



Control Number: 49421



Item Number: 343

Addendum StartPage: 0

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

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

May 28, 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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**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-01**

QUESTION:

Please reference the Microsoft (MS) Excel workbook "*CEHE RFP Workpapers (redacted)*" filed with CenterPoint Energy Houston Electric, LLC's (CEHE's) April 5, 2019 application. In MS worksheet "WP II-E-4. 1. 1 , " CEHE shows the Original Amount to be Amortized amount of (\$4,030,874) associated with the regulatory liability balance related to the Hurricane Ike residual (Hurricane Ike Regulatory Liability). This Hurricane Ike Regulatory Liability of (\$4,030,874) was indirectly derived from MS worksheet "WP II-B-11 Adj 7".

- a. Provide, in electronic spreadsheet format with cell references and formulae intact, the derivation of the *Annual Interest Rate* of 11.075% in cell "B5" of the MS worksheet "WP 11-B-11 Adj 7," which as indicated by CEHE in cell "C5" has Docket No. 38339 as its source (i.e., *Source: Docket No. 38339*). Please provide an explanation of how CEHE chose the different inputs (e.g., cost of debt, cost of long-term debt, return on common shareholders equity, etc.) used to derive the *Annual Interest Rate* of 11.075%.

ANSWER:

The annual interest rate of 11.075% is not from Docket No. 38339. WP II-B-11 Adj 7 Cell 5 referenced the source of the 11.075% in error. It is the annual interest rate authorized by Docket No. 36918 Findings of Fact No. 1 for Hurricane Ike. It is also the Company's pre-tax weighted average cost of capital authorized by Docket No. 22355.

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**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-02**

QUESTION:

Please state whether and how the Company performed an adjustment to its Test Year kWh and revenues for the street lighting class to annualize the installation of LED lighting fixtures that occurred during the Test Year. Please also provide the amount of the energy adjustment, if any, and the corresponding adjustment to present revenues, if any. To the extent the Company has not performed this analysis, please provide lighting kWh and lighting present revenues reflecting an annualization of LED installations during the Test Year and provide the corresponding workpapers.

ANSWER:

Please see WP - Schedule H tab WP H 1.2 for adjustments to SLS and MLS kWh. Please note that the kWh adjustment reflected in this workpaper is based on the number of customers, not the number of lamps or lamp types. Also, the Test Year adjusted kWh data was only used to formulate the Lighting allocation factors used in certain riders. There was no corresponding adjustment to present revenues and the kWh adjustment was not used to formulate the Lighting class base rates.

Please see WP – Streetlight Rate Design tab Proof of Rev, which shows the annual number of active billed street light lamps.

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**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-03**

QUESTION:

Please refer to Confidential attachment PUC03-1 0 - *LED Streetlight Program*, at 6. Please provide the workpapers that support the NPV, IRR, and Payback period metrics in this attachment.

ANSWER:

Please see attachment PUC09-03 Attachment 1.xlsx.

SPONSOR (PREPARER):

Matthew Troxle/Julienne Sugarek (Matthew Troxle, Julienne Sugarek)

RESPONSIVE DOCUMENTS:

PUC09-03 Attachment 1.xlsx.

Financial Summary

<i>in Thousands of units</i>	2018	2019	2020	2021	2022
New Installations	7.6	7.6	7.6	7.6	7.6
HPS Replacements	46.3	46.3	46.3	46.3	46.3
Total New LED	53.9	53.9	53.9	53.9	53.9

<i>in \$ Millions</i>	2018	2019	2020	2021	2022
Gross Capex	10.8	10.8	10.8	10.7	10.7
Net Capex¹	8.6	8.5	8.4	8.3	7.9

Without Rate Recovery

Avoided O&M²	2.6	2.6	2.6	2.8	3.7
Operating Income	2.5	2.2	1.9	1.8	2.4

With Rate Recovery

Avoided O&M	2.6	2.6	2.6	2.8	3.7
Operating Income	2.5	2.6	1.7	1.5	3.1

November 2017		
	10 Year	30 Year
PV	(6.3)	10.8
RR	-0.3%	9.9%

rs)	17.2
-----	------

November 2017		
	10 Year	30 Year
PV	(2.6)	7.5
RR	3.5%	9.6%

rs)	13.7
-----	------

May 2017		
	10 Year	30 Year
PV	(5.1)	5.0
RR	2.1%	8.8%

Model Scope

Estimates the financial impact of instituting a LED conversion program for the 231k non-COH streetlight luminaires.

General Assumptions

Tax Rate	35.49% Steve Winn
Discount Rate	6.00% 2017 hurdle rate memo
Model Start Year	2018
O&M Escalation	3.00% Deryl Tumlinson
LED Materials Inflation	-2.00% Shelton Mitchell
HPS Materials Inflation	2.00% Shelton Mitchell
Ad valorem Tax Rate	2.70% Joseluis Hernandez
Initial HPS Count (000)	231.482 Marsha Sommerfeld (Nov. 2, 2017)
Conversion Period (years)	5 Marsha Sommerfeld (Nov. 2, 2017)
Annual Streetlight Growth (000)	7.6 Marsha Sommerfeld (Nov. 2, 2017)
LED Warranty Period (years)	10 Shelton Mitchell (October 24, 2017)

Capital Assumptions

	Cap Mtrls	Cap Labor	Tot Cap	Book Rate	Tax Rate
LED Lights	\$140.89	\$60.31	\$201.20	3.46%	14.29%
HPS Lights	\$93.47	\$60.31	\$153.78	3.46%	14.29%
	Marsha Sommerfeld	Marsha Sommerfeld		Jessica Thayer	Steve Winn

Expense Assumptions

	Tot Exp	
LED Lights	\$60.31	= [2017 YTD O&M] / [2017 Bulb Replacements] - [avg mtrl cost per bulb]
HPS Lights	\$66.89	= [2017 YTD O&M] / [2017 Bulb Replacements]
	Marsha Sommerfeld	

Expense Assumptions Table		
Crew Charge for Light Replacements	2,114,412	LED Streetlight O&M Repair Costs - (11/02/2017)
Hours Charged for Replacements	23,374	LED Streetlight O&M Repair Costs - (11/02/2017)
Hourly Rate	90.46	LED Streetlight O&M Repair Costs - (11/02/2017)
Lights replaced	35,061	LED vs. Street Lighting Evaluation presentation (2/20/2017) - no significant updates
\$ Expense per HPS light bulb	6.58	LED vs. Street Lighting Evaluation presentation (2/20/2017) - no significant updates

