SOAH DOCKET NO. 473-21-2530
PUC DOCKET NO. 52194

2021 JUL -5 AM 10: 22

APPLICATION OF CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC FOR APPROVAL TO AN ADJUSTMENT TO ITS ENERGY EFFICIENCY COST RECOVERY FACTOR	**§ § § § §**	**BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS**

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July 6, 2021

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CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 52194
SOAH DOCKET NO. 473-21-2530

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-01

QUESTION:

Refer to the Direct Testimony of Shea Richardson, page 26 Please provide the 2020 EECRF revenues by month by class that total $34,351,554

ANSWER:

Please review attached workpaper GCCC01-01.

SPONSOR (PREPARER):
John Durland/Shea Richardson

RESPONSIVE DOCUMENTS:
GCCC01-01.xlsx

CENTERPOINT ENERGY HOUSTON ELECTRIC
EECRF
REVENUES BY CLASS BY MONTH

CLASS	RATE	Tariff Meter Type	January	February	March	April
RESIDENTIAL	RES		$ 1,356,837.04	$ 1,097,782.24	$ 953,178.27	$ 1,120,236.30
COMMERCIAL	SVS	Non-IDR	$ 14,090.86	$ 11,640.79	$ 16,594.14	$ 16,239.38
COMMERCIAL	SVS	IDR	$ 3.34	$ 2.50	$ 3.35	$ 3.41
COMMERCIAL	SVL	Non-IDR	$ 701,009.94	$ 595,618.85	$ 546,314.25	$ 509,232.24
COMMERCIAL	SVL	IDR	$ 253,273.76	$ 222,085.69	$ 205,859.03	$ 195,194.48
COMMERCIAL	PVS	Non-IDR	$ 12,638.55	$ 11,255.69	$ 18,127.47	$ 17,886.36
COMMERCIAL	PVS	IDR	$ 55,023.01	$ 49,217.95	$ 86,329.55	$ 80,678.24
INDUSTRIAL	PVS	IDR	$ 136,167.94	$ 107,357.08	$ 214,338.20	$ 204,244.58
INDUSTRIAL	SVL	IDR	$ 325,924.32	$ 262,934.69	$ 256,869.95	$ 237,559.47
INDUSTRIAL	TVS	IDR	$ 8,340.89	$ 7,774.99	$ 13,024.90	$ 14,326.26
TOTAL BILLED SALES			$ 2,863,309.65	$ 2,365,670.47	$ 2,310,639.11	$ 2,395,600.72

CENTERPOINT ENERGY HOUSTON ELECTRIC
EECRF
REVENUES BY CLASS BY MONTH

CLASS	RATE	Tariff Meter Type	May	June	July	August
RESIDENTIAL	RES		$ 1,253,229.23	$ 1,770,247.80	$ 2,134,679.33	$ 2,013,563.64
COMMERCIAL	SVS	Non-IDR	$ 15,595.30	$ 17,363.79	$ 20,138.24	$ 18,189.40
COMMERCIAL	SVS	IDR	$ 3.35	$ 4.30	$ 4.15	$ 3.71
COMMERCIAL	SVL	Non-IDR	$ 514,736.39	$ 633,954.00	$ 772,059.72	$ 701,091.28
COMMERCIAL	SVL	IDR	$ 184,337.03	$ 221,784.24	$ 239,706.20	$ 225,948.20
COMMERCIAL	PVS	Non-IDR	$ 17,447.70	$ 23,493.34	$ 25,490.62	$ 23,391.71
COMMERCIAL	PVS	IDR	$ 77,104.12	$ 87,406.93	$ 93,782.30	$ 89,601.86
INDUSTRIAL	PVS	IDR	$ 170,472.70	$ 217,620.37	$ 224,521.54	$ 209,918.25
INDUSTRIAL	SVL	IDR	$ 217,501.89	$ 278,907.57	$ 302,826.03	$ 275,129.33
INDUSTRIAL	TVS	IDR	$ 18,134 02	$ 18,165.33	$ 21,096.69	$ 20,879.80
TOTAL BILLED SALES			$ 2,468,561.73	$ 3,268,947.67	$ 3,834,304.82	$ 3,577,717.18

