	Meters	1,061,351	-	-	1,061,351	-	1,061,351
370.03	Automated Meters	6,992,858	-	-	6,992,858	-	6,992,858
373.01	Street Lighting and Signal Systems	15,224,690	-	15,224,690	-	-	15,224,690
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	382,435	-	382,435	-	-	382,435
389.01	Land and Land Fees	4,347	146	4,150	41	10	4,347
389.02	Land and Land Rights	115,840	368	105,612	774	9,086	115,840
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	4,950,635	615,083	4,244,972	56,052	34,528	4,950,635
391.01	Office Furniture and Equipment	1,358,108	107,094	958,732	12,118	280,166	1,358,108
392.01	Transportation Equipment	7,143,459	1,888,857	4,287,111	258,760	708,731	7,143,459
393.01	Stores Equipment	-	-	-	-	-	-
394.01	Tools, Shop and Garage Equipment	588,246	4,718	576,579	6,948	-	588,246
395.01	Laboratory Equipment	1,518,070	-	265,668	1,200,676	51,727	1,518,070
396.01	Power Operated Equipment	3,028,046	1,408,229	1,088,589	21,943	509,285	3,028,046
397.01	Communication Equipment	49,874,694	9,989,901	31,515,819	3,551,078	4,817,895	49,874,694
397.02	Computer Equipment	6,615,795	1,228,997	4,357,214	436,868	592,717	6,615,795

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2013

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	439,512	75,235	306,023	2,910	55,343	439,512
	Total	484,042,046	139,525,343	316,978,527	17,693,318	9,844,858	484,042,046

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

Additions

Year Ended December 31, 2014

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	39,505,263	692,661	12,931,093	15,397,753	10,483,756	39,505,263
350.01	Land and Land Fees	1,557,634	1,532,188	25,446	-	-	1,557,634
350.02	Land and Land Rights	24,108	24,108	0	-	-	24,108
352.01	Structures and Improvements	6,824,218	6,587,482	236,736	-	-	6,824,218
353.01	Station Equipment	38,195,561	35,212,297	2,983,264	-	-	38,195,561
354.01	Towers and Fixtures	38,325,535	38,325,535	-	-	-	38,325,535
355.01	Poles, Towers, and Fixtures	8,680,101	8,680,101	-	-	-	8,680,101
356.01	Overhead Conductors and Devices	27,103,241	27,103,241	-	-	-	27,103,241
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	-	-	-	-	-	-
359.01	Roads and Trails	2,466,996	2,466,996	-	-	-	2,466,996
360.01	Land and Land Fees	2,686,905	1,556,332	1,130,573	-	-	2,686,905
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	2,220,388	768,746	1,451,642	-	-	2,220,388
362.01	Station Equipment	70,384,674	26,325,111	44,059,563	-	-	70,384,674
364.01	Poles, Towers and Fixtures	55,585,264	-	55,585,264	-	-	55,585,264
365.01	Overhead Conductors and Devices	59,008,484	-	59,008,484	-	-	59,008,484
366.01	Underground Conduit	36,543,946	-	36,543,946	-	-	36,543,946
367.01	Underground Conductors and Devices	71,826,056	-	71,826,056	-	-	71,826,056
368.01	Line Transformers	72,084,887	-	72,084,887	-	-	72,084,887
369.01	Services	11,132,655	-	11,132,655	-	-	11,132,655
370.01	Meters	1,825,535	-	-	1,825,535	-	1,825,535
370.03	Automated Meters	4,047,347	-	-	4,047,347	-	4,047,347
373.01	Street Lighting and Signal Systems	23,170,378	-	23,170,378	-	-	23,170,378
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	522,691	-	522,691	-	-	522,691
389.01	Land and Land Fees	-	-	-	-	-	-
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	64,516,912	8,015,788	55,320,681	730,466	449,977	64,516,912
391.01	Office Furniture and Equipment	1,078,740	85,064	761,516	9,625	222,534	1,078,740
392.01	Transportation Equipment	21,983,489	5,812,825	13,193,279	796,314	2,181,071	21,983,489
393.01	Stores Equipment	17,352	5,136	11,971	245	-	17,352
394.01	Tools, Shop and Garage Equipment	4,718,870	37,847	4,625,283	55,740	-	4,718,870
395.01	Laboratory Equipment	2,831,827	-	495,580	2,239,755	96,492	2,831,827
396.01	Power Operated Equipment	1,935,109	899,945	695,676	14,023	325,465	1,935,109
397.01	Communication Equipment	29,989,478	6,006,892	18,950,351	2,135,251	2,896,984	29,989,478
397.02	Computer Equipment	13,754,655	2,555,163	9,058,921	908,276	1,232,295	13,754,655

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2014

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	525,595	89,971	365,961	3,480	66,182	525,595
	Total	715,073,890	172,783,429	496,171,897	28,163,809	17,954,755	715,073,890

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2015

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	83,294,479	1,460,433	27,264,434	32,465,240	22,104,371	83,294,479
350.01	Land and Land Fees	494,114	486,042	8,072	-	-	494,114
350.02	Land and Land Rights	-	-	-	-	-	-
352.01	Structures and Improvements	21,787,442	21,031,622	755,820	-	-	21,787,442
353.01	Station Equipment	84,125,308	77,554,702	6,570,606	-	-	84,125,308
354.01	Towers and Fixtures	32,448,458	32,448,458	-	-	-	32,448,458
355.01	Poles, Towers, and Fixtures	7,860,250	7,860,250	-	-	-	7,860,250
356.01	Overhead Conductors and Devices	15,667,502	15,667,502	-	-	-	15,667,502
357.01	Underground Conduit	9,365,445	9,365,445	-	-	-	9,365,445
358.01	Underground Conductors and Devices	-	-	-	-	-	-
359.01	Roads and Trails	1,085,068	1,085,068	-	-	-	1,085,068
360.01	Land and Land Fees	254,289	147,291	106,997	-	-	254,289
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	10,714,378	3,709,548	7,004,829	-	-	10,714,378
362.01	Station Equipment	129,951,221	48,604,052	81,347,169	-	-	129,951,221
364.01	Poles, Towers and Fixtures	43,610,498	-	43,610,498	-	-	43,610,498
365.01	Overhead Conductors and Devices	52,266,481	-	52,266,481	-	-	52,266,481
366.01	Underground Conduit	47,223,076	-	47,223,076	-	-	47,223,076
367.01	Underground Conductors and Devices	71,134,103	-	71,134,103	-	-	71,134,103
368.01	Line Transformers	84,589,774	-	84,589,774	-	-	84,589,774
369.01	Services	4,617,061	-	4,617,061	-	-	4,617,061
370.01	Meters	2,809,463	-	-	2,809,463	-	2,809,463
370.03	Automated Meters	17,109,024	-	-	17,109,024	-	17,109,024
373.01	Street Lighting and Signal Systems	39,260,051	-	39,260,051	-	-	39,260,051
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	448,696	-	448,696	-	-	448,696
389.01	Land and Land Fees	-	-	-	-	-	-
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	47,174,820	5,861,151	40,450,528	534,117	329,023	47,174,820
391.01	Office Furniture and Equipment	2,286,588	180,309	1,614,175	20,402	471,703	2,286,588
392.01	Transportation Equipment	9,793,756	2,589,643	5,877,673	354,762	971,678	9,793,756
393.01	Stores Equipment	94,656	28,018	65,304	1,334	-	94,656
394.01	Tools, Shop and Garage Equipment	2,669,949	21,414	2,616,997	31,538	-	2,669,949
395.01	Laboratory Equipment	1,290,578	-	225,856	1,020,747	43,975	1,290,578
396.01	Power Operated Equipment	2,980,881	1,386,294	1,071,633	21,601	501,353	2,980,881
397.01	Communication Equipment	78,934,138	15,810,508	49,878,482	5,620,111	7,625,038	78,934,138
397.02	Computer Equipment	80,875,364	15,023,985	53,265,136	5,340,528	7,245,716	80,875,364

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

Additions

Year Ended December 31, 2015

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	2,518,830	431,172	1,753,812	16,678	317,168	2,518,830
	Total	988,735,740	260,752,908	623,027,264	65,345,544	39,610,025	988,735,740