Estimated O&M Expense for light bulbs	230,701	LED vs. Street Lighting Evaluation presentation (2/20/2017) - no significant updates

Failure Rate Assumptions

	HPS	LED	
			HPS luminaires have a 29 year life and bulbs have a 5 year life LED bulbs cannot be replaced, thus failure of luminaire compenents requires luminaire replacement.
% Capital	15.00%	100 00%	
% O&M	85.00%	0.00%	
Bulb/Luminaire Failure			
Mean Life	5		Shelton Mitchell (October 24, 15 2017) Estimate based on observed failure rates
Sigma Life	1.00	5.00	

Year	HPS	LED
0	0%	0%
1	0%	0%
2	0%	0%
3	5%	0%
4	24%	1%
5	40%	1%
6	24%	2%
7	6%	2%
8	6%	3%
9	24%	4%
10	40%	5%
11	24%	6%
12	6%	7%
13	6%	7%
14	24%	8%
15	40%	8%

16	24%	8%
17	6%	8%
18	6%	7%
19	24%	7%
20	40%	6%
21	24%	6%
22	6%	5%
23	6%	5%
24	24%	6%
25	40%	6%
26	24%	7%
27	6%	7%
28	6%	8%
29	24%	8%
30	40%	8%

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
x BALANCE SHEET																	
Beginning Plant	-	8,607	17,113	25,521	33,773	41,625	40,932	39,893	38,788	37,712	36,663	35,933	35,637	35,884	36,724	38,156	39,935
New Plant	8,607	8,506	8,408	8,252	7,852	(693)	(1,040)	(1,105)	(1,076)	(1,049)	(730)	(296)	247	840	1,432	1,779	2,023
Total Plant	8,607	17,113	25,521	33,773	41,625	40,932	39,893	38,788	37,712	36,663	35,933	35,637	35,884	36,724	38,156	39,935	41,958
Accumulated Depreciation	(148)	(592)	(1,327)	(2,349)	(3,649)	(5,073)	(6,466)	(7,823)	(9,142)	(10,424)	(11,676)	(12,910)	(14,143)	(15,395)	(16,686)	(18,032)	(19,409)
Net Plant	8,459	16,521	24,194	31,424	37,976	35,860	33,426	30,965	28,570	26,239	24,257	22,727	21,741	21,329	21,470	21,903	22,549
Accumulated Deferred Income Tax	(1,431)	(2,930)	(3,934)	(5,319)	(6,922)	(8,302)	(9,166)	(9,641)	(9,798)	(9,703)	(9,339)	(8,745)	(8,089)	(7,539)	(7,121)	(6,838)	(6,589)
Rate Base	7,028	13,591	20,261	26,105	31,054	27,558	24,260	21,324	18,772	16,536	14,918	13,983	13,652	13,790	14,349	15,065	15,960
x INCOME STATEMENT																	
Rate Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operating & Maintenance Expense																	
Expenses																	
LED O&M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avoided HPS O&M	2,632	2,711	2,805	3,070	3,997	2,483	3,443	3,752	3,910	4,163	4,520	4,800	4,977	5,129	5,283	5,442	5,605
Ad valorem Taxes	(79)	(160)	(244)	(329)	(414)	(414)	(415)	(412)	(409)	(406)	(402)	(402)	(407)	(418)	(436)	(462)	(493)
Total O&M Benefit (Expense)	2,632	2,632	2,645	2,827	3,668	2,069	3,028	3,339	3,500	3,758	4,118	4,398	4,571	4,712	4,847	4,979	5,112
EBITDA	2,632	2,632	2,645	2,827	3,668	2,069	3,028	3,339	3,500	3,758	4,118	4,398	4,571	4,712	4,847	4,979	5,112
Depreciation	(148)	(443)	(735)	(1,022)	(1,300)	(1,423)	(1,394)	(1,357)	(1,319)	(1,282)	(1,252)	(1,234)	(1,233)	(1,252)	(1,291)	(1,346)	(1,377)
EBIT (Operating Income)	2,484	2,189	1,910	1,804	2,368	646	1,635	1,983	2,182	2,475	2,866	3,164	3,338	3,460	3,556	3,633	3,734
Income Taxes	(881)	(777)	(678)	(640)	(840)	(229)	(580)	(704)	(774)	(878)	(1,017)	(1,123)	(1,184)	(1,228)	(1,262)	(1,289)	(1,325)
Net Income	1,602	1,412	1,232	1,164	1,528	417	1,054	1,279	1,407	1,597	1,849	2,041	2,153	2,232	2,294	2,344	2,409
x CASH FLOW																	
Net Income	1,602	1,412	1,232	1,164	1,528	417	1,054	1,279	1,407	1,597	1,849	2,041	2,153	2,232	2,294	2,344	2,409
Depreciation	148	443	735	1,022	1,300	1,423	1,394	1,357	1,319	1,282	1,252	1,234	1,233	1,252	1,291	1,346	1,377
Deferred Income Tax	1,431	1,499	1,004	1,385	1,604	1,379	864	475	157	(95)	(364)	(595)	(656)	(550)	(418)	(283)	(249)
Capital Expenditures	(8,607)	(8,506)	(8,408)	(8,252)	(7,852)	693	1,040	1,105	1,076	1,049	730	296	(247)	(840)	(1,432)	(1,779)	(2,023)
Free Cash Flow	(5,425)	(5,152)	(5,437)	(4,681)	(3,421)	3,912	4,352	4,216	3,959	3,833	3,467	2,976	2,484	2,094	1,735	1,628	1,514
PV of Cash Flows	(5,425)	(4,860)	(4,839)	(3,930)	(2,710)	2,924	3,068	2,804	2,484	2,269	1,936	1,568	1,234	982	767	679	596
Cumulative PV of Cash Flows	(5,425)	(10,285)	(15,125)	(19,055)	(21,764)	(18,841)	(15,773)	(12,969)	(10,485)	(8,216)	(6,280)	(4,712)	(3,478)	(2,496)	(1,729)	(1,050)	(454)
Payback Period (Count)	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
NPV @ 10 Years	(6,280)																
IRR @ 10 Years	-0.3%																
NPV @ 30 Years	10,770																
IRR @ 30 Years	9.9%																
Discounted Payback Period (Years)	17.2																
x LED ASSUMPTIONS																	
Non-Warranty O&M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LED O&M Expense (\$000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Installations	10,844	10,789	10,741	10,699	10,662	1,499	1,496	1,493	1,492	1,491	1,491	1,492	1,494	1,497	1,500	1,505	1,511
Warranty Replacements	-	7	17	32	59	102	160	243	359	510	484	435	359	244	82	76	67
Non-Warranty Capital Repairs	-	-	-	-	-	-	-	-	-	-	507	1,121	1,833	2,621	3,458	3,893	4,231
LED Total Capex (\$000)	10,844	10,796	10,758	10,731	10,721	1,601	1,656	1,736	1,851	2,001	2,482	3,049	3,685	4,362	5,040	5,474	5,808