CENTERPOINT ENERGY HOUSTON ELECTRIC
EECRF
REVENUES BY CLASS BY MONTH

CLASS	RATE	Tariff Meter Type	September	October
RESIDENTIAL	RES		$ 2,037,405.05	$ 1,472,779.95
COMMERCIAL	SVS	Non-IDR	$ 18,735.42	$ 17,756 66
COMMERCIAL	SVS	IDR	$ 4.27	$ 4 03
COMMERCIAL	SVL	Non-IDR	$ 723,661 56	$ 635,424 30
COMMERCIAL	SVL	IDR	$ 236,867 55	$ 230,183 09
COMMERCIAL	PVS	Non-IDR	$ 25,702.28	$ 23,682.54
COMMERCIAL	PVS	IDR	$ 90,192.66	$ 96,783 00
INDUSTRIAL	PVS	IDR	$ 211,694.82	$ 213,462 80
INDUSTRIAL	SVL	IDR	$ 283,930.94	$ 259,053.99
INDUSTRIAL	TVS	IDR	$ 15,917.57	$ 27,318 98
TOTAL BILLED SALES			$ 3,644,112.12	$ 2,976,449.34

CENTERPOINT ENERGY HOUSTON ELECTRIC
EECRF
REVENUES BY CLASS BY MONTH

CLASS	RATE	Tariff Meter Type	November	December	Total
RESIDENTIAL	RES		$ 997,579.53	$ 1,126,432.67	$ 17,333,951.05
COMMERCIAL	SVS	Non-IDR	$ 14,848.98	$ 17,742.55	$ 198,935.51
COMMERCIAL	SVS	IDR	$ 4.03	$ 4 66	$ 45 10
COMMERCIAL	SVL	Non-IDR	$ 486,632.43	$ 558,639.08	$ 7,378,374 04
COMMERCIAL	SVL	IDR	$ 172,999.89	$ 206,039.90	$ 2,594,279 06
COMMERCIAL	PVS	Non-IDR	$ 18,404.79	$ 19,922.45	$ 237,443.50
COMMERCIAL	PVS	IDR	$ 55,086.22	$ 85,240.03	$ 946,445.87
INDUSTRIAL	PVS	IDR	$ 179,773.86	$ 207,541.85	$ 2,297,113.99
INDUSTRIAL	SVL	IDR	$ 211,803.85	$ 255,145.78	$ 3,167,587.81
INDUSTRIAL	TVS	IDR	$ 11,270.05	$ 21,128.80	$ 197,378.28
TOTAL BILLED SALES			$ 2,148,403.63	$ 2,497,837.77	$ 34,351,554.21

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 52194
SOAH DOCKET NO. 473-21-2530

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-02

QUESTION:

Refer to the Direct Testimony of Shea Richardson, page 32. Please provide a breakdown of costs by employee by date for out-of-state travel expenses included in the filing.

ANSWER:

CenterPoint Energy has included $1,411.01 in out-of-state travel expenses. These expenses are associated with travel to the Association of Energy Professionals (AESP) Annual Conference which was attended by one of the Company's Energy Efficiency Analysts in February of 2020.

Additional detail regarding the travel expenses has been provided in the following responsive document:

GCCC01-02 - Out-of-State Travel Expenses.pdf

SPONSOR (PREPARER):
Shea Richardson

RESPONSIVE DOCUMENTS:
GCCC01-02 - Out-of-State Travel Expenses.pdf

GCCC01-02
Out-of-State Travel Expenses

Event:
Association of Energy Services Professionals (AESP) Annual Conference

Location:
Anaheim California

Dates:
February 17, 2020 - February 20, 2020

CenterPoint Energy Attendee & Purpose:
One Energy Efficiency Analyst attended the AESP Annual Conference to gain insights from Demand-side Management industry professionals on topics such as program design & implementation, data analytics and new technologies. This conference includes presentations, panel discussions, interactive roundtables, and networking events.

Expense	Expense Amount
Transportation - Airfare	$464.41
Transportation - Ground Transportation to/from Airport	$58.71
Transportation - Airline Luggage Fee	$60.00
Lodging - Hotel Stay for Conference	$742.14
Meals	$85.75
Total	**$1,411.01**

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 52194
SOAH DOCKET NO. 473-21-2530

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-03

QUESTION:

Refer to Exhibit SAR-1, page 33. Please explain if the Retro Commissioning MTP met the cost effectiveness standard in 2020 and provide supporting workpapers.