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2016

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	7,814,001	137,006	2,557,724	3,045,621	2,073,650	7,814,001
350.01	Land and Land Fees	11,671,447	11,480,778	190,669	-	-	11,671,447
350.02	Land and Land Rights	14,327,943	14,327,658	285	-	-	14,327,943
352.01	Structures and Improvements	13,699,525	13,224,280	475,245	-	-	13,699,525
353.01	Station Equipment	79,835,523	73,599,971	6,235,552	-	-	79,835,523
354.01	Towers and Fixtures	62,800,020	62,800,020	-	-	-	62,800,020
355.01	Poles, Towers, and Fixtures	13,659,441	13,659,441	-	-	-	13,659,441
356.01	Overhead Conductors and Devices	30,860,347	30,860,347	-	-	-	30,860,347
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	-	-	-	-	-	-
359.01	Roads and Trails	5,908,130	5,908,130	-	-	-	5,908,130
360.01	Land and Land Fees	-	-	-	-	-	-
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	3,189,535	1,104,286	2,085,249	-	-	3,189,535
362.01	Station Equipment	45,049,926	16,849,468	28,200,458	-	-	45,049,926
364.01	Poles, Towers and Fixtures	55,085,773	-	55,085,773	-	-	55,085,773
365.01	Overhead Conductors and Devices	56,853,399	-	56,853,399	-	-	56,853,399
366.01	Underground Conduit	36,971,245	-	36,971,245	-	-	36,971,245
367.01	Underground Conductors and Devices	63,923,845	-	63,923,845	-	-	63,923,845
368.01	Line Transformers	92,605,778	-	92,605,778	-	-	92,605,778
369.01	Services	8,105,587	-	8,105,587	-	-	8,105,587
370.01	Meters	2,899,187	-	-	2,899,187	-	2,899,187
370.03	Automated Meters	13,102,166	-	-	13,102,166	-	13,102,166
373.01	Street Lighting and Signal Systems	47,936,100	-	47,936,100	-	-	47,936,100
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	511,680	-	511,680	-	-	511,680
389.01	Land and Land Fees	1,850,654	62,196	1,766,816	17,382	4,260	1,850,654
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	-	-	-	-	-	-
390.01	Structures and Improvements	5,939,646	737,961	5,093,009	67,249	41,426	5,939,646
391.01	Office Furniture and Equipment	490,950	38,714	346,577	4,380	101,279	490,950
392.01	Transportation Equipment	16,848,578	4,455,063	10,111,588	610,311	1,671,615	16,848,578
393.01	Stores Equipment	76,302	22,585	52,642	1,075	-	76,302
394.01	Tools, Shop and Garage Equipment	2,752,394	22,075	2,697,807	32,511	-	2,752,394
395.01	Laboratory Equipment	141,333	-	24,734	111,783	4,816	141,333
396.01	Power Operated Equipment	1,076,378	500,582	386,960	7,800	181,035	1,076,378
397.01	Communication Equipment	22,946,650	4,596,214	14,499,988	1,633,802	2,216,646	22,946,650
397.02	Computer Equipment	8,505,034	1,579,956	5,601,481	561,622	761,976	8,505,034

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2016

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	1,374,199	235,235	956,828	9,099	173,038	1,374,199
	Total	728,812,717	256,201,966	443,277,021	22,103,989	7,229,741	728,812,717

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2017

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	49,408,483	866,298	16,172,673	19,257,678	13,111,835	49,408,483
350.01	Land and Land Fees	3,173,318	3,121,478	51,841	-	-	3,173,318
350.02	Land and Land Rights	31,395,412	31,394,787	625	-	-	31,395,412
352.01	Structures and Improvements	41,809,224	40,358,836	1,450,388	-	-	41,809,224
353.01	Station Equipment	137,364,595	126,635,736	10,728,859	-	-	137,364,595
354.01	Towers and Fixtures	85,171,672	85,171,672	-	-	-	85,171,672
355.01	Poles, Towers, and Fixtures	8,947,348	8,947,348	-	-	-	8,947,348
356.01	Overhead Conductors and Devices	35,265,138	35,265,138	-	-	-	35,265,138
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	58,897	58,897	-	-	-	58,897
359.01	Roads and Trails	28,281,330	28,281,330	-	-	-	28,281,330
360.01	Land and Land Fees	6,892,758	3,992,483	2,900,275	-	-	6,892,758
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	7,825,940	2,709,509	5,116,431	-	-	7,825,940
362.01	Station Equipment	70,261,386	26,278,999	43,982,386	-	-	70,261,386
364.01	Poles, Towers and Fixtures	54,083,637	-	54,083,637	-	-	54,083,637
365.01	Overhead Conductors and Devices	52,488,390	-	52,488,390	-	-	52,488,390
366.01	Underground Conduit	22,383,181	-	22,383,181	-	-	22,383,181
367.01	Underground Conductors and Devices	56,969,046	-	56,969,046	-	-	56,969,046
368.01	Line Transformers	87,821,344	-	87,821,344	-	-	87,821,344
369.01	Services	7,699,331	-	7,699,331	-	-	7,699,331
370.01	Meters	2,147,316	-	-	2,147,316	-	2,147,316
370.03	Automated Meters	13,489,480	-	-	13,489,480	-	13,489,480
373.01	Street Lighting and Signal Systems	39,238,405	-	39,238,405	-	-	39,238,405
373.02	Security Lighting	-	-	-	-	-	-
374.01	Security Lighting	548,461	-	548,461	-	-	548,461
389.01	Land and Land Fees	459	15	438	4	1	459
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	362,060	77,621	240,506	19,836	24,098	362,060
390.01	Structures and Improvements	2,711,685	336,908	2,325,162	30,702	18,913	2,711,685
391.01	Office Furniture and Equipment	1,438,417	113,426	1,015,424	12,834	296,733	1,438,417
392.01	Transportation Equipment	3,789,097	1,001,904	2,274,007	137,254	375,932	3,789,097
393.01	Stores Equipment	16,542	4,896	11,412	233	-	16,542
394.01	Tools, Shop and Garage Equipment	1,944,105	15,593	1,905,549	22,964	-	1,944,105
395.01	Laboratory Equipment	2,714,594	-	475,064	2,147,033	92,497	2,714,594
396.01	Power Operated Equipment	343,781	159,879	123,590	2,491	57,820	343,781
397.01	Communication Equipment	16,837,580	3,372,567	10,639,667	1,198,836	1,626,510	16,837,580
397.02	Computer Equipment	3,907,966	725,972	2,573,817	258,059	350,119	3,907,966

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2017

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	2,791,493	477,847	1,943,662	18,483	351,502	2,791,493
	Total	879,581,872	399,369,139	425,163,571	38,743,203	16,305,959	879,581,872

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2018

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
303.02	Misc Intangible Plant - NMF S/W	22,874,077	401,060	7,487,276	8,915,506	6,070,235	22,874,077
350.01	Land and Land Fees	-	-	-	-	-	-
350.02	Land and Land Rights	8,724,102	8,723,928	174	-	-	8,724,102
352.01	Structures and Improvements	28,892,181	27,889,893	1,002,288	-	-	28,892,181
353.01	Station Equipment	47,064,452	43,388,484	3,675,968	-	-	47,064,452
354.01	Towers and Fixtures	193,344,852	193,344,852	-	-	-	193,344,852
355.01	Poles, Towers, and Fixtures	3,172,381	3,172,381	-	-	-	3,172,381
356.01	Overhead Conductors and Devices	62,550,210	62,550,210	-	-	-	62,550,210
357.01	Underground Conduit	-	-	-	-	-	-
358.01	Underground Conductors and Devices	-	-	-	-	-	-
359.01	Roads and Trails	8,981,911	8,981,911	-	-	-	8,981,911
360.01	Land and Land Fees	4,789,592	2,774,269	2,015,323	-	-	4,789,592
360.02	Land and Land Rights	-	-	-	-	-	-
361.01	Structures and Improvements	12,000,893	4,154,967	7,845,925	-	-	12,000,893
362.01	Station Equipment	80,346,331	30,050,947	50,295,385	-	-	80,346,331
364.01	Poles, Towers and Fixtures	52,016,958	-	52,016,958	-	-	52,016,958
365.01	Overhead Conductors and Devices	54,129,322	-	54,129,322	-	-	54,129,322
366.01	Underground Conduit	35,749,688	-	35,749,688	-	-	35,749,688
367.01	Underground Conductors and Devices	74,160,994	-	74,160,994	-	-	74,160,994
368.01	Line Transformers	86,822,087	-	86,822,087	-	-	86,822,087
369.01	Services	6,840,555	-	6,840,555	-	-	6,840,555
370.01	Meters	2,060,070	-	-	2,060,070	-	2,060,070
370.03	Automated Meters	7,979,935	-	-	7,979,935	-	7,979,935
373.01	Street Lighting and Signal Systems	45,536,338	-	45,536,338	-	-	45,536,338
373.02	Security Lighting	621,571	-	621,571	-	-	621,571
374.01	Security Lighting	-	-	-	-	-	-
389.01	Land and Land Fees	13,771,385	462,824	13,147,513	129,345	31,703	13,771,385
389.02	Land and Land Rights	-	-	-	-	-	-
389.03	Land Owned in Fee	51,882	11,123	34,464	2,842	3,453	51,882
390.01	Structures and Improvements	28,698,171	3,565,553	24,607,538	324,923	200,157	28,698,171
391.01	Office Furniture and Equipment	1,402,607	110,603	990,145	12,515	289,345	1,402,607
392.01	Transportation Equipment	19,585,753	5,178,821	11,754,290	709,460	1,943,181	19,585,753
393.01	Stores Equipment	3,536	1,047	2,439	50	-	3,536
394.01	Tools, Shop and Garage Equipment	1,936,737	15,533	1,898,327	22,877	-	1,936,737
395.01	Laboratory Equipment	1,161,063	-	203,190	918,311	39,562	1,161,063
396.01	Power Operated Equipment	3,524,857	1,639,277	1,267,193	25,543	592,844	3,524,857
397.01	Communication Equipment	12,645,707	2,532,935	7,990,822	900,374	1,221,575	12,645,707
397.02	Computer Equipment	11,160,355	2,073,227	7,350,296	736,963	999,869	11,160,355

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Additions
Year Ended December 31, 2018

FERC Account	Description	Total Company	TRAN	DIST	MET	TDCS	Total
398.01	Miscellaneous Equipment	1,268,840	217,200	883,468	8,401	159,771	1,268,840
	Total	933,869,391	401,241,044	498,329,536	22,747,115	11,551,696	933,869,391

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-03**

QUESTION:

Provide CEHE's transmission O&M expenses by FERC account for each year since 2009.