LED Support																	
Beg LED Lights (000)	-	53.9	107.8	161.7	215.6	269.5	277	285	292	300	307	315	323	330	338	345	353
New LED Lights (000)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Converted from HPS (000)	46	46	46	46	46	-	-	-	-	-	-	-	-	-	-	-	-

End LED Lights (000)	54	108	162	216	269	277	285	292	300	307	315	323	330	338	345	353	361
Capital Materials (\$/replacement)	141	138	135	133	130	127	125	122	120	117	115	113	111	108	106	104	102
Capital Labor (\$/replacement)	60	62	64	66	68	70	72	74	76	79	81	83	86	89	91	94	97
Total Capital (\$/replacement)	201	200	199	199	198	197	197	196	196	196	196	196	197	197	197	198	199
LED Failure Count (000)	Installed LEDs																
2018	54	-	0	0	0	1	1	1	2	2	3	3	4	4	4	4	4
2019	54	-	-	0	0	0	1	1	1	2	2	3	3	4	4	4	4
2020	54	-	-	-	0	0	0	1	1	1	2	2	3	3	4	4	4
2021	54	-	-	-	0	0	0	0	1	1	2	2	3	3	4	4	4
2022	54	-	-	-	-	0	0	0	0	1	1	1	2	2	3	3	4
2023	8	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0
2024	8	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
2025	8	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0
2026	8	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
2027	8	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0
LED Failures (000)	-	0	0	0	1	1	2	3	5	6	9	11	13	16	18	20	22
Warranty Failures (capital labor only)																	
2018	-	0	0	0	0	1	1	1	2	2	-	-	-	-	-	-	-
2019	-	-	0	0	0	0	1	1	1	2	2	-	-	-	-	-	-
2020	-	-	-	0	0	0	0	1	1	1	2	2	-	-	-	-	-
2021	-	-	-	-	0	0	0	0	1	1	2	2	2	-	-	-	-
2022	-	-	-	-	-	0	0	0	0	1	1	1	2	2	-	-	-
2023	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	-
2024	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	-
2025	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0
2026	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0
2027	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0
LED Warranty Failures (000)	-	0	0	0	1	1	2	3	5	6	6	5	4	3	1	1	1
O&M Expense per failure (\$)	60.31	62.12	63.98	65.90	67.88	69.91	72.01	74.17	76.39	78.69	81.05	83.48	85.98	88.56	91.22	93.96	96.77

x HPS ASSUMPTIONS

HPS Avoided O&M Expense (\$000)	(2,632)	(2,711)	(2,805)	(3,070)	(3,997)	(2,483)	(3,443)	(3,752)	(3,910)	(4,163)	(4,520)	(4,800)	(4,977)	(5,129)	(5,283)	(5,442)	(5,605)
New Installations	(1,169)	(1,197)	(1,225)	(1,255)	(1,285)	(1,316)	(1,347)	(1,380)	(1,413)	(1,447)	(1,482)	(1,518)	(1,554)	(1,592)	(1,631)	(1,670)	(1,711)
Capital Repairs	(1,068)	(1,093)	(1,125)	(1,224)	(1,584)	(978)	(1,349)	(1,461)	(1,514)	(1,603)	(1,730)	(1,827)	(1,884)	(1,930)	(1,977)	(2,025)	(2,074)
Avoided HPS Capex (\$000)	(2,237)	(2,290)	(2,350)	(2,479)	(2,869)	(2,294)	(2,696)	(2,841)	(2,927)	(3,050)	(3,212)	(3,345)	(3,438)	(3,522)	(3,608)	(3,695)	(3,785)

HPS Support																	
Beg HPS Lights (000)	231	185	139	93	46	-	-	-	-	-	-	-	-	-	-	-	-
New HPS Lights (000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Converted to LED (000)	(46)	(46)	(46)	(46)	(46)	-	-	-	-	-	-	-	-	-	-	-	-
End HPS Lights (000)	185	139	93	46	-	-	-	-	-	-	-	-	-	-	-	-	-
New HPS Light Installs, Avoided (000)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Capital Materials (\$/replacement)	93	95	97	99	101	103	105	107	110	112	114	116	119	121	123	126	128
Capital Labor (\$/replacement)	60	62	64	66	68	70	72	74	76	79	81	83	86	89	91	94	97
Total Capital (\$/replacement)	154	157	161	165	169	173	177	182	186	190	195	200	205	209	215	220	225

Avoided HPS O&M

Capitalized LED conversions (000)		46	46	46	46	46	-	-	-	-	-	-	-	-	-	-	-	-	-
Avoided failure of HPS base (000)																			
2018	54	-	-	0	3	13	22	13	3	3	13	22	13	3	3	13	22	13	
2019	54	-	-	-	0	3	13	22	13	3	3	13	22	13	3	3	13	22	
2020	54	-	-	-	-	0	3	13	22	13	3	3	13	22	13	3	3	13	
2021	54	-	-	-	-	-	0	3	13	22	13	3	3	13	22	13	3	3	
2022	54	-	-	-	-	-	-	0	3	13	22	13	3	3	13	22	13	3	
2023	8	-	-	-	-	-	-	-	0	0	2	3	2	0	0	2	3	2	
2024	8	-	-	-	-	-	-	-	-	0	0	2	3	2	0	0	2	3	
2025	8	-	-	-	-	-	-	-	-	0	0	2	3	2	0	0	2	3	
2026	8	-	-	-	-	-	-	-	-	-	0	0	2	3	2	0	0	2	
2027	8	-	-	-	-	-	-	-	-	-	0	0	2	3	2	0	0	2	
Avoided HPS Failures (000)		46	46	47	49	62	38	51	54	54	56	59	61	61	61	61	61	61	
O&M Expense per failure (\$)		66.89	68.89	70.96	73.09	75.28	77.54	79.87	82.26	84.73	87.27	89.89	92.59	95.36	98.23	101.17	104.21	107.33	