ANSWER:

The Company's Retro-Commissioning MTP met the cost-effectiveness standard in 2020 with a benefit-cost ratio of 2.79.

Cost-effectiveness calculations for the Retro-Commissioning program are detailed in rows 51-52 of workpaper SARWP-4-Bonus Calculation.xlsx.

SPONSOR (PREPARER):
Shea Richardson

RESPONSIVE DOCUMENTS:
GCCC01-03 - SARWP4 - Bonus Calculation.xlsx

CenterPoint Energy

2020 Measure Level Detail and Bonus Calculation

	Program	Measure	Reported / Verified kW	Reported / Verified MW	Reported / Verified kWh
	Commercial Standard Offer Program (SOP)	ACE-HVAC(U) - DX	214.2	0.21	551,588.0
	Commercial Standard Offer Program (SOP)	ACE-HVAC(U) - Screw/Scroll	171.9	0.17	1,095,995.0
	Commercial Standard Offer Program (SOP)	Heat Pump	1,887.8	1.89	2,790,138.0
	Commercial Standard Offer Program (SOP)	Chiller Saving MV	23.7	0.02	49,344.0
	Commercial Standard Offer Program (SOP)	LED	7,587.3	7.59	38,927,799.0
	Commercial Standard Offer Program (SOP)	Occupancy Sensor Controls	65.3	0.07	214,080.0
	Commercial Standard Offer Program (SOP)	Motor saving MV	0.5	0.00	21,042.0
	Commercial Standard Offer Program (SOP)	Other	2.3	0.00	13,742.0
	Commercial Standard Offer Program (SOP)	Lighting Controls	203.6	0.20	1,109,041.0
	Commercial Standard Offer Program (SOP)	Custom Measure	173.0	0.17	829,868.0
	Commercial Standard Offer Program (SOP)	VFD saving MV	25.6	0.03	719,040.0
	Commercial Standard Offer Program (SOP)	Evaporator Fan Motors	162.3	0.16	1,342,376.0
	Commercial Standard Offer Program (SOP)	Air Compressor Replacement	73.2	0.07	678,024.0
	Commercial Standard Offer Program (SOP)	ACE-HVAC(U) - Centrifugal	83.9	0.08	615,318.0
	Commercial Standard Offer Program (SOP)	Refrigerated Cases	444.3	0.44	3,898,608.0
1.0 Com	**Commercial Standard Offer Program**	**All Measures**	**11,118.9**	**11.1**	**52,856,003.0**
	Score	Implementation Cost			
	Score	Chiller - Screw/Scroll/Reciprocating	696.9	0.70	2,732,031.8
	Score	Chiller - Centrifugal	40.8	0.04	820,002.0
	Score	Roofing	263.6	0.26	1,342,548.0
	Score	HVAC - DX/Heat Pump/VRF	144.2	0.14	492,478.3
	Score	Various Measures	886.3	0.89	639,512.0
	Score	Custom Measure	27.4	0.03	349,240.0
	Score	Integrated-ballast LED Lamps	90.7	0.09	583,615.0
	Score	Lighting Controls	376.1	0.38	1,311,091.0
	Score	LED	2,698.8	2.70	12,093,522.0
2.0 Com	**SCORE**	**All Measures**	**5,224.9**	**5.22**	**20,364,040.0**
	Healthcare	Implementation Cost			