ANSWER:

Please see Schedules II-D-1a and II-D-2a in the RFP for CEHE's transmission O&M Expenses by FERC account for the test year and the prior three years of 2015 through 2017. The expenses shown for prior years are books and records amounts and are not adjusted. Per the Rate Filing Package General Instruction 19, as approved in PUC Project No. 39548, the requested information for years prior to 2015 is not being provided because a party may not request historical data for a period in excess of the RFP requirements without receiving a good cause exception from the administrative law judge.

SPONSOR (PREPARER):
Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-04**

QUESTION:

Provide CEHE's transmission capital additions by FERC account for each year since 2009.

ANSWER:

Please see CEHE's response to COH01-02 for the Company's transmission capital additions by FERC account for each year since 2009.

SPONSOR (PREPARER):
Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-05**

QUESTION:

Provide CEHE's budgeted and actual distribution O&M expenses for each year since 2016.

ANSWER:

CEHE does not budget O&M at the distribution level and therefore does not have budgeted distribution O&M available for the time period requested. Please see response to COH01-01 for references to the actual distribution O&M expenses.

SPONSOR (PREPARER):
Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-07**

QUESTION:

Provide CEHE's budgeted and actual transmission O&M expenses for each year since 2016.

ANSWER:

CEHE does not budget O&M at the transmission level and therefore does not have budgeted transmission O&M available for the time period requested. Please see response to COH01-03 for references to the actual transmission O&M expenses.

SPONSOR (PREPARER):

Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-09**

QUESTION:

Provide CEHE's budgeted and actual distribution capital additions for each year since 2016.

ANSWER:

CEHE does not budget capital additions at the distribution level. Budgeted DCRF eligible capital additions in 2017 and 2018 were \$422 million and \$506 million respectively. These amounts exclude retirements and changes to accumulated depreciation.

Please see response to COH01-02 for CEHE's actual distribution capital additions for 2017 and 2018.

SPONSOR (PREPARER):

Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-11**

QUESTION:

Provide CEHE's budgeted and actual transmission capital additions for each year since 2016.

ANSWER:

CEHE does not budget capital additions at the transmission level. Budgeted TCOS eligible capital additions in 2017 and 2018 were \$206 million and \$455 million respectively. These amounts exclude retirements and changes to accumulated depreciation.

Please see response to COH01-04 for actual transmission capital additions for 2017 and 2018.

SPONSOR (PREPARER):

Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-13**

QUESTION:

Provide CEHE's SAIDI, excluding major storm events, for each year since 2009

- a. For distribution system outages only;
- b. For transmission system outages only;
- c. For distribution plus transmission outages.

ANSWER:

CEHE provides system-wide SAIDI values to the PUCT on an annual basis. The categories for SAIDI values are: 1) major storm events, 2) forced interruptions (on the distribution system), 3) scheduled interruptions (outages that result when a component is deliberately taken out of service at a selected time for purposes of construction, preventative maintenance, or repair), and 4) outside causes (outages that are caused by influences arising outside of the distribution system, such as generation, transmission, or substation outages). See WP DB (PUCT Subst Rule 25.52) regarding the PUCT rules regarding reliability reporting. SAIDI values for each year since 2009 are provided by these categories. The SAIDI values for outside causes are also broken down by substation and transmission related outages. See attached chart.

SPONSOR (PREPARER):

Dale Bodden (Dale Bodden)

RESPONSIVE DOCUMENTS:

COH01-13 Attachment 1.xlsx

<u>SAIDI</u>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Major Event	2.37	9.32	51.06	32.36	14.2	0.23	59.65	63.46	312.17	4.85
Forced Interruptions	112.25	81.67	94.36	102.54	92.59	85.71	154.61	119.81	102.73	116.46
Scheduled Interruptions	16.05	15.24	18.6	17.92	29.09	32.04	36.8	34.12	36.84	50.05
Outside Causes	4.83	4.49	5.76	4.3	4.57	2.5	8.22	8.45	2.62	7.23
Outside Causes - Substation	4.56	4.48	3.92	4.3	4.54	2.39	7.72	8.28	2.2	4.25
Outside Causes - Transmission	0.27	0	1.84	0	0.03	0.11	0.5	0.16	0.42	2.98

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-14**

QUESTION:

Provide CEHE's SAIDI, including major storm events, for each year since 2009

- a. For distribution system outages only;
- b. For transmission system outages only;
- c. For distribution plus transmission outages.

ANSWER:

See response to COH 1-13 for SAIDI for major storm events.

SPONSOR (PREPARER):
Dale Bodden (Dale Bodden)

RESPONSIVE DOCUMENTS:
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-15**

QUESTION:

Provide CEHE's SAIFI, excluding major storm events, for each year since 2009

- a. For distribution system outages only;
- b. For transmission system outages only;
- c. For distribution plus transmission outages.

ANSWER:

CEHE provides system-wide SAIFI values to the PUCT on an annual basis. The categories for SAIFI values are: 1) major storm events, 2) forced interruptions (on the distribution system), 3) scheduled interruptions (outages that result when a component is deliberately taken out of service at a selected time for purposes of construction, preventative maintenance, or repair), and 4) outside causes (an outage that are caused by influences arising outside of the distribution system, such as generation, transmission, or substation outages). See WP DB (PUCT Subst Rule 25.52). SAIFI values for each year since 2009 are provided by these categories. The SAIFI values for outside causes are also broken down by substation and transmission related outages. See attached chart.

SPONSOR (PREPARER):

Dale Bodden (Dale Bodden)

RESPONSIVE DOCUMENTS:

COH01-15 Attachment 1.xlsx

SAIFI	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Major Event	0.02	0.05	1.45	0.2	0.06	0	0.27	0.26	0.45	0.03
Forced Interr.	1.44	1.08	1.22	1.36	1.16	1.1	1.46	1.22	1.04	1.16
Scheduled Interr.	0.28	0.28	0.3	0.27	0.32	0.3	0.31	0.3	0.29	0.34
Outside Causes	0.14	0.11	0.13	0.14	0.14	0.1	0.12	0.13	0.09	0.14
Outside Causes - Substation	0.12	0.11	0.12	0.14	0.14	0.1	0.12	0.13	0.08	0.13
Outside Causes - Transmission	0.02	0	0.01	0	0	0	0.01	0.01	0	0.01

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-16**

QUESTION:

Provide CEHE's SAIFI, including major storm events, for each year since 2009

- a. For distribution system outages only;
- b. For transmission system outages only;
- c. For distribution plus transmission outages.

ANSWER:

See response to COH01-15 for SAIFI for major storm events.

SPONSOR (PREPARER):

Dale Bodden (Dale Bodden)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-17**

QUESTION:

Provide CEHE's corporate goals for SAIDI and SAIFI performance for each of the last five years and for the next three years.

ANSWER:

See attached chart for the corporate goals for SAIDI and SAIFI performance for each of the last five years and for the next three years.

SPONSOR (PREPARER):

Dale Bodden (Dale Bodden)

RESPONSIVE DOCUMENTS:

COH01-17 Attachment 1.xlsx

COH01-17

	2014	2015	2016	2017	2018	2019	2020	2021
SAIDI Goal	107.5	107.5	107.5	107.5	125.72	125.72	125.72	125.72
SAIFI Goal	1.37	1.37	1.37	1.37	1.24	1.24	1.24	1.24

*2020 and 2021 are subject to change

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-18**

QUESTION:

Describe CEHE's current initiatives for improving distribution system reliability and the investments and expenditures related to each such initiative for each of the last five calendar years.

ANSWER:

CenterPoint Houston utilizes a number of programs and initiatives designed to enhance the reliability of the distribution system including a Pole Maintenance Program, URD Cable Life Extension Program, Meter Maintenance Program, Meter Inspection Program, Tree Trimming Program, Feeder Inspection Program, Pole Top Switch Inspection Program and the Service Restoration Process. These are described in Randal Pryor's testimony on pages 31 to 50. The Company's Infra-Red Program, Root Cause Analysis Program, Hot Fuse Program and Distribution Automation Program are described in Julianne Sugarek's testimony on pages 10 to 15. The Company also has a Power Factor Program that is described in the testimony of Dale Bodden on pages 35 to 36. See attachment COH 1-18 Distribution Reliability Programs Attachment 1.xlsx that provides the O&M expenditures and Capital investments for the last five years for these programs.