2035 17	2036 18	2037 19	2038 20	2039 21	2040 22	2041 23	2042 24	2043 25	2044 26	2045 27	2046 28	2047 29	2048 30
41,958	44,109	46,253	48,283	50,062	51,538	52,691	53,565	54,242	54,820	55,410	56,117	57,029	58,165
2,151	2,145	2,030	1,779	1,476	1,153	874	677	578	589	708	911	1,137	1,363
44,109	46,253	48,283	50,062	51,538	52,691	53,565	54,242	54,820	55,410	56,117	57,029	58,165	59,529
(20,821)	(22,305)	(23,863)	(25,493)	(27,188)	(28,940)	(30,737)	(32,569)	(34,428)	(36,308)	(38,209)	(40,132)	(41,934)	(43,477)
23,288	23,948	24,420	24,569	24,350	23,751	22,828	21,673	20,392	19,101	17,909	16,897	16,231	16,052
(6,378)	(6,290)	(6,290)	(6,340)	(6,376)	(6,365)	(6,315)	(6,212)	(6,022)	(5,750)	(5,408)	(5,018)	(4,657)	(4,402)
16,910	17,658	18,130	18,229	17,974	17,386	16,513	15,461	14,370	13,351	12,500	11,879	11,574	11,650
-	-	-	-	-	-	-	-	-	-	-	-	-	-
5,773	5,946	6,125	6,308	6,498	6,693	6,893	7,100	7,313	7,533	7,759	7,991	8,231	8,478
(529)	(567)	(606)	(646)	(683)	(717)	(748)	(775)	(801)	(826)	(851)	(879)	(911)	(948)
5,244	5,379	5,518	5,663	5,815	5,975	6,146	6,325	6,512	6,707	6,907	7,112	7,320	7,530
5,244	5,379	5,518	5,663	5,815	5,975	6,146	6,325	6,512	6,707	6,907	7,112	7,320	7,530
(1,412)	(1,484)	(1,558)	(1,630)	(1,696)	(1,752)	(1,797)	(1,832)	(1,859)	(1,880)	(1,901)	(1,923)	(1,802)	(1,543)
3,832	3,895	3,960	4,033	4,119	4,224	4,348	4,493	4,653	4,827	5,007	5,189	5,517	5,987
(1,360)	(1,382)	(1,405)	(1,431)	(1,462)	(1,499)	(1,543)	(1,594)	(1,652)	(1,713)	(1,777)	(1,842)	(1,958)	(2,125)
2,472	2,513	2,555	2,602	2,657	2,725	2,805	2,898	3,002	3,114	3,230	3,347	3,559	3,862
2,472	2,513	2,555	2,602	2,657	2,725	2,805	2,898	3,002	3,114	3,230	3,347	3,559	3,862
1,412	1,484	1,558	1,630	1,696	1,752	1,797	1,832	1,859	1,880	1,901	1,923	1,802	1,543
(211)	(88)	1	49	36	(11)	(50)	(103)	(190)	(272)	(342)	(390)	(361)	(255)
(2,151)	(2,145)	(2,030)	(1,779)	(1,476)	(1,153)	(874)	(677)	(578)	(589)	(708)	(911)	(1,137)	(1,363)
1,522	1,764	2,084	2,502	2,913	3,312	3,678	3,951	4,093	4,132	4,081	3,969	3,864	3,787
565	618	689	780	857	919	963	976	954	908	846	776	713	659
112	730	1,418	2,198	3,055	3,975	4,937	5,913	6,867	7,775	8,621	9,398	10,111	10,770
0 20	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,517	1,525	1,533	1,543	1,553	1,565	1,577	1,591	1,606	1,622	1,639	1,657	1,676	1,697
52	30	-	-	-	-	-	-	-	-	-	-	-	-
4,458	4,561	4,565	4,403	4,192	3,961	3,776	3,675	3,674	3,785	4,004	4,311	4,642	4,975
6,028	6,116	6,098	5,946	5,745	5,526	5,353	5,266	5,280	5,407	5,643	5,968	6,318	6,672

361	368	376	383	391	399	406	414	421	429	437	444	452	459
8	8	8	8	8	8	8	8	8	8	8	8	8	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-
368	376	383	391	399	406	414	421	429	437	444	452	459	467
100	98	96	94	92	90	89	87	85	83	82	80	78	77
100	103	106	109	112	116	119	123	126	130	134	138	142	146
200	201	202	203	204	206	208	209	211	213	216	218	221	223
4	4	4	3	3	3	3	3	3	4	4	4	4	4
4	4	4	4	3	3	3	3	3	3	4	4	4	4
4	4	4	4	4	3	3	3	3	3	3	4	4	4
4	4	4	4	4	4	3	3	3	3	3	3	4	4
4	4	4	4	4	4	4	3	3	3	3	3	3	4
1	1	1	1	1	1	1	0	0	0	0	0	0	0
0	1	1	1	1	1	1	1	0	0	0	0	0	0
0	0	1	1	1	1	1	1	1	0	0	0	0	0
0	0	0	1	1	1	1	1	1	1	0	0	0	0
0	0	0	0	1	1	1	1	1	1	1	0	0	0
23	23	23	22	21	19	18	18	17	18	19	20	21	22
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-
0	0	-	-	-	-	-	-	-	-	-	-	-	-
1	0	-	-	-	-	-	-	-	-	-	-	-	-
99 68	102 67	105 75	108 92	112 19	115 55	119 02	122 59	126 27	130 06	133 96	137 98	142 12	146 38
(5,773)	(5,946)	(6,125)	(6,308)	(6,498)	(6,693)	(6,893)	(7,100)	(7,313)	(7,533)	(7,759)	(7,991)	(8,231)	(8,478)
(1,752)	(1,795)	(1,839)	(1,883)	(1,929)	(1,976)	(2,025)	(2,074)	(2,125)	(2,177)	(2,231)	(2,285)	(2,342)	(2,399)
(2,125)	(2,176)	(2,229)	(2,284)	(2,339)	(2,396)	(2,455)	(2,515)	(2,577)	(2,640)	(2,705)	(2,771)	(2,839)	(2,909)
(3,877)	(3,971)	(4,068)	(4,167)	(4,269)	(4,373)	(4,480)	(4,589)	(4,702)	(4,817)	(4,935)	(5,057)	(5,181)	(5,308)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
131	133	136	139	142	145	147	150	153	156	160	163	166	169
100	103	106	109	112	116	119	123	126	130	134	138	142	146
231	236	242	248	254	260	266	273	280	286	294	301	308	316