	Healthcare	ACE-HVAC(U) - Screw/Scroll	275.8	0.28	2,249,482.0
	Healthcare	Motor saving MV	26.2	0.03	229,842.0
	Healthcare	ACE-HVAC(U) - DX	27.9	0.03	165,646.0
	Healthcare	Food Service – Convection Oven	10.8	0.01	51,328.0
	Healthcare	LED	402.3	0.40	2,776,100.0
	Healthcare	Operational	72.1	0.07	476,162.0
	Healthcare	Window Install	-	0.00	-
	Healthcare	Roofing	10.9	0.01	22,825.0
3.0 Com	**Healthcare**	**All Measures**	**825.9**	**0.83**	**5,971,385.0**
	Data Centers Program	Implementation Cost			
	Data Centers Program	Lighting	31.1	0.03	139,942.0
	Data Centers Program	Cooling Equipment (CRAC/CRAH)	109.0	0.11	1,361,916.0
	Data Centers Program	Cooling Equipment (Chiller)	35.6	0.04	207,886.0
	Data Centers Program	EC Fan Retrofit	222.0	0.22	1,944,588.0
4.0 Com	**Data Centers Program**	**All Measures**	**397.7**	**0.40**	**3,654,332.0**
30.0 Com	**Commercial MTP (SCORE, Healthcare, Data Center)**	**All Measures**	**6,448.5**	**6.45**	**29,989,757.0**
	Commercial Load Management (SOP)	Scheduled Event	99,493.2	99.49	596,959.0
5.0 Com	**Commercial Load Management Standard Offer Program**	**All Measures**	**99,493.2**	**99.49**	**596,959.0**
	Retro-Commissioning MTP	RCX Custom	1,128.9	1.13	6,460,231.4
6.0 Com	**Retro-Commissioning MTP**	**All Measures**	**1,128.9**	**1.13**	**6,460,231.4**
	REP (Commercial CoolSaver)	Implementation Cost			
	REP (Commercial CoolSaver)	Tune Up	509.1	0.51	644,644.0
7.0 Com	**REP MTP (Commercial CoolSaver)**	**All Measures**	**509.1**	**0.51**	**644,644.0**
	Advanced Lighting Commercial	Implementation Cost			
	Advanced Lighting Commercial	Lighting	306.7	0.31	1,710,478.2
20.0 Com	**Advanced Lighting Commercial MTP**	**All Measures**	**306.7**	**0.31**	**1,710,478.2**
	CenterPoint Energy High Efficiency Homes MTP	Implementation Cost			
	CenterPoint Energy High Efficiency Homes MTP	New Home	11,020.1	11.02	29,870,174.0
8.0 Res	**CenterPoint Energy High Efficiency Home MTP**	**All Measures**	**11,020.1**	**11.02**	**29,870,174.0**
	Residential & Small Commercial (SC) SOP	Central Air Conditioner Replacement	100.2	0.10	204,633.0
	Residential & Small Commercial (SC) SOP	Solar PV	133.1	0.13	634,554.0
	Residential & Small Commercial (SC) SOP	Energy Star Window	0.8	0.00	1,260.0
	Residential & Small Commercial (SC) SOP	Ceiling Insulation	219.8	0.22	343,142.9
	Residential & Small Commercial (SC) SOP	Heat Pump Replacement	17.3	0.02	31,078.0