SPONSOR (PREPARER):

Randal Pryor/Julienne Sugarek/Dale Bodden (Randal Pryor/Julienne Sugarek/Dale Bodden)

RESPONSIVE DOCUMENTS:

COH01-18 Distribution Reliability Programs Attachment 1.xlsx

COH 1-18 O&M and Capital for Reliability Programs Attachment 1

Program/Initiative	2014		2015		2016		2017		2018	
	O&M	Capital	O&M	Capital	O&M	Capital	O&M	Capital	O&M	Capital
Pole Maintenance (1)	\$5,582,158	\$23,734,418	\$1,791,570	\$8,184,950	\$3,104,184	\$9,444,319	\$6,332,888	\$21,068,944	\$6,399,426	\$19,529,310
URD Cable Life	\$0	\$16,836,243	\$0	\$29,781,661	\$0	\$10,400,100	\$0	\$7,879,803	\$0	\$24,358,602
Meter Maintenance	\$12,585,460	\$0	\$13,306,141	\$0	\$12,920,783	\$0	\$16,823,561	\$0	\$17,506,506	\$0
Meter Inspection	\$0	\$0	\$0	\$0	\$0	\$0	\$188,325	\$0	\$1,529,846	\$0
Tree Trimming (2)	\$22,944,539	\$0	\$27,023,864	\$0	\$29,451,710	\$0	\$27,902,203	\$0	\$35,022,040	\$0
Feeder Inspection (3)	\$1,158,991	\$0	\$1,283,015	\$0	\$1,439,423	\$0	\$1,421,255	\$0	\$932,898	\$0
Pole Top Switch Inspection (3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,112	\$0
Service Restoration	\$24,187,983	\$33,580,958	\$27,305,537	\$46,135,205	\$29,614,026	\$43,041,622	\$31,446,174	\$36,613,636	\$33,811,410	\$40,383,180
Service Restoration - Moved Against Reserve	\$4,640,675	\$0	\$10,668,582	\$0	\$7,568,450	\$0	\$4,553,938	\$0	\$8,971,199	\$0
Infra-Red (3)	\$103,220	\$0	\$129,085	\$0	\$131,650	\$0	\$119,000	\$0	\$118,650	\$0
Root Cause Analysis (3)	\$136,982	\$0	\$148,237	\$0	\$139,440	\$0	\$145,600	\$0	\$147,280	\$0
Hot Fuse Inspection (3)	\$145,795	\$0	\$444,728.25	\$0	\$379,648	\$0	\$190,300	\$0	\$127,160	\$0
Distribution Automation (4)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,255,020
Power Factor	\$410,337	\$3,042,082	\$491,238	\$2,771,431	\$674,287	\$4,108,919	\$773,166	\$4,168,625	\$756,670	\$3,823,827

Notes:

(1) Pole Maintenance O&M is for inspection of CEHE poles. Capital is for replacing and bracing CEHE poles, and transferring CEHE facilities on AT&T poles.

(2) Tree Trimming O&M is for proactive trimming, proactive hazard trees and reactive trimming.

(3) O&M for Feeder Inspection, Pole Top Switch Inspection, Infra-Red, Root Cause Analysis and Hot Fuse Programs is for inspections. O&M and Capital costs for remediation cannot be provided because the expenditures are mixed in with other reliability expenditures in various WBS accounts.

(4) Proactive IGSD replacements were not tracked as a separate program prior to 2018.

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-19**

QUESTION:

Provide any utility industry surveys or benchmarking analyses prepared within the last five calendar years comparing CEHE's SAIDI or SAIFI performance to the performance of other utilities.

ANSWER:

See attachment COH01-19 Reliability Surveys Attachment 1 Highly Sensitive.pdf which contains the industry surveys or benchmarking analyses prepared within the last five calendar years comparing CEHE's SAIDI or SAIFI performance to the performance of other utilities. The attachment is highly sensitive and voluminous and is provided as discussed below. Also, see attachment COH01-19 CEHE ID Numbers Attachment 2 Highly Sensitive.xlsx for the CEHE ID numbers associated with each survey.

The attachments are highly sensitive and are being provided pursuant to the Protective Order issued in Docket No. 49421.

COH01-19 Reliability Surveys Attachment 1 Highly Sensitive.pdf is also voluminous and will be provided to the propounding party only in electronic format on CD. Please contact Alice Hart at (713) 207-5322 to request a copy of the CD. Please see index of voluminous material below. Please see index of voluminous material below.

Date	Title	Preparer	Page #
Undated	2013 SOCO Reliability Slides.pdf	Dale Bodden	1-25
Undated	2014 First Quartile Distribution Reliability.pdf	Dale Bodden	26-143
Undated	2014 First Quartile Substation Reliability.pdf	Dale Bodden	144-168
Undated	2014 First Quartile Transmission Reliability.pdf	Dale Bodden	169-198
Undated	2014 SOCO Reliability Slides.pdf	Dale Bodden	199-224
Undated	2015 EEI Reliability Survey Report.pdf	Dale Bodden	225-370
Undated	2015 First Quartile Distribution Reliability.pdf	Dale Bodden	371-468
Undated	2015 First Quartile Substation Reliability.pdf	Dale Bodden	469-498
Undated	2015 First Quartile Transmission Reliability.pdf	Dale Bodden	499-533
Undated	2015 SEE Reliability Survey Results Final.pdf	Dale Bodden	534 - 564
Undated	2015 SOCO Reliability.pdf	Dale Bodden	565-590
Undated	2016 EEI Reliability Survey Report.pdf	Dale Bodden	591-735
Undated	2016 First Quartile Distribution Reliability.pdf	Dale Bodden	736-832
Undated	2016 First Quartile Substation Reliability(1).pdf	Dale Bodden	833-860
Undated	2016 First Quartile Transmission Reliability.pdf	Dale Bodden	861-948
Undated	2016 SOCO Reliability.pdf	Dale Bodden	949-985
Undated	2017 EEI Reliability Survey Report Revised.pdf	Dale Bodden	986 -1131
Undated	2017 First Quartile Distribution Reliability.pdf	Dale Bodden	1132- 1228
Undated	2017 First Quartile Substation Reliability.pdf	Dale Bodden	1229-1254
Undated	2017 First Quartile Transmission Reliability.pdf	Dale Bodden	1255-1332
Undated	EEI 2014 Reliability Survey Report Book.pdf	Dale Bodden	1333-1482
Undated	First Quartile 2018 TD Distribution.pdf	Dale Bodden	1483-1584
Undated	First Quartile 2018 TD Substation.pdf	Dale Bodden	1585-1612

Undated	First Quartile 2018 TD Transmission.pdf	Dale Bodden	1613-1697
Undated	SEE 2014 Reliability Survey Results Final.pdf	Dale Bodden	1698-1725
Undated	SEE 2018 Reliability Survey Results.pdf	Dale Bodden	1726-1760
Undated	SOCO 2017 Reliability.pdf	Dale Bodden	1761-1783
Undated	SOCO 2018 Reliability.pdf	Dale Bodden	1784-1806

SPONSOR (PREPARER):

Dale Bodden/Randal Pryor/Martin Narendorf (Dale Bodden/Randal Pryor/Martin Narendorf)

RESPONSIVE DOCUMENTS:

COH01-19 Reliability Surveys Attachment 1 Highly Sensitive.pdf
COH01-19 CEHE ID Numbers Attachment 2 Highly Sensitive.xlsx

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-20**

QUESTION:

Explain any factors unique to CEHE's system that contribute to higher SAIDI or SAIFI performance when compared to SAIDI or SAIFI performance of other utilities.

ANSWER:

There are a number of factors that make every utility system different related to reliability performance. In fact, the PUCT recognizes this fact in that for every utility under their jurisdiction, they base the utility's reliability standard for system-wide SAIDI and SAIFI on the utility's own historical record. See WP DB (PUCT Subst Rule 25.52).

Some of the factors that impact the CEHE distribution system include:

- Being located in a geographic area with significant storm activity adjacent to the Gulf of Mexico.
- Significant equipment corrosion issues with facilities located along the coastal environment.
- Lightning strike levels that are the second highest in the United States, just behind Florida.
- Being located in a livable forest with a large number of trees and associated operational issues caused by vegetation.
- Utilizing a one-minute definition for a sustained outage, as opposed to a five-minute definition that is utilized by many other utilities. This makes outages between 1 and 5 minutes a sustained interruption instead of a momentary interruption, which can negatively impact reliability metrics.
- Utilizing 35KV distribution circuits which have approximately three times as many customers on each circuit as a 12KV circuit. This will increase the number of customers impacted by a feeder fault.
- Response times can be impacted by the heavy traffic in the dense urban parts of Houston.

Additionally, CEHE's SAIDI scores were impacted beginning in the spring of 2015 with the migration to a new Advanced Distribution Management System and the adoption of new safety rules that limited the approach distance for one-man crews. As a result of these two developments, CEHE requested and received an adjustment to its system-wide SAIDI and SAIFI standard from the PUC in 2018.

SPONSOR:

Dale Bodden/Randal Pryor (Dale Bodden/Randal Pryor)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-21**

QUESTION:

Identify CEHE testimony addressing system SAIDI or SAIFI performance filed within the last five calendar years.

ANSWER:

CEHE filed an application to adjust its system average interruption duration index (SAIDI) under PUC Docket No. 48426 in 2018. No testimony was filed in Docket No. 48426. However, the application in the filing did include an affidavit from Company witness John Dodge.

SPONSOR (PREPARER):

Dale Bodden (Dale Bodden)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-22**

QUESTION:

Provide cost/benefit analyses and other information supporting the prudence of each CEHE distribution capital project having a total cost of more than \$5 million that was placed in service since 2009.

ANSWER:

See attachment COH01-22 Index Attachment 1.xlsx for an index of the benefit/cost analysis that has been performed for a number of the CEHE distribution capital projects that have a total cost of more than \$5 million that have been placed into service since 2009.

The index will provide the Project Number and Description similar to what was provided in previous DCRF's, a simplified description that closely corresponds to the terminology utilized by the Company's Asset Investment Strategy ("AIS") decision tool, and the page number in the attached pdf that provides the corresponding Project Evaluation Forms ("PEFs") that are produced by the AIS tool. See COH01-22 Project Evaluation Forms Attachment 2.pdf.

The AIS decision tool produces non-monetized benefit/cost information for selected projects and programs as a way to optimize the Company's annual capital portfolio. This includes distribution, transmission, substation, telecommunications and major underground projects. The benefit/cost information is based on a metric that is determined by the "benefits" divided by the "cost" of the project to give a cost-weighted value. The benefits are determined by a calculation based on megawatts at risk, probability of outage, number of components involved, and the duration of exposure as measured by repair time, plus additional multipliers, based on drivers for the project such as design criteria, reliability, supplemental benefits and corporate risk alignment. Please note that not all investments are modeled in the optimization process, such as public improvements (facility relocations), service restoration, distribution revenue, non-program corrective maintenance, fleet/facilities, information technology projects, and other non-T&D capital work.