3	3	13	22	13	3	3	13	22	13	3	3	13	22
13	3	3	13	22	13	3	3	13	22	13	3	3	13
22	13	3	3	13	22	13	3	3	13	22	13	3	3
13	22	13	3	3	13	22	13	3	3	13	22	13	3
3	13	22	13	3	3	13	22	13	3	3	13	22	13
0	0	2	3	2	0	0	2	3	2	0	0	2	3
2	0	0	2	3	2	0	0	2	3	2	0	0	2
3	2	0	0	2	3	2	0	0	2	3	2	0	0
2	3	2	0	0	2	3	2	0	0	2	3	2	0
0	2	3	2	0	0	2	3	2	0	0	2	3	2
61	61	61	61	61	61	61	61	61	61	61	61	61	61
110 55	113.87	117 29	120 80	124 43	128 16	132 01	135 97	140 05	144 25	148 57	153 03	157 62	162 35

[illegible]

2035 CapEx	Annual
2036 CapEx	Annual
2037 CapEx	Annual

Tax Depreciation Workbook

[illegible]

Annual	(150)	(257)	(183)	(131)	(84)	(84)	(84)	(47)
2028 CapEx								
Annual	(104)	(179)	(128)	(91)	(65)	(65)	(65)	(33)
2029 CapEx								
Annual	(42)	(73)	(52)	(37)	(26)	(26)	(26)	(13)
2030 CapEx								
Annual	35	61	41	31	22	22	22	11
2031 CapEx								
Annual	120	208	147	105	75	75	75	37
2032 CapEx								
Annual	205	351	250	179	128	128	128	64
2033 CapEx								
Annual	254	436	311	222	159	159	159	79
2034 CapEx								
Annual								
2035 CapEx								
Annual								
2036 CapEx								
Annual								
2037 CapEx								
Annual								

Modified Accelerated Cost Recovery System (MACRS)											
Half-Year Convention											
	3	5	6	7	10	15	20	31.5	39		
0	33.33%	20.00%	20.00%	14.29%	10.00%	5.00%	3.750%	1.720%	1.391%		
1	44.45%	32.00%	16.00%	24.49%	18.00%	9.50%	7.238%	3.175%	2.584%		
2	14.81%	19.20%	16.00%	17.48%	14.40%	8.55%	6.677%	3.175%	2.584%		
3	7.41%	11.52%	16.00%	12.48%	11.52%	7.70%	6.177%	3.175%	2.584%		
4		11.52%	16.00%	8.93%	9.22%	6.93%	5.713%	3.175%	2.584%		
5		5.76%	16.00%	8.92%	7.37%	6.23%	5.285%	3.175%	2.584%		
6				8.93%	6.55%	5.90%	4.888%	3.175%	2.584%		
7				4.46%	6.55%	5.90%	4.522%	3.174%	2.584%		
8					6.56%	5.91%	4.462%	3.175%	2.584%		
9					6.55%	5.90%	4.461%	3.174%	2.584%		
10					3.28%	5.91%	4.462%	3.175%	2.584%		
11						5.90%	4.461%	3.174%	2.584%		
12						5.91%	4.462%	3.175%	2.584%		
13						5.90%	4.461%	3.174%	2.584%		
14						5.91%	4.462%	3.175%	2.584%		
15						2.95%	4.461%	3.174%	2.584%		
16							4.462%	3.175%	2.584%		
17							4.461%	3.174%	2.584%		

17 Jan	10%
11 Feb	92%
10 Mar	81%
9 Apr	75%
8 May	67%
7 Jun	58%
6 Jul	49%
5 Aug	42%
4 Sep	36%
3 Oct	29%
2 Nov	17%
1 Dec	8%

Yes
No

18				
19		4.462%	3.175%	2.564%
20		4.461%	3.174%	2.564%
21		2.231%	3.175%	2.564%
22			3.174%	2.564%
23			3.175%	2.564%
24			3.174%	2.564%
25			3.175%	2.564%
26			3.174%	2.564%
27			3.175%	2.564%
28			3.174%	2.564%
29			3.175%	2.564%
30			3.174%	2.564%
31			3.042%	2.564%
32				2.564%
33				2.564%
34				2.564%
35				2.564%
36				2.564%
37				2.564%
38				2.564%
39				1.177%
40				0.000%
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
Source				
http://www.cas.gov.au/australian-portfolio/australian-portfolio				

(46)	(16)	21	58	95	135	143	144	135	86	31
(159)	(6)	7	21	58	45	52	51	44	31	11
18,173	38,107	38,127	38,186	38,280	38,406	38,569	38,693	38,818	38,902	38,981
18,995	38,935	38,995	38,997	38,935	38,937	38,935	38,935	38,935	38,935	38,935
(208)	(284)	(284)	(284)	(232)	(188)	(137)	(86)	(51)	(11)	
18,935	38,935	38,935	38,935	38,935	38,935	38,935	38,935	38,935	38,935	38,935

(46)	(16)	21	58	95	125	143	144	125	86	31
46	16	(21)	(18)	(95)	(125)	(143)	(144)	(125)	(86)	(31)
16	6	(7)	(21)	(34)	(45)	(52)	(51)	(44)	(31)	(11)

16	6	(7)	(21)	(34)	(45)	(52)	(51)	(44)	(31)	(11)
(16)	(6)	7	21	34	45	52	51	44	31	11

16	6	(7)	(21)	(34)	(45)	(52)	(51)	(44)	(31)	(11)
(16)	(6)	7	21	34	45	52	51	44	31	11

16	6	(7)	(21)	(34)	(45)	(52)	(51)	(44)	(31)	(11)
(16)	(6)	7	21	34	45	52	51	44	31	11

Notes.

Row 8 must be the first year of your model. If there is no spend in the first year, just enter the capex as \$0.