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	Residential & Small Commercial (SC) SOP	Refrigerator/Freezer Recycling	9.1	0.01	72,153.9
9.0 Res	**Residential & Small Commercial Standard Offer Program**	**All Measures**	**480.4**	**0.48**	**1,286,821.8**
	Smart Thermostat Program (Pilot)	Implementation Cost			
	Smart Thermostat Program (Pilot)	Learning Thermostats	-	0.00	2,741,600.0
10.0 Res	**Smart Thermostat Program**	**All Measures**	**-**	**0.00**	**2,741,600.0**
	Advanced Lighting Residential	Implementation Cost			
	Advanced Lighting Residential	Lighting	5,827.8	5.83	32,499,086.5
11.0 Res	**Advanced Lighting Residential MTP**	**All Measures**	**5,827.8**	**5.83**	**32,499,086.5**
	Residential A/C and Pool Pump Distributor MTP	Implementation Cost			
	Residential A/C and Pool Pump Distributor MTP	Heat Pump Replacement	230.0	0.23	449,912.9
	Residential A/C and Pool Pump Distributor MTP	Learning Thermostats	-	0.00	631,916.4
	Residential A/C and Pool Pump Distributor MTP	Central Air Conditioner	2,938.2	2.94	6,787,555.7
	Residential A/C and Pool Pump Distributor MTP	Pool Pump Measure	347.9	0.35	2,439,575.8
12.0 Res	**Midstream MTP (HVAC and Pool Pump Distributor)**	**All Measures**	**3,516.1**	**3.52**	**10,308,960.8**
	Efficiency Connection - LED	Lighting	192.4	0.19	1,102,513.3
	Efficiency Connection - LED	**All Measures**	**192.4**	**0.19**	**1,102,513.3**
	REP (Residential CoolSaver)	Implementation Cost			
	REP (Residential CoolSaver)	Tune Up	896.1	0.90	2,285,836.0
	REP (Residential CoolSaver)	**All Measures**	**896.1**	**0.90**	**2,285,836.0**
13.0 Res	**REP MTP (Residential CoolSaver and Efficiency Connection)**	**All Measures**	**1,088.5**	**1.09**	**3,388,349.3**
	Residential Demand Response SOP	Scheduled Event	20,552.0	20.55	123,311.7
14.0 Res	**Residential Load Management Standard Offer Program**	**All Measures**	**20,552.0**	**20.55**	**123,311.7**
	Water and Space Heating	Boiler	3,647.1	3.65	6,374,094.4
	Water and Space Heating	**All Measures**	**3,647.1**	**3.65**	**6,374,094.4**
	High Efficiency New Construction	Construction	195.6	0.20	950,365.4
	High Efficiency New Construction	**All Measures**	**195.6**	**0.20**	**950,365.4**
	Multi-Family Market Rate MTP	Implementation Cost			
15.0 Res	**Multi-Family MTP Market Rate**	**All Measures**	**3,842.7**	**3.84**	**7,324,459.8**
	Smart Home Energy Management System (Pilot)	Implementation Cost	-	0.00	-
	Smart Home Energy Management System (Pilot)	SHEM	-	0.00	-
21.0 Res	**Smart Home Energy Management System (Pilot)**	**All Measures**	**-**	**0.00**	**-**
	Hard-to-Reach SOP	Ceiling Insulation	862.9	0.86	1,022,188.5
16.0 HTR	**Hard-to-Reach Standard Offer Program**	**All Measures**	**862.9**	**0.86**	**1,022,188.5**
	Multi-Family MTP Hard-to-Reach	Faucet Aerator	1.8	0.00	3,837.8
	Multi-Family MTP Hard-to-Reach	Fixed Shower Showerhead(s)	43.2	0.04	116,788.9
	Multi-Family MTP Hard-to-Reach	LED	127.5	0.13	869,663.6
	Multi-Family MTP Hard-to-Reach	Implementation Cost			
17.0 HTR	**Multi-Family MTP Hard-to-Reach**	**All Measures**	**172.5**	**0.17**	**990,290.3**
	Targeted Low Income MTP (Agencies in Action)	Implementation Cost			
	Targeted Low Income MTP (Agencies in Action)	LED	3.0	0.00	15,473.8
	Targeted Low Income MTP (Agencies in Action)	Air Infiltration	26.6	0.03	26,526.4
	Targeted Low Income MTP (Agencies in Action)	Attic Insulation	206.1	0.21	354,747.7
	Targeted Low Income MTP (Agencies in Action)	Central AC	0.5	0.00	1,053.0
	Targeted Low Income MTP (Agencies in Action)	Central Heat Pump	4,572.0	4.57	7,360,870.7
	Targeted Low Income MTP (Agencies in Action)	Pipe Insulation	0.0	0.00	336.0
	Targeted Low Income MTP (Agencies in Action)	Refrigerator Replacement	0.1	0.00	525.6
	Targeted Low Income MTP (Agencies in Action)	Solar Screen	1.7	0.00	2,605.7
	Targeted Low Income MTP (Agencies in Action)	Wall Insulation	8.3	0.01	12,439.9
18.0 HTR	**Targeted Low Income MTP (Agencies in Action)**	**All Measures**	**4,818.3**	**4.82**	**7,774,578.8**
19.0 R&D	**Research and Development**	**All Measures**			