The attached file includes PEFs for work that meets the \$5M threshold for those distribution projects and programs that were sponsored in 2014-2018. In cases where multiple years are involved, such as in a recurring program, PEFs are included for each year's submission.

Attachment 2 is voluminous and is provided as discussed below.

The requested information is voluminous and will be provided to the propounding party only in electronic format on CD. Please contact Alice Hart at (713) 207-5322 to request a copy of the CD. Please see index of voluminous material below.

Date	Project Number	Short Title	Preparer	Page #
Undated	AB1C	300% and 10% Circuit Reliability Program	Dale Bodden	1-35
Undated	AB2G	Pole Maintenance Program (Poles)	Dale Bodden	36-57
Undated	AB48	Pole Maintenance Program (Bracing)	Dale Bodden	36-57
Undated	ABCA	Cable Assessment/Life Extension Program (CAP/CLEP)	Dale Bodden	58-74

Undated	CE1B	Major Underground Rehab	Dale Bodden	75-98
Undated	DB18	City of Houston LED Streetlight Conversion	Dale Bodden	99-116
Undated	HLP/00/0014	Replace SCADA Logic Cages/RTUs	Dale Bodden	117-133
Undated	HLP/00/0075	Replace Failed Major Equip and Purchase Spares	Dale Bodden	134-152
Undated	HLP/00/0484	Substation Security Upgrades	Dale Bodden	153-169
Undated	HLP/00/0612	Fry Substation: Build 35kV Sub w/6 35kV Feeders	Dale Bodden	170-172
Undated	HLP/00/0875	Springwoods Substation: Build 35kV Sub w/8 Feeders	Dale Bodden	173-175
Undated	HLP/00/0884	Replace 12/35kV Square D Type FBS Breakers	Dale Bodden	176-181
Undated	HLP/00/0909	Replace 35/12kV Breakers	Dale Bodden	182-200
Undated	HLP/00/0941	Alexander Island Substation: Upgrade Transformers to 50MVA	Dale Bodden	201-204
Undated	HLP/00/0953	South Channel: New Substation 2-50MVA Trfs w/6 Feeders	Dale Bodden	205-207
Undated	HLP/00/0954	Sandy Point: New Substation 2-50MVA Trfs w/4-12kV Feeders	Dale Bodden	208-219
Undated	HLP/00/0956	Willow Substation: Add 2-100MVA Transformers w/4-35kV Feeders	Dale Bodden	220-223
Undated	HLP/00/0963	Springwoods Substation: Add 3rd 100MVA Trf and 4-35kV Feeders	Dale Bodden	224-227
Undated	HLP/00/0974	Tomball Substation: Add 3rd Transformer and 2 Feeders	Dale Bodden	228-230
Undated	HLP/00/0977	Jordan: New 35kV Substation	Dale Bodden	231-233
Undated	HLP/00/0978	Trinity Bay: Install 35kV Facilities (2 Trfs and 4-35kV Feeders)	Dale Bodden	234-236
Undated	HLP/00/1036	Tanner: New Substation w/2-100MVA Trfs and 6-35kV Feeders	Dale Bodden	237-247
Undated	HLP/00/1084	Village Creek: New Substation w/2-100MVA Trfs and 4-35kV Feeders	Dale Bodden	248-255
Undated	HLP/00/1087	Arcola Substation: Install 3rd 100MVA Trf and 3-35kV Feeders	Dale Bodden	256-259
Undated	S/101785/CE/FIBER	Fiber Rehabilitation, Telecom Core Network	Dale Bodden	260-281
Undated	S/101785/CN/FIBER	Post Ams WiMax and WiMax "Backhaul" Transport Growth	Dale Bodden	282-286
Undated	S/101785/CN/MPLS	Telcom Services MPLS Network Optimization	Dale Bodden	287-291
Undated	S/101785/CN/OPENSKY	Opensky VMDRS: Console Repl; Sys Growth; Post-project enhancements	Dale Bodden	292-308
Undated	S/101785/CN/TFSY	Fiber Expansion, v.10	Dale Bodden	309-336

Undated	S/101785/CN/TMSY	Microwave: New licensed sites; OC3 MW repl; Licensed network deployment	Dale Bodden	337-352
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SPONSOR (PREPARER):

Dale Bodden/Randal Pryor (Dale Bodden/Randal Pryor)

RESPONSIVE DOCUMENTS:

COH01-22 Index Attachment 1.xls

COH01-22 Project Evaluation Forms Attachment 2.pdf

COH01-22 Index Attachment 1.xlsx

Project Number *	Description	Short Title	Index to .pdf - (Page locations)
AB1C	Planned capital replacement or rehabilitation of the overhead distribution system associated with reliability improvement. This includes target top 10% of SAIDI circuits, outage-driven overhead rehab, recurring fuse outages, recurring transformer outages, etc.	300% and 10% Circuit Reliability Program	pp 1-35
AB2G	Replacement of CEHE-owned poles based on inspections for ground rotting-- the Groundline Inspection Program.	Pole Maintenance Program (Poles)	pp 36-57
AB48	Install C-truss or other approved brace on CEHE poles identified by the Groundline Inspection Program.	Pole Maintenance Program (Bracing)	pp 36-57
ABCA	Cable Life Extension Program - Testing the condition of underground cable and mitigating components of good cable with a high probability of failure.	Cable Assessment/Life Extension Program (CAP/CLEP)	pp 58-74
CE1B	Proactive replacement of major underground equipment, cable or structures.	Major Underground Rehab	pp 75-98
DB18	Streetlight LED Replacement- Program replacement of high pressure sodium, metal halide, and mercury vapor streetlight luminaires with LED streetlight luminaires.	City of Houston LED Streetlight Conversion	pp 99-116
HLP/00/0014	Replace the logic cages in aging and/or unreliable SCADA Remote Terminal Units (RTU's).	Replace SCADA Logic Cages/RTUs	pp 117-133
HLP/00/0075	This project provides funding for replacement and repair of failed distribution and transmission transformers as well as replacement of failed transmission circuit breakers. (Transformers may be rewound and the rewind would be capitalized).	Replace Failed Major Equip and Purchase Spares	pp 134-152
HLP/00/0484	Substation Security Upgrades - Installation of security equipment to control physical and cyber access to CNP substations. This includes: Plant separation fencing, security cameras, & cyber security equipment at various substations. These substations are selected based on risk, vulnerability, and impact as determined by CNP security policies and/or future regulatory requirements.	Substation Security Upgrades	pp 153-169
HLP/00/0612	Fry Substation: Build 35KV Sub W/3 35KV Feeders.	Fry Substation: Build 35kv Sub w/6 35kv Feeders	pp 170-172
HLP/00/0875	Springwoods Substation: Underground distribution work to support new Springwoods substation.	Springwoods Substation: Build 35kv Sub w/8 Feeders	pp 173-175
HLP/00/0884	Replace 12/35KV SQD Type FBS Breakers - This project includes replacement of 115 Square D, type FBS, SF6 breakers with history of high level of failure rates.	Replace 12/35kv Square D Type FBS Breakers	pp 176-181
HLP/00/0909	Replace 35KV/12KV Breakers-This project includes replacement of older troublesome distribution breakers (mostly oil filled) at various substations with newer technology vacuum breakers.	Replace 35/12kv Breakers	pp 182-200
HLP/00/0941	Alexander Island-Upgrade Transformers to 50MVA: Substation work to replace transformers at Alexander Island substation for capacity increase to support load growth.	Alexander Island Substation: Upgrade Transformers to 50MVA	pp 201-204
HLP/00/0953	South Channel Substation: Substation work to add new distribution substation with 2 50mva transformers and 6 feeders at South Channel substation to support load growth.	South Channel: New Substation 2-50MVA Trfs w/6 Feeders	pp 205-207
HLP/00/0954	Sandy Point -Build New 138/12KV Sub.: Work to build new Sandy Point substation to support load growth.	Sandy Point: New Substation 2-50MVA Trfs w/4-12kv Feeders	pp 208-219
HLP/00/0956	Willow Substation-Add 2-100MVA Transformers/4-35KV Feeders: Substation work to add transformers and feeders to Willow substation to support load growth.	Willow Substation: Add 2-100MVA Transformers w/4-35kv Feeders	pp 220-223
HLP/00/0963	Springwoods-Add 3rd 100MVA Transformer/4-35KV Feeders- Substation work to add transformer and feeders to Springwoods substation to support load growth.	Springwoods Substation: Add 3rd 100MVA Trf and 4-35kv Feeders	pp 224-227
HLP/00/0974	Tomball Substation: Substation work to add 3rd transformer and two feeders at Tomball substation to support load growth.	Tomball Substation: Add 3rd Transformer and 2 Feeders	pp 228-230
HLP/00/0977	Jordan Substation: Build new 35kv distribution substation at Jordan substation to support load growth.	Jordan: New 35kv Substation	pp 231-233
HLP/00/0978	Trinity Bay-Install 35KV Facilities: Substation work to construct new substation at Trinity Bay to support load growth.	Trinity Bay: Install 35kv Facilities (2 Trfs and 4-35KV Feeders)	pp 234-236
HLP/00/1036	Tanner - New 35KV Substation: Work to build new Tanner substation to support load growth.	Tanner: New Substation w/2-100MVA Trfs and 6-35kv Feeders	pp 237-247
HLP/00/1084	New VILLAGE CREEK substation: Purchase of property for new Village Creek distribution substation to support load growth.	Village Creek: New Substation w/2-100MVA Trfs and 4-35kv Feeders	pp 248-255
HLP/00/1087	ARCOLA-Add Transformer and Feeders; Work to add transformer and feeders at Arcola substation to support load growth.	Arcola Substation: Install 3rd 100MVA Trf and 3-35kv Feeders	pp 256-259
S/101785/CE/FIBER	Replace aged/degraded fiber on CNP's Core Fiber Backbone.	Fiber Rehabilitation, Telecom Core Network	pp 260-281
S/101785/CN/FIBER	Purchase of fiber optic cable and the labor to install the cable. CNP's expanding network infrastructure requires an increase in the CNP fiber network to geographically support the expanding backhaul infrastructure and establish a fiber footprint in locations where microwave communications may limit capacity.	Post AMS WiMax and WiMax "Backhaul" Transport Growth	pp 282-286
S/101785/CN/MPLS	Replacement of Routers, Battery Plants, Switches, Network Clocks, Terminal Servers, etc. as they approach End of Life/Support.	Telecom Services MPLS Network Optimization	pp 287-291
S/101785/CN/OPENSKY	Voice and Mobile Data - Major upgrades, hardening and system enhancements/improvements to Voice and Mobile Data Radio System (VMDRS), which is a critical part of the CNP's Telecommunications Infrastructure that must remain a reliable, up-to-date system.	Opensky VMDRS: Console Rep; Sys Growth; Post-project enhancements	pp 292-308
S/101785/CN/TFSY	Fiber Expansion in support of CNP communications (substation, service center, IG, etc.). This project replaces microwave with fiber to harden CNP's communications infrastructure. It also provides increased capacity for future growth and better protection against cyber and physical security obstructions.	Fiber Expansion, v.10	pp 309-336
S/101785/CN/TMSY	Microwave Projects - Design, install and deploy microwave/radio systems in support of corporate communications. This project is to support growth and eliminate points of failure that could impact critical systems and applications. Replace old shelters facilities.	Microwave: New licensed sites; OC3 MW rep; Licensed network deployment	pp 337-352