Book life must be a whole number (no decimals)

If you copy and paste the entire workbook but not the tab, you may need adjust the pull-down menu data location

The EBITDA rows and the Interest Expense rows do not need to be filled in for the deferred tax to be calculated correctly

Capital Expenditures	Year In Service	Asset Cost	Tax Life	Bonus Dep?	% Bonus	Book Life	Month on Books
2017 CapEx	2017		7	No	0%	29	Jul
2018 CapEx	2014	2,023	7	No	0%	29	Jul
2035 CapEx	2035	2,151	7	No	0%	29	Jul
2036 CapEx	2036	2,145	7	No	0%	29	Jul
2037 CapEx	2037	2,030	7	No	0%	29	Jul
2038 CapEx	2038	1,779	7	No	0%	29	Jul
2039 CapEx	2039	1,476	7	No	0%	29	Jul
2040 CapEx	2040	1,153	7	No	0%	29	Jul
2041 CapEx	2041	874	7	No	0%	29	Jul
2042 CapEx	2042	677	7	No	0%	29	Jul
2043 CapEx	2043	578	7	No	0%	29	Jul
2044 CapEx	2044	589	7	No	0%	29	Jul
2045 CapEx	2045	708	7	No	0%	29	Jul
2046 CapEx	2046	911	7	No	0%	29	Jul
2047 CapEx	2047	1,137	7	No	0%	29	Jul
2048 CapEx	2048	1,363	7	No	0%	29	Jul
2049 CapEx	2049	-	7	No	0%	29	Jul
2050 CapEx	2050	-	7	No	0%	29	Jul
2051 CapEx	2051	-	7	No	0%	29	Jul
2052 CapEx	2052	-	7	No	0%	29	Jul

Tax Rate

35 49% Use the blended tax rates as provided by Tax

Stand Alone

[illegible]

DO NOT CHANGE ANYTHING BELOW THIS LINE

Federal

Book Depreciation Workbook

[illegible]

[illegible]

Tax Depreciation Workbook

[illegible]

2036 CapEx	Annual Depre	307	527	376	269	192	192	192	96
2037 CapEx	Annual Depre	306	525	375	268	192	191	192	96
2038 CapEx	Annual Depre	290	497	355	254	181	181	181	91
2039 CapEx	Annual Depre	211	362	258	184	132	132	132	66
2040 CapEx	Annual Depre	165	282	202	144	103	103	103	51
2041 CapEx	Annual Depre	125	214	153	109	78	78	78	39
2047 CapEx	Annual Depre	97	166	118	85	60	60	60	30
2043 CapEx	Annual Depre	83	142	101	72	52	52	52	26
2044 CapEx	Annual Depre	84	144	103	74	53	53	53	26
2045 CapEx	Annual Depre	101	173	124	88	63	63	63	32
2046 CapEx	Annual Depre	130	223	159	114	81	81	81	41
2047 CapEx	Annual Depre	162	278	199	142	102	101	102	51
2048 CapEx	Annual Depre	195	334	238	170	122	122	122	61
2049 CapEx	Annual Depre								
2050 CapEx	Annual Depre								
2051 CapEx	Annual Depre								
2052 CapEx	Annual Depre								

Modified Accelerated Cost Recovery System (MACRS)									
Half-Year Convention									
	3	5	6	7	10	15	20	31.5	39
0	33.33%	20.00%	20.00%	14.29%	10.00%	5.00%	3.750%	1.720%	1.391%
1	44.45%	32.00%	16.00%	24.49%	18.00%	9.50%	7.219%	3.175%	2.564%
2	14.81%	19.20%	16.00%	17.49%	14.40%	8.55%	6.677%	3.175%	2.564%
3	7.41%	11.52%	16.00%	12.49%	11.52%	7.70%	6.177%	3.175%	2.564%
4		11.52%	16.00%	8.93%	9.22%	6.93%	5.713%	3.175%	2.564%
5		5.76%	16.00%	8.92%	7.37%	6.23%	5.285%	3.175%	2.564%
6				8.93%	6.55%	5.90%	4.888%	3.175%	2.564%
7				4.46%	6.55%	5.90%	4.522%	3.174%	2.564%
8					6.56%	5.91%	4.462%	3.175%	2.564%
9					6.55%	5.90%	4.461%	3.174%	2.564%
10					3.28%	5.91%	4.462%	3.175%	2.564%
11						5.90%	4.461%	3.174%	2.564%
12						5.91%	4.462%	3.175%	2.564%
13						5.90%	4.461%	3.174%	2.564%
14						5.91%	4.462%	3.175%	2.564%
15						2.95%	4.461%	3.174%	2.564%
16							4.462%	3.175%	2.564%
17							4.461%	3.174%	2.564%
18							4.462%	3.175%	2.564%
19							4.461%	3.174%	2.564%
20							2.231%	3.175%	2.564%
21								3.174%	2.564%
22								3.175%	2.564%
23								3.174%	2.564%
24								3.175%	2.564%
25								3.174%	2.564%
26								3.175%	2.564%
27								3.174%	2.564%
28								3.175%	2.564%
29								3.174%	2.564%
30								3.175%	2.564%
31								3.042%	2.564%
32									2.564%
33									2.564%
34									2.564%
35									2.564%
36									2.564%
37									2.564%
38									2.564%
39									1.177%
40									0.000%

12 Jan	100%
11 Feb	92%
10 Mar	84%
9 Apr	75%
8 May	67%
7 Jun	58%
6 Jul	50%
5 Aug	42%
4 Sep	33%
3 Oct	25%
2 Nov	17%
1 Dec	8%

Yes
No

Source:

<http://www.irs.gov/irb/2013-16/pri-16.html>

609	652	676	676	676	676	676	676	676	676	676	676	676	676	676	676	641	569	495	423	352	301	256
824	925	844	603	443	336	264	172	61														
(74)	(97)	(60)	26	83	121	146	179	218	240	240	240	240	240	240	240	227	202	176	150	127	107	91
1,137	1,369	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5,381	6,033	6,709	7,384	8,060	8,736	9,411	10,087	10,762	11,438	12,114	12,789	13,465	14,141	14,816	15,492	16,133	16,702	17,196	17,619	17,976	18,277	18,533
15,946	16,871	17,715	18,518	18,761	19,097	19,361	19,533	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594
(3,750)	(3,846)	(3,906)	(3,881)	(3,798)	(3,677)	(3,531)	(3,352)	(3,134)	(2,894)	(2,655)	(2,415)	(2,175)	(1,935)	(1,696)	(1,456)	(1,228)	(1,026)	(851)	(701)	(574)	(467)	(377)
18,211	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594	19,594
874	925	844	603	443	336	264	172	61														
(824)	(925)	(844)	(603)	(443)	(336)	(264)	(172)	(61)														
(293)	(328)	(300)	(214)	(157)	(119)	(94)	(61)	(22)														
609	652	676	676	676	676	676	676	676	676	676	676	676	676	676	676	641	569	495	423	352	301	256
(609)	(652)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(676)	(641)	(569)	(495)	(423)	(352)	(301)	(256)
(216)	(231)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(227)	(202)	(176)	(150)	(127)	(107)	(91)
(793)	(328)	(300)	(214)	(157)	(119)	(94)	(61)	(22)														
(216)	(231)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(240)	(227)	(202)	(176)	(150)	(127)	(107)	(91)
(76)	(97)	(60)	26	83	121	146	179	218	240	240	240	240	240	240	240	227	202	176	150	127	107	91