Program Type			
Commercial	119,005.3	119.0	92,258,072.7
Residential & Small Commercial	46,327.6	46.3	87,542,763.9
HTR	5,853.6	5.9	9,787,057.6
Research and Development	-	-	-
Total	**171,186.6**	**171.2**	**189,587,894.1**

Reported / Verified MWh	Estimated Useful Measure Life	Percentage of Demand Savings by Measure	Incentives	Admin Cost	EM&V Expenses	Rate Case	Total Program Cost
551.59	15.0	1.93%	$ 108,523	$ 16,966	$ 2,596.56	$ 233	$ 128,318
1,096.00	20.0	1.55%	$ 151,520	$ 23,688	$ 3,625.33	$ 326	$ 179,159
2,790.14	15.0	16.98%	$ 1,513,198	$ 236,565	$ 36,205.42	$ 3,251	$ 1,789,219
49.34	25.0	0.21%	$ 11,637	$ 1,819	$ 278.43	$ 25	$ 13,760
38,927.80	15.0	68.24%	$ 3,272,109	$ 511,544	$ 78,289.90	$ 7,031	$ 3,868,973
214.08	10.0	0.59%	$ 28,042	$ 4,384	$ 670.94	$ 60	$ 33,157
21.04	15.0	0.00%	$ 1,358	$ 212	$ 32.48	$ 3	$ 1,605
13.74	10.0	0.02%	$ 1,107	$ 173	$ 26.47	$ 2	$ 1,308
1,109.04	10.0	1.83%	$ 98,949	$ 15,469	$ 2,367.50	$ 213	$ 116,998
829.87	15.0	1.56%	$ 92,691	$ 14,491	$ 2,217.76	$ 199	$ 109,598
719.04	15.0	0.23%	$ 45,636	$ 7,134	$ 1,091.91	$ 98	$ 53,961
1,342.38	15.0	1.46%	$ 104,871	$ 16,395	$ 2,509.18	$ 225	$ 124,000
678.02	15.0	0.66%	$ 60,643	$ 9,481	$ 1,450.97	$ 130	$ 71,705
615.32	25.0	0.75%	$ 82,646	$ 12,920	$ 1,977.43	$ 178	$ 97,722
3,898.61	12.0	4.00%	$ 331,656	$ 51,849	$ 7,935.34	$ 713	$ 392,153
52,856.0	**14.9**	**100.00%**	**$ 5,904,583.7**	**$ 923,090**	**$ 141,275.63**	**$ 12,687**	**$ 6,981,637**
			$ 1,192,092				
2,732.03	20.0	13.34%	$ 654,753	$ 53,666	$ 10,815.10	$ 1,407	$ 720,641
820.00	25.0	0.78%	$ 95,899	$ 7,860	$ 1,584.04	$ 206	$ 105,549
1,342.55	15.0	5.05%	$ 244,237	$ 20,019	$ 4,034.26	$ 525	$ 268,814
492.48	15.0	2.76%	$ 116,615	$ 9,558	$ 1,926.22	$ 251	$ 128,350
639.51	20.0	16.96%	$ 422,842	$ 34,658	$ 6,984.43	$ 909	$ 465,393
349.24	15.0	0.52%	$ 37,982	$ 3,113	$ 627.37	$ 82	$ 41,804
583.62	9.0	1.74%	$ 39,153	$ 3,209	$ 646.73	$ 84	$ 43,093
1,311.09	10.0	7.20%	$ 163,386	$ 13,392	$ 2,698.79	$ 351	$ 179,828
12,093.52	15.0	51.65%	$ 1,746,204	$ 143,127	$ 28,843.49	$ 3,752	$ 1,921,926
20,364.04	**16.1**	**100.00%**	**$ 3,521,069.39**	**$ 288,603**	**$ 58,160.42**	**$ 7,566**	**$ 3,875,398**
			$ 599,647				
2,249.48	20.0	33.39%	$ 462,752	$ 58,954	$ 7,643.66	$ 994	$ 530,344