* For the project numbers listed above, project evaluations are provided in the attached .pdf file, subject to the \$5Million threshold requested. For some of the project numbers, there may be other bundled work that was not evaluated.

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-23**

QUESTION:

Provide the total number of CEHE's customer complaints by class and type of complaint (including service reliability) over each of the last five years.

ANSWER:

Consistent with clarification provided by counsel for the City of Houston, CenterPoint Energy is providing COH01-23 Summary of Complaints (Confidential), a 5 year history of formal escalated complaints received and resolved within Customer Operations.

The attachment is confidential and is being provided pursuant to the Protective Order issued in Docket No. 49421.

SPONSOR (PREPARER):

Rebecca Demarr (Rebecca Demarr)

RESPONSIVE DOCUMENTS:

COH01-23 Summary of Complaints (Confidential).xlsx

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-24**

QUESTION:

Provide the total number of CEHE's customers that have requested higher levels of electric service reliability over each of the last five years.

ANSWER:

16 customers have requested higher levels of electric service reliability over the last five years by requesting a Premium Rollover Service study. See response to COH01-30 for a detailed description of Premium Rollover Service.

SPONSOR (PREPARER):

Dale Bodden/Julienne Sugarek (Dale Bodden/Julienne Sugarek)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-25**

QUESTION:

Provide the most recent rankings of the CEHE's customer service, customer satisfaction and system reliability performance when compared to other utilities in the electric utility industry.

ANSWER:

Please refer to Attachment COH01-25 Satisfaction Survey (confidential).pdf for the most recent rankings of CEHE's customer service and customer satisfaction performance compared to other similar utilities. The survey data presented is specific to customer satisfaction and does not benchmark customer satisfaction against retail electric providers (REPs) or other vertically-integrated utilities, because CEHE unlike REPS or vertically integrated utilities, CEHE does not maintain a billing relationship with customers.

See attachment COH01-25 System Reliability Performance (Confidentiality).pdf for the most recent rankings of CEHE's reliability performance as per the First Quartile T&D Benchmarking Survey performed in 2018 for the calendar year 2017.

The attachments are confidential and are being provided pursuant to the Protective Order issued in Docket No. 49421.

SPONSOR (PREPARER):

Rebecca Demarr/Randal Pryor/Dale Bodden/Martin Narendorf (Rebecca Demarr/Randal Pryor/Dale Bodden/Martin Narendorf)

RESPONSIVE DOCUMENTS:

COH01-25 Satisfaction Survey (confidential).pdf
COH01-25 System Reliability Performance (Confidential).pdf

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-26**

QUESTION:

Provide a description of and the associated capital investment in distribution system improvements for grid hardening or to otherwise improve distribution reliability for each of the last five calendar years.

ANSWER:

See response to COH01-18 which provides the capital investment for grid hardening and proactive distribution reliability improvement programs.

In addition to these proactive programs, the Company makes capital improvements to improve distribution reliability including: 1) overhead reliability improvements such as replacing or rehabbing a lateral or a section of a circuit or the addition of pole top switches to decrease customer count per section (AB1C), 2) grid hardening work resulting from circuit inspections (AB2Z), 3) field corrective maintenance for repairs/replacements to the overhead distribution system, including the replacement of damaged facilities, before they result in outages to the system, as well as the Guy Wire Inspection and Remediation Program and the Avian Protection Program (AB1Z), and 4) URD span and loop repair/replacement (AB1S, AB1V).

See attachment COH01-26 Capital for Other Reliability Improvements Attachment 1.xlsx for these capital investments for the last five years.

SPONSOR (PREPARER):

Randal Pryor/Julienne Sugarek/Dale Bodden (Randal Pryor/Julienne Sugarek/Dale Bodden)

RESPONSIVE DOCUMENTS:

COH01-26 Capital for Other Reliability Improvements Attachment 1.xlsx

COH 1-26 Capital for Other Reliability Improvements Attachment 1.xlsx

	2014	2015	2016	2017	2018
Capital Reliability Improvement	Capital	Capital	Capital	Capital	Capital
Overhead Reliability (AB1C)	\$20,030,583	\$21,548,546	\$13,447,456	\$15,417,721	\$16,674,022
Grid Hardening (AB2Z)	\$618,869	\$324,796	\$388,400	\$309,906	\$237,998
Field Corrective Maintenance (AB1Z)	\$10,570,627	\$11,645,040	\$11,865,442	\$39,272,337	\$8,574,950
URD Span & Loop Repair/ Replacement (AB1S & AB1V)	\$16,073,027	\$13,678,101	\$14,600,163	\$13,041,491	\$13,468,695

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-27**

QUESTION:

Provide the amount expended on CEHE's existing tree-trimming programs for each of the last five years and as forecasted for the next three years.

ANSWER:

Attached please find the requested historical data and the Company's forecast for 2019. The Company has not conducted an analysis to forecast future 2020 and 2021 expense related to tree-trimming.

SPONSOR (PREPARER):
Randal Pryor (Randal Pryor)

RESPONSIVE DOCUMENTS:
COH01-27 Attachment 1.xlsx

COH 1-27

Year	PROACTIVE CIRCUIT TRIMMING				PROACTIVE HAZARD TREE REMOVALS			REACTIVE WORK	Total
	Circuit Trimming	Circuit Beneficial Removals	Circuit Related Dead Tree Removals	Sub Total	CSO/DMR Dead Tree Removals	Hazard Tree Program	Sub Total	CSO/DMR Trimming	
2014	\$ 15,596,969	\$ 1,914,241	\$ 1,473,016	\$ 18,984,226	\$ 582,424	\$ 616,510	\$ 1,198,935	\$ 2,761,378	\$ 22,944,539
2015	\$ 19,942,686	\$ 1,363,255	\$ 839,832	\$ 22,145,773	\$ 420,240	\$ 508,309	\$ 928,549	\$ 3,949,542	\$ 27,023,864
2016	\$ 22,554,336	\$ 1,377,446	\$ 243,536	\$ 24,175,318	\$ 424,485	\$ 339,213	\$ 763,699	\$ 4,512,693	\$ 29,451,710
2017	\$ 20,004,203	\$ 1,512,801	\$ 217,517	\$ 21,734,521	\$ 297,072	\$ 311,401	\$ 608,473	\$ 5,559,209	\$ 27,902,203
2018	\$ 26,356,991	\$ 1,540,581	\$ 125,482	\$ 28,023,054	\$ 317,428	\$ 299,033	\$ 616,462	\$ 6,382,524	\$ 35,022,040
2019	\$ 24,636,000	\$ 1,602,000	\$ 862,000	\$ 27,100,000	\$ 325,000	\$ 425,000	\$ 750,000	\$ 6,382,524	\$ 34,232,524
2020	No Forecast for 2020								
2021	No Forecast for 2021								

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-28**

QUESTION:

Provide CEHE's year-end gross plant in service and net book value for distribution plant assets for each year since 2009.

ANSWER:

Please see COH01-28 Attachment 1.xlsx for CEHE's year-end gross plant in service and net book value for plant assets in distribution FERC accounts for each year since 2009. The 2018 values can be found in Filing Schedules II-B-1 and II-B-5 and the net book value can be derived by netting the reserve against the plant balances on these associated schedules.