λ_1	λ_2	λ_3	λ_4	λ_5	λ_6	λ_7	λ_8	λ_9	λ_{10}	λ_{11}	λ_{12}	λ_{13}	λ_{14}	λ_{15}	λ_{16}	λ_{17}	λ_{18}	λ_{19}	λ_{20}	λ_{21}	λ_{22}	λ_{23}	λ_{24}	λ_{25}	λ_{26}	λ_{27}	λ_{28}	λ_{29}	λ_{30}	λ_{31}	λ_{32}	λ_{33}	λ_{34}	λ_{35}	λ_{36}	λ_{37}	λ_{38}	λ_{39}	λ_{40}	λ_{41}	λ_{42}	λ_{43}	λ_{44}	λ_{45}	λ_{46}	λ_{47}	λ_{48}	λ_{49}	λ_{50}	λ_{51}	λ_{52}	λ_{53}	λ_{54}	λ_{55}	λ_{56}	λ_{57}	λ_{58}	λ_{59}	λ_{60}	λ_{61}	λ_{62}	λ_{63}	λ_{64}	λ_{65}	λ_{66}	λ_{67}	λ_{68}	λ_{69}	λ_{70}	λ_{71}	λ_{72}	λ_{73}	λ_{74}	λ_{75}	λ_{76}	λ_{77}	λ_{78}	λ_{79}	λ_{80}	λ_{81}	λ_{82}	λ_{83}	λ_{84}	λ_{85}	λ_{86}	λ_{87}	λ_{88}	λ_{89}	λ_{90}	λ_{91}	λ_{92}	λ_{93}	λ_{94}	λ_{95}	λ_{96}	λ_{97}	λ_{98}	λ_{99}	λ_{100}
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

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

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-04**

QUESTION:

Please provide an analysis comparing the all-in costs of CEHE's services to a lighting customer with a non-LED installation versus an equivalent LED installation. Please include a breakout of the various components of cost to the customer, and perform the analysis at different wattage levels.

ANSWER:

An analysis comparing the all-in cost of a non-LED installation to an equivalent LED installation does not exist. However, a break out of the Capital and O&M cost by lamp type at the various wattage levels is shown in WP- Streetlight Rate Design tab SLS Rate Design.

SPONSOR (PREPARER):

Matthew Troxle/Julienne Sugarek (Matthew Troxle/Julienne Sugarek)

RESPONSIVE DOCUMENTS:

None

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

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-05**

QUESTION:

Please refer to CenterPoint's FERC Forms 1 as filed on the record in Docket No. 35588. Please explain why CenterPoint's request for FERC Account No. 925, Injuries and Damages, is so much greater for the test year than for 2017 and 2016 as reported on CenterPoint's FERC Forms 1.

ANSWER:

Please refer to GCCC02-30(c) and PUC09-08.

SPONSOR (PREPARER):

Kristie Colvin/Rebecca Demarr/Robert McRae (Kristie Colvin/Rebecca Demarr/Robert McRae)

RESPONSIVE DOCUMENTS:

None

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

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-06**

QUESTION:

Please provide CenterPoint's amount for *FERC Account No. 925, Injuries and Damages*, for calendar year 2019 through April 30, 2019.

ANSWER:

CenterPoint Houston's amount for FERC account number 9250 for March 31, 2019 year to date is \$4,804,781.63.

The FERC ledger has not closed for April 2019. CenterPoint Houston will provide an update after the FERC ledger closes for April 2019.

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**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-07**

QUESTION:

Please provide a schedule detailing the composition of the amounts for *FERC Account No. 925, Injuries and Damages*, included in CenterPoint's test-year amount of \$22,845,000 and included in the amount of \$2,317,000 that CenterPoint removed in its adjustment to *FERC Account No. 925*.

ANSWER:

Please see PUC09-08 attachment "PUC09-08 Attachment 1.xlsx" for the composition of the \$22,845,000.

Please see WP II-D-2 and related WPs for Injuries & Damages adjustments:

WP II-D-2 Adj 1 Energy Efficiency	\$ (2,967)
WP II-D-2 Adj 2 Transportation Depreciation	\$ (113)
WP II-D-2 Adj 4 Affiliate Wages	\$ 131,993
WP II-D-2 Adj 5 Direct Wages	\$ 847,873
WP II-D-2 Adj 8 Employee Expense	\$ (389)
WP II-D-2 Adj 10 Workers' Compensation	\$ (348,388)
WP II-D-2 Adj 12 Auto & General Reserve	\$ (2,945,349)
Total	\$ (2,317,340)

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
PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC09-08

QUESTION:

Please refer to CenterPoint's *FERC Forms 1* as filed on the record in *Docket No. 35588*. Please explain the significant upward trend in expenses in *FERC Account No. 925, Injuries and Damages*, since CenterPoint's last test-year of calendar year 2009 in *Docket No. 38339* (trending upward from \$4.8 million for 2010 to now \$22.8 million for 2018 as reported on *FERC Forms 1*). Please also provide amounts showing the data by sub-account and an explanation for the significant upward trend by sub-account.

ANSWER:

Please see PUC09-08 Attachment 1.xlsx for FERC Account 9250 Injuries & Damages by General Ledger Accounts from 2010 to 2018.

The increase in amounts recorded to FERC Account 9250 from 2010 to 2018 is primarily due to an increase in insurance costs resulting from higher general liability and workers compensation claims. Insurance reserves are periodically trued-up as a result of studies performed by outside actuarial firms. Please reference page 63 of Exhibit KLC-05 for historical General Liability Ultimate Loss amounts and page 27 of Exhibit KLC-04 for historical Workers Compensation Retained Ultimate Loss amounts. Insurance reserves are not necessarily recorded in the accident year of a claim. In addition to insurance reserves, costs for legal representation related to general liability claims also increased.

FERC Account 9250 also saw an increase due to reassignment of FERC accounts. CenterPoint Houston periodically reviews FERC assignments by cost center for updates and implements changes as required. Certain costs moved into FERC Account 9250, including costs related to administration of claims, which were previously included in FERC Account 9302.