229.84	15.0	3.18%	$ 37,846	$ 4,822	$ 625.14	$ 81	$ 43,374
165.65	15.0	3.37%	$ 40,435	$ 5,151	$ 667.89	$ 87	$ 46,341
51.33	12.0	1.31%	$ 10,688	$ 1,362	$ 176.55	$ 23	$ 12,250
2,776.10	15.0	48.71%	$ 499,305	$ 63,611	$ 8,247.44	$ 1,073	$ 572,237
476.16	5.0	8.73%	$ 94,429	$ 12,030	$ 1,559.77	$ 203	$ 108,222
0.00	25.0	0.00%	$ 20,427	$ 2,602	$ 337.40	$ 44	$ 23,410
22.83	15.0	1.31%	$ 12,546	$ 1,598	$ 207.23	$ 27	$ 14,378
5,971.39	**15.8**	**100.00%**	**$ 1,178,427.98**	**$ 150,131**	**$ 19,465.07**	**$ 2,532**	**$ 1,350,556**
			$ 619,844				
139.94	15.0	7.82%	$ 58,016	$ 5,132	$ 958.30	$ 125	$ 64,231
1,361.92	20.0	27.39%	$ 259,688	$ 22,972	$ 4,289.48	$ 558	$ 287,507
207.89	20.0	8.96%	$ 76,573	$ 6,773	$ 1,264.82	$ 165	$ 84,776
1,944.59	15.0	55.83%	$ 504,531	$ 44,630	$ 8,333.76	$ 1,084	$ 558,579
3,654.33	**16.8**	**100.00%**	**$ 898,808.14**	**$ 79,507**	**$ 14,846.36**	**$ 1,931**	**$ 995,093**
29,989.76	**16.1**		**$ 5,598,305.51**	**$ 518,241**	**$ 92,471.85**	**$ 12,029**	**$ 6,221,047**
596.96	1.0	100.00%	$ 3,291,908	$ 250,426	$ 22,840.35	$ 7,073	$ 3,572,247
596.96	**1.0**	**100.00%**	**$ 3,291,907.51**	**$ 250,426**	**$ 22,840.35**	**$ 7,073**	**$ 3,572,247**
6,460.23	5.0	100.00%	$ 823,754	$ 186,399	$ 37,077.11	$ 1,770	$ 1,049,000
6,460.23	**5.0**	**100.00%**	**$ 823,753.81**	**$ 186,399**	**$ 37,077.11**	**$ 1,770**	**$ 1,049,000**
			$ 43,950				
644.64	5.0	100.00%	$ 112,041	$ 26,734	$ 8,314.38	$ 241	$ 147,330
644.64	**5.0**	**100.00%**	**$ 112,040.92**	**$ 26,734**	**$ 8,314.38**	**$ 241**	**$ 147,330**
			$ 26,523				
1,710.48	15.0	100.00%	$ 49,799	$ 5,199	$ 8,209.92	$ 107	$ 63,316
1,710.48	**15.0**	**100.00%**	**$ 49,799.39**	**$ 5,199**	**$ 8,209.92**	**$ 107**	**$ 63,316**
			$ 549,681				
29,870.17	23.0	100.00%	$ 4,678,666	$ 398,218	$ 31,741.11	$ 10,053	$ 5,118,677
29,870.17	**23.0**	**100.00%**	**$ 4,678,665.54**	**$ 398,218**	**$ 31,741.11**	**$ 10,053**	**$ 5,118,677**
204.63	18.0	20.86%	$ 65,768	$ 19,148	$ 5,781.56	$ 141	$ 90,839
634.55	30.0	27.71%	$ 81,098	$ 23,611	$ 7,129.14	$ 174	$ 112,012
1.26	25.0	0.17%	$ 291	$ 85	$ 25.59	$ 1	$ 402
343.14	25.0	45.76%	$ 102,464	$ 29,832	$ 9,007.39	$ 220	$ 141,523
31.08	15.0	3.61%	$ 10,276	$ 2,992	$ 903.34	$ 22	$ 14,193