SPONSOR (PREPARER):

Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:

COH01-28 Attachment 1.xlsx

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2010

Asset Class	Description	Plant in Service as of Dec. 31, 2010	Net Book Value as of Dec. 31, 2010
E36001	LAND OWNED IN FEE	\$14,258,487.52	\$14,164,779.24
E36002	LAND RIGHTS	\$1,181,769.57	\$759,754.62
E36101	STRUCTURES AND IMPROVEMENTS	\$57,498,782.16	\$9,016,006.71
E36201	STATION EQUIPMENT	\$757,227,865.33	\$523,428,915.99
E36401	Poles, Towers, and Fixtures	\$564,949,577.10	\$328,386,265.06
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$719,093,962.24	(\$135,306,443.76)
E36601	UNDERGROUND CONDUIT	\$375,933,002.15	\$285,594,284.52
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$679,675,329.73	\$602,292,704.61
E36801	LINE TRANSFORMERS	\$993,983,759.93	\$718,401,951.15
E36901	SERVICES	\$146,450,744.55	\$34,831,043.74
E37001	METERS	\$195,659,970.21	\$57,297,927.40
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$113,325,680.96	\$101,441,344.40
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.02
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$393,597,838.86	\$256,513,217.44
E37401	SECURITY LIGHTING	\$12,398,526.90	\$20,136,476.62
Grand Total		\$5,025,235,297.22	\$2,816,917,283.24

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2011

Asset Class	Description	Plant in Service as of Dec. 31, 2011	Net Book Value as of Dec. 31, 2011
E36001	LAND OWNED IN FEE	\$14,225,425.91	\$14,225,425.91
E36002	LAND RIGHTS	\$1,214,831.18	\$582,830.99
E36101	STRUCTURES AND IMPROVEMENTS	\$59,100,786.79	\$27,137,385.07
E36201	STATION EQUIPMENT	\$773,349,335.04	\$482,465,403.95
E36401	Poles, Towers, and Fixtures	\$582,367,938.23	\$266,154,873.92
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$736,580,532.67	\$357,676,566.98
E36601	UNDERGROUND CONDUIT	\$381,550,829.43	\$241,714,241.29
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$702,941,273.45	\$450,919,467.19
E36801	LINE TRANSFORMERS	\$1,017,170,800.45	\$579,204,962.02
E36901	SERVICES	\$152,294,760.02	\$69,101,123.61
E37001	METERS	\$131,907,871.86	\$30,953,460.23
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$227,351,163.60	\$208,130,202.22
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$404,031,846.08	\$214,607,816.08
E37401	SECURITY LIGHTING	\$12,465,162.24	\$8,409,722.77
Grand Total		\$5,196,552,556.96	\$2,951,242,537.72

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2012

Asset Class	Description	Plant in Service as of Dec. 31, 2012	Net Book Value as of Dec. 31, 2012
E36001	LAND OWNED IN FEE	\$14,225,425.91	\$14,225,425.91
E36002	LAND RIGHTS	\$1,175,408.31	\$565,810.53
E36101	STRUCTURES AND IMPROVEMENTS	\$61,031,493.19	\$28,531,290.22
E36201	STATION EQUIPMENT	\$795,205,736.95	\$513,533,319.05
E36401	Poles, Towers, and Fixtures	\$601,926,703.13	\$279,848,226.59
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$758,400,656.08	\$370,173,393.07
E36601	UNDERGROUND CONDUIT	\$394,126,550.87	\$246,219,617.26
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$742,155,262.64	\$478,133,417.64
E36801	LINE TRANSFORMERS	\$1,054,028,253.61	\$612,961,365.71
E36901	SERVICES	\$157,362,180.75	\$68,796,270.57
E37001	METERS	\$83,067,311.84	\$16,237,946.06
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$264,468,106.83	\$210,413,045.45
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$416,001,292.25	\$217,080,724.54
E37401	SECURITY LIGHTING	\$12,543,320.59	\$8,486,202.95
Grand Total		\$5,355,717,702.96	\$3,065,165,111.04

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2013

Asset Class	Description	Plant in Service as of Dec. 31, 2013	Net Book Value as of Dec. 31, 2013
E36001	LAND OWNED IN FEE	\$16,766,828.90	\$16,766,828.90
E36002	LAND RIGHTS	\$1,175,408.31	\$548,884.53
E36101	STRUCTURES AND IMPROVEMENTS	\$67,481,743.01	\$34,337,141.29
E36201	STATION EQUIPMENT	\$850,091,491.34	\$571,864,096.10
E36401	Poles, Towers, and Fixtures	\$627,095,176.05	\$304,842,738.22
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$791,289,483.94	\$397,120,630.38
E36601	UNDERGROUND CONDUIT	\$414,880,789.33	\$257,687,223.92
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$771,824,301.27	\$492,646,080.65
E36801	LINE TRANSFORMERS	\$1,089,737,469.29	\$645,926,334.48
E36901	SERVICES	\$163,512,690.36	\$71,850,028.66
E37001	METERS	\$84,358,140.79	\$13,644,965.93
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$275,845,968.91	\$183,581,427.07
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$428,873,188.54	\$219,562,283.16
E37401	SECURITY LIGHTING	\$12,586,957.85	\$8,516,846.27
Grand Total		\$5,595,519,637.90	\$3,218,854,565.05

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2014

Asset Class	Description	Plant in Service as of Dec. 31, 2014	Net Book Value as of Dec. 31, 2014
E36001	LAND OWNED IN FEE	\$18,469,964.83	\$18,469,964.83
E36002	LAND RIGHTS	\$1,175,408.31	\$531,958.53
E36101	STRUCTURES AND IMPROVEMENTS	\$72,056,244.38	\$37,383,806.35
E36201	STATION EQUIPMENT	\$906,127,825.34	\$623,608,814.63
E36401	Poles, Towers, and Fixtures	\$671,902,532.97	\$352,433,787.34
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$842,258,608.21	\$433,649,459.81
E36601	UNDERGROUND CONDUIT	\$450,419,749.15	\$283,454,450.77
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$836,163,687.15	\$542,062,022.90
E36801	LINE TRANSFORMERS	\$1,139,464,081.65	\$680,613,614.99
E36901	SERVICES	\$174,536,722.09	\$77,689,325.87
E37001	METERS	\$85,352,234.72	\$11,532,493.80
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$277,652,228.50	\$148,313,463.22
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$449,396,506.68	\$230,233,240.51
E37401	SECURITY LIGHTING	\$12,688,886.47	\$8,727,260.00
		\$5,937,664,680.46	\$3,448,662,719.04

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2015

Asset Class	Description	Plant in Service as of Dec. 31, 2015	Net Book Value as of Dec. 31, 2015
E36001	LAND OWNED IN FEE	\$18,724,253.73	\$18,724,253.73
E36002	LAND RIGHTS	\$1,175,408.31	\$515,032.53
E36101	STRUCTURES AND IMPROVEMENTS	\$82,685,986.60	\$46,884,240.26
E36201	STATION EQUIPMENT	\$1,032,814,249.17	\$741,637,290.30
E36401	Poles, Towers, and Fixtures	\$705,988,199.73	\$385,587,320.07
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$880,109,489.77	\$468,160,212.01
E36601	UNDERGROUND CONDUIT	\$496,315,115.62	\$319,904,258.41
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$899,126,942.57	\$590,112,168.41
E36801	LINE TRANSFORMERS	\$1,197,750,538.22	\$739,878,356.01
E36901	SERVICES	\$178,564,849.90	\$76,350,359.39
E37001	METERS	\$71,956,147.77	\$10,338,704.72
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$294,343,877.00	\$125,160,969.81
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$483,824,178.49	\$256,952,005.79
E37401	SECURITY LIGHTING	\$12,774,840.05	\$8,836,152.22
		\$6,356,154,076.94	\$3,789,000,379.15

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2016

Asset Class	Description	Plant in Service as of Dec. 31, 2016	Net Book Value as of Dec. 31, 2016
E36001	LAND OWNED IN FEE	\$19,428,232.29	\$19,428,232.29
E36002	LAND RIGHTS	\$1,175,408.31	\$498,106.53
E36101	STRUCTURES AND IMPROVEMENTS	\$85,856,210.70	\$48,713,558.93
E36201	STATION EQUIPMENT	\$1,075,295,476.32	\$767,970,497.75
E36401	Poles, Towers, and Fixtures	\$750,701,409.01	\$430,112,953.21
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$923,896,198.02	\$509,228,752.82
E36601	UNDERGROUND CONDUIT	\$532,307,462.21	\$344,812,943.12
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$954,689,440.34	\$628,481,863.31
E36801	LINE TRANSFORMERS	\$1,260,049,863.79	\$806,336,053.52
E36901	SERVICES	\$186,356,399.86	\$78,150,407.05
E37001	METERS	\$74,546,213.39	\$13,805,284.26
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$306,792,963.48	\$92,225,850.03
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$527,652,905.65	\$290,197,373.96
E37401	SECURITY LIGHTING	\$12,899,394.62	\$9,017,226.39
		\$6,711,647,578.00	\$4,038,938,158.66

CenterPoint Energy Houston Electric, LLC - Net Book Value as of December 31, 2017