SPONSOR (PREPARER):

Kristie Colvin/Rebecca Demarr/Robert McRae (Kristie Colvin/Rebecca Demarr/Robert McRae)

RESPONSIVE DOCUMENTS:

PUC09-08 Attachment 1.xlsx

CenterPoint Houston
FERC Account No. 9250 Injuries & Damages
2010-2018

Lead column	2010	2011	2012	2013	2014	2015	2016	2017	2018
515040 Sal&Wages Exp-Bonus/Inc-Exempt									123,002.75
515042 Sal&Wages Exp-Bonus/Inc-Non-Exempt									4,165.61
515044 Sal&Wages Exp-Bonus/Incentive-Union									32,124.16
515050 Sal&Wages Exp-Non-prod Time-Exempt									168,396.31
515052 Sal&Wages-Non-prod Time-Non-Exempt									12,293.32
515054 Sal&Wages Exp-Non-prod Time-Union									212,586.33
517988 Sal&Wages Exp-Other Comp-Union									3,447.00
517989 Sal&Wages Exp-Overtime Union - Double									121,541.10
517990 Sal&Wages Exp-Overtime Union (1.5)									46,505.64
517991 Sal&Wages Exp-Regular Union									825,597.69
517992 Sal&Wages Exp-Other Comp-Non-Exempt									205.50
517995 Sal&Wages Exp-Regular Non-Exempt									70,797.34
517996 Sal&Wages Exp-Other Comp-Exempt									11,116.58
517999 Sal&Wages Exp-Regular Exempt									928,490.71
518130 Sal/Burden Exp-Workers Compensation	(653,477.42)	105,594.08	572,078.62	3,834,409.37	1,785,813.76	1,371,375.79	40,012.33	2,545,808.39	1,611,706.49
521988 Sal/Burden Exp-Non-exempt PRB						(2,636.13)	(3,146.01)	(3,441.00)	(3,866.00)
521990 Sal/Burden Exp-Non-exempt OT PRB						(123.98)	(84.19)	(115.82)	(176.11)
521991 Sal/Burden Exp-Union OT PRB						(2,302.38)	(2,180.03)	(2,070.01)	(2,323.02)
521992 Sal/Burden Exp-Union DT PRB						(425.97)	(611.55)	(3,425.72)	(1,360.91)
521994 Sal/Burden Exp-Union						(16,564.99)	(19,771.41)	(19,119.92)	(19,946.19)
521999 Sal/Burden Exp-Payroll Burden						(14,646.28)	(17,427.36)	(17,718.61)	(18,405.16)
522010 Employ Rel Exp-Employee Travel									9,170.44
522020 Employ Rel Exp-Training									2,562.33
522030 Employ Rel Exp-Registration									158.50
522060 Employ Rel Exp-Bus Meals									13,928.90
522062 Employ Rel Exp-Bus Entertainment									115.52
522080 Employ Rel Exp-Park/In-town Travel									19,432.18
522110 Employ Rel Exp-Occ Health / Safety									2,652.23
522120 Employ Rel Exp-Books & Subscript									69.98
522130 Employ Rel Exp-Miscellaneous									664.08
523000 Employ Rel Exp-Reimburse/Deductions									(876.58)
530010 M&S Exp - Non-Inventory									47,624.22
530999 M&S Expenses - Inventory Issued									71,922.37
533010 M&S Exp-Computer Hardware									2,220.48
533020 M&S Exp-Computr Softwr & Upgrades									1,069.92
535010 M&S Exp-Office Supplies									690.59
543010 Contr&Svcs Exp-Prof Svcs-Ded									6,185.57
543090 Contr&Svcs Exp-Wireless Services									3,653.60
546010 Contr&Svcs Exp-Other Services									12,658.96
550041 Courier Expense									42.90
559964 A&G Exp - Deferred Other Exp	257.50								
560020 Claims/Settlements	(364,202.08)	(322,140.41)	(338,896.15)	(432,460.61)	(530,944.89)	810,368.57	300,941.46	140,716.44	167,373.49
560070 Insurance Exp-Excess Liability	2,911,484.87	3,292,849.22	3,525,358.61	3,751,444.14	5,569,670.37	8,798,933.57	8,961,700.57	8,454,453.49	8,370,654.37
560090 Insurance Exp-General Liability	2,750,430.46	2,811,920.91	3,471,111.77	6,483,421.35	9,808,789.40	7,602,478.80	453,505.74	3,489,063.42	9,270,204.90
560100 Insurance Exp-Auto Liability	151,587.83	823,346.25	179,790.54	245,022.97	581,640.96	732,768.24	538,317.78	372,494.16	939,195.87
560115 Insurance Exp-Other	3,393.00	2,620.00	2,839.00	2,879.00	13,893.22	12,440.22	3,248.00	7,886.00	36,768.61
560120 Insurance Exp-Umbrella Liability	89,736.00	89,736.16	89,736.00	89,736.00	75,070.98	112,216.20	119,230.73	98,415.78	41,998.20
565010 Repairs and Maintenance Expenses									815.00
572025 Rental Exp-Office Equipment									1,168.05
621016 Fleet Maintenance									1,709.58
621017 Fleet Adjustments, Damages, Modification									2,073.06
642071 Fleet Allocation									101.81
642074 Construction Overhead						(79,913.92)	(96,170.07)	(93,132.90)	(101,346.70)
642137 Safety & Training Billings									(1,144,611.40)
642142 Fleet GPS									191.94
643001 Union Labor Straight Time-Int Act Alloc						(54,526.80)	(67,997.25)	(68,540.73)	(922,023.27)
643002 Union Labor 1 1/2-Internal Activity Alloc						(13,253.23)	(13,283.42)	(13,785.53)	(58,187.63)

Lead column	2010	2011	2012	2013	2014	2015	2016	2017	2018
643003 Union Labor-Obl Time-Internal Act Alloc						(19,346.36)	(18,817.84)	(40,448.45)	(153,123.25)
643101 Labor Straight Time-NonExempt						(375.09)	(313.51)	(599.92)	(139.65)
643102 Labor 1 1/2-NonExempt						(52.60)	(54.57)	(705.16)	(39.03)
643112 Labor - Drive Time - NonExempt								(86.28)	(1.12)
643201 Labor Straight Time-Exempt						(4,475.92)	(3,299.25)	(6,366.18)	(25,113.95)
643202 Labor 1 1/2-Exempt						(235.49)	(107.92)	(4,354.04)	(710.81)
643501 Fleet Fuel									196.16
646383 Claims - Regulated Operations				1,348,628.50	1,246,249.58	1,504,727.47	1,914,510.05	2,116,461.85	2,096,553.52
702050 Depreciation Exp-Transportation									1,165.11
* 9250 Injuries & Damages									22,844,718.12
** Functional area	4,889,210.16	6,803,926.21	7,502,018.39	15,322,880.72	18,549,983.38	20,736,428.72	12,088,202.28	16,950,989.26	22,844,718.12

CERTIFICATE OF SERVICE

I hereby certify that on this 28th 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.