Asset Class	Description	Plant in Service as of Dec. 31, 2017	Net Book Value as of Dec. 31, 2017
E36001	LAND OWNED IN FEE	\$26,330,890.49	\$26,330,890.49
E36002	LAND RIGHTS	\$1,175,408.31	\$481,180.53
E36101	STRUCTURES AND IMPROVEMENTS	\$93,660,689.31	\$57,912,531.18
E36201	STATION EQUIPMENT	\$1,144,183,141.69	\$818,778,776.41
E36401	Poles, Towers, and Fixtures	\$793,286,814.86	\$473,196,180.83
E36501	OVERHEAD CONDUCTORS AND DEVICES	\$963,499,466.02	\$545,007,211.24
E36601	UNDERGROUND CONDUIT	\$552,963,079.61	\$354,362,385.62
E36701	UNDERGROUND CONDUCTORS AND DEVICES	\$1,000,359,213.19	\$656,067,322.71
E36801	LINE TRANSFORMERS	\$1,318,107,225.43	\$867,030,206.35
E36901	SERVICES	\$193,687,516.61	\$79,452,847.72
E37001	METERS	\$76,538,373.85	\$12,359,554.20
E37002	ADVANCED METERS	\$0.00	(\$40,944.52)
E37003	AUTOMATED METERS	\$261,011,238.92	\$61,952,084.94
E37101	INSTALLATIONS ON CUSTOMERS' PREMISES	\$0.01	\$0.01
E37301	STREET LIGHTING AND SIGNAL SYSTEMS	\$562,697,036.38	\$313,535,971.57
E37302	SECURITY LIGHTING	\$12,996,866.42	\$6,598,893.35
E37401	SECURITY LIGHTING	\$38,593.16	\$2,711,960.00
		\$7,000,535,554.26	\$4,275,737,052.63

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-30**

QUESTION:

Does CEHE currently offer any tariffs or other means for customers to obtain enhanced distribution system reliability service? If so, provide the tariffs, describe the services provided, and indicate the number of customers that have elected to purchase such services. If not, explain why not.

ANSWER:

Yes. CEHE offers Premium Rollover Service that provides two separate sources of power to customers on the overhead distribution system. If the primary source of power fails, the customer's load will automatically be switched to the backup source. The second source of power is obtained by extending a second circuit to the customer. The speed at which a customer can switch to the backup source depends on the switching device (30 seconds for a switch or 25 cycles or 0.417 seconds for a recloser). The policy is to offer rollover service in a manner that the extension of the second circuit will not cause a bottleneck with regards to the expansion of the distribution system for future customers and new loads. The customer must pay for a study by Electric Distribution Planning to determine the upfront costs to extend the second circuit, the cost of the switch/breaker and the cost of any additional transformers, if required. There is also a monthly payment that depends on the amount of KVA the customer intends to roll over because CEHE must maintain this reserve capacity on the backup circuit, as well as monthly expenses for planning and dispatching around the rollover location. There are approximately 13 customers with this service. See attached copy of the tariff.

SPONSOR (PREPARER):

Matthew Troxle/Dale Bodden/Julienne Sugarek (Matthew Troxle/Dale Bodden/Julienne Sugarek)

RESPONSIVE DOCUMENTS:

COH01-30 PRS Tariff Attachment 1.pdf

Chapter 6: Company Specific Items

Sheet No. 6.19
Page 1 of 1

CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8033

6.1.2.3.3 PREMIUM ROLLOVER SERVICE - RATE PRS

Some Retail Customers operate sensitive equipment or have other needs that require higher levels of reliability of electric power delivery service than is achievable from the standard distribution system. CenterPoint Energy Houston Electric, LLC will accommodate Retail Customers' requests for the provision of back-up or premium electric power delivery services where facilities of adequate capacity, proper phase and suitable voltage can be made available.

The extension of such service will require the installation of additional delivery facilities at Retail Customer expense. These additional facilities might include the construction or upgrade of primary feeder circuits, the installation of automatic rollover switches, breakers, transformers, meters and related equipment on or adjacent to Retail Customer premises, power quality equipment and various other facilities and devices needed for the safe and reliable operation of CenterPoint Energy Houston Electric, LLC's delivery system.

Pre-construction Study

Given the complexity and magnitude of projects of this nature, any Retail Customer choosing to proceed with detailed design and engineering will be required to make a non-refundable payment to the Company to cover such pre-construction activity (Pre-construction Study). The Retail Customer will be quoted the cost of the Pre-construction Study based on the magnitude of the project and time estimated to be spent on the pre-construction activities.

Customer Contribution

All installation costs above standard service arrangements related to the provision of such premium delivery service will be solely at Retail Customer expense, requiring non-refundable payment prior to construction (Customer Contribution).

Monthly Fixed Charge

There will be a Monthly Fixed Charge, in addition to the Monthly Rate charges included in the Company's Rate Schedules, related to the operation and maintenance of dedicated facilities and reservation of distribution capacity on alternate circuits. The Monthly Fixed Charge will be quoted on a case by case basis, based on an engineering estimate of the cost.

Requested Overtime

CenterPoint Energy Houston Electric, LLC will schedule required construction during normal business hours in coordination with the Retail Customer's needs. If any of the work must be scheduled at the Retail Customer's convenience and it requires overtime, the requesting party must bear the cost of any premium pay incurred (Requested Overtime).

Revision Number: 3rd

Effective: 10/10/06

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-31**

QUESTION:

Provide the total number of CEHEs customers by class at year end for each of the last five calendar years.

ANSWER:

Year	Residential	Secondary <= 10	Secondary >10	Primary	Transmission	Street Lighting	Miscellaneous Lighting	Total
2014	2,033,027	136,266	128,947	821	186	4,416	14,520	2,318,183
2015	2,079,899	136,800	130,792	835	191	4,498	14,049	2,367,064
2016	2,129,773	140,916	131,513	944	194	4,665	13,648	2,421,653
2017	2,164,073	145,282	133,782	966	196	4,804	13,222	2,462,325
2018	2,198,225	148,123	137,862	999	204	5,100	12,698	2,503,211

SPONSOR (PREPARER):
Matthew Troxle (Matthew Troxle)

RESPONSIVE DOCUMENTS:
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-32**

QUESTION:

Provide any customer survey information collected by CEHE in the last five calendar years to assess the level of satisfaction of customers with the CEHE's distribution service reliability or customer service.

ANSWER:

The following table outlines our year-end Customer Satisfaction Index scores. These scores measure customer service satisfaction and do not specifically measure satisfaction with system reliability.

Year	Year-end Customer Satisfaction Index result (Max=5)
2014	3.76
2015	3.72
2016	3.86
2017	3.92
2018	3.99

SPONSOR (PREPARER):
Rebecca Demarr (Rebecca Demarr)

RESPONSIVE DOCUMENTS:
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON
REQUEST NO.: COH01-33**

QUESTION:

Provide CEHE's total overhead distribution line miles and underground distribution line miles at year end for each year since 2009.

ANSWER:

See attached chart for the total overhead and underground distribution line miles at year end for each year since 2009.

SPONSOR (PREPARER):
Randal Pryor (Randal Pryor)

RESPONSIVE DOCUMENTS:
COH01-33 Attachment 1.xlsx

Circuit Miles - Year End Values (Miles)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Overhead										
12KV Overhead Circuit (Feeder Main):	5,249	5,207	5,225	5,238	5,296	5,333	5,392	5,418	5,452	5,488
35KV Overhead Circuit (Feeder Main):	3,918	4,041	4,083	4,130	4,230	4,373	4,544	4,694	4,812	4,919
Subtotal Feeder Main	9,167	9,248	9,308	9,368	9,526	9,705	9,936	10,112	10,264	10,407
12KV Overhead Primary (Laterals):	9,423	9,403	9,404	9,396	9,770	9,693	9,608	9,566	9,532	9,505
35KV Overhead Primary (Laterals):	2,673	2,718	2,748	2,754	2,368	2,409	2,442	2,497	2,528	2,580
Subtotal Laterals	12,096	12,121	12,151	12,150	12,138	12,102	12,050	12,063	12,060	12,085
Overhead Secondary:	5,655	5,661	5,673	5,664	5,613	5,629	5,635	5,666	5,691	5,723
Total Overhead	26,918	27,030	27,132	27,183	27,276	27,436	27,621	27,841	28,015	28,215
URD										
12KV Underground Residential Distribution (URD):	2,989	2,997	3,005	3,008	3,190	3,021	3,053	3,098	3,199	3,172
35KV Underground Residential Distribution (URD):	5,531	5,627	5,753	5,866	5,902	6,296	6,554	6,782	6,978	7,175
Subtotal	8,520	8,624	8,758	8,874	9,092	9,317	9,607	9,880	10,178	10,347
URD Secondary:	3,260	3,307	3,363	3,412	3,509	3,598	3,719	3,834	3,929	4,030
Total URD	11,780	11,931	12,121	12,286	12,601	12,914	13,326	13,714	14,107	14,376
Major Underground										
12KV Underground (Feeder Main, Laterals, Totally Underground Ckts):	635	648	658	670	690.3	712.7	733.3	750.5	767.5	790.9
35KV Underground (Feeder Main, Laterals, Totally Underground Ckts):	260	280	290	316	350.9	403.3	455.1	502.2	529.2	558.9
Subtotal Underground Primary:	894	928	948	986	1,041	1,116	1,188	1,253	1,297	1,350
Underground Network Secondary:	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.5	28.5	28.5
Total MUG	922.3	955.7	976.1	1,014.1	1,069.2	1,144.0	1,216.3	1,281.1	1,325.2	1,378.3
System Total	39,620.3	39,916.7	40,229.4	40,482.4	40,946.4	41,493.6	42,163.0	42,835.7	43,447.0	43,969.4

CERTIFICATE OF SERVICE

I hereby certify that on this 6st day of May 2019, a true and correct copy of the foregoing document was served on all parties of record in accordance with 16 Tex. Admin. Code § 22.74.