72.15	8.0	1.90%	$ 9,600	$ 2,795	$ 843.92	$ 21	$ 13,260
1,286.82	**24.2**	**100.00%**	**$ 269,497.35**	**$ 78,462**	**$ 23,690.93**	**$ 579**	**$ 372,229**
			$ 221,000				
2,741.60	11.0	100.00%	$ 336,000	$ 62,636	$ 28,250.60	$ 722	$ 427,608
2,741.60	**11.0**	**100.00%**	**$ 336,000.00**	**$ 62,636**	**$ 28,250.60**	**$ 722**	**$ 427,608**
			$ 503,943				
32,499.09	15.0	100.00%	$ 946,188	$ 98,786	$ 23,882.63	$ 2,033	$ 1,070,890
32,499.09	**15.0**	**100.00%**	**$ 946,188.32**	**$ 98,786**	**$ 23,882.63**	**$ 2,033**	**$ 1,070,890**
			$ 375,651				
449.91	15.0	6.54%	$ 141,424	$ 10,160	$ 1,148.01	$ 304	$ 153,037
631.92	11.0	0.00%	$ 48,777	$ 3,504	$ 395.94	$ 105	$ 52,781
6,787.56	18.0	83.56%	$ 2,036,313	$ 146,292	$ 16,529.73	$ 4,375	$ 2,203,510
2,439.58	10.0	9.89%	$ 370,471	$ 26,615	$ 3,007.29	$ 796	$ 400,890
10,308.96	**17.0**	**100.00%**	**$ 2,596,985.74**	**$ 186,571**	**$ 21,080.97**	**$ 5,580**	**$ 2,810,218**
1,102.51	15.0	100.00%	$ 179,842	$ 30,694	$ 3,942.26	$ 386	$ 214,864
1,102.51	**15.0**	**100.00%**	**$ 179,842.04**	**$ 30,694**	**$ 3,942.26**	**$ 386**	**$ 214,864**
			$ 391,378				
2,285.84	5.0	100.00%	$ 530,269	$ 90,501	$ 11,623.88	$ 1,139	$ 633,534
2,285.84	**5.0**	**100.00%**	**$ 530,269.23**	**$ 90,501**	**$ 11,623.88**	**$ 1,139**	**$ 633,534**
3,388.35	**20.0**	**100.00%**	**$ 710,111.27**	**$ 121,195**	**$ 15,566.14**	**$ 1,526**	**$ 848,398**
123.31	1.0	100.00%	$ 835,751	$ 101,045	$ 22,164.49	$ 1,796	$ 960,755
123.31	**1.0**	**100.00%**	**$ 835,750.52**	**$ 101,045**	**$ 22,164.49**	**$ 1,796**	**$ 960,755**
6,374.09	20.0	100.00%	$ 877,964	$ 81,284	$ 8,113.44	$ 1,886	$ 969,248
6,374.09	**20.0**	**100.00%**	**$ 877,963.90**	**$ 81,284**	**$ 8,113.44**	**$ 1,886**	**$ 969,248**
950.37	23.0	100.00%	$ 205,108	$ 18,990	$ 1,895.45	$ 441	$ 226,434
950.37	**23.0**	**100.00%**	**$ 205,108.31**	**$ 18,990**	**$ 1,895.45**	**$ 441**	**$ 226,434**
			$ 171,807				
7,324.46	**23.0**	**100.00%**	**$ 1,083,072.21**	**$ 100,274**	**$ 10,008.88**	**$ 2,327**	**$ 1,195,682**
0.00	-		$ -				
0.00	-	0.00%	$ 300,000	$ 7,327	$ 7,404.11	$ 645	$ 315,376
0.00	**-**	**0.00%**	**$ 300,000.00**	**$ 7,327**	**$ 7,404.11**	**$ 645**	**$ 315,376**
1,022.19	25.0	100.00%	$ 498,979	$ 99,869	$ 7,475.45	$ 1,072	$ 607,396
1,022.19	**25.0**	**100.00%**	**$ 498,979.17**	**$ 99,869**	**$ 7,475.45**	**$ 1,072**	**$ 607,396**
3.84	10.0	1.03%	$ 1,404	$ 358	$ 38.60	$ 3	$ 1,804
116.79	10.0	25.04%	$ 20,585	$ 5,252	$ 565.82	$ 44	$ 26,447
869.66	20.0	73.93%	$ 310,260	$ 79,163	$ 8,528.10	$ 667	$ 398,617
			$ 44,517				
990.29	**24,669,576,426.4**	**100.00%**	**$ 332,248.89**	**$ 84,773**	**$ 9,132.52**	**$ 713.89**	**$ 426,868**
			$ 417,959				
15.47	16.0	0.06%	$ 4,389	$ 339	$ 20.74	$ 9	$ 4,758
26.53	11.0	0.55%	$ 28,103	$ 2,170	$ 132.81	$ 60	$ 30,466
354.75	25.0	4.28%	$ 271,656	$ 20,981	$ 1,283.78	$ 584	$ 294,505
1.05	18.0	0.01%	$ 4,137	$ 320	$ 19.55	$ 9	$ 4,485
7,360.87	15.0	94.89%	$ 3,444,596	$ 266,040	$ 16,278.28	$ 7,401	$ 3,734,316
0.34	13.0	0.00%	$ 203	$ 16	$ 0.96	$ 0	$ 220
0.53	16.0	0.00%	$ 3,554	$ 274	$ 16.79	$ 8	$ 3,853
2.61	10.0	0.03%	$ 3,149	$ 243	$ 14.88	$ 7	$ 3,414
12.44	25.0	0.17%	$ 14,581	$ 1,126	$ 68.91	$ 31	$ 15,808
7,774.58	**15.4**	**100.00%**	**$ 3,774,368.51**	**$ 291,509**	**$ 17,836.70**	**$ 8,110**	**$ 4,091,824**
				$ 318,228			**$ 318,228**

92,258.1	3.2	69.52%	$ 15,780,390.83	$ 1,910,090.12	$ 310,189.23	$ 33,906.79	$ 18,034,576.96
87,542.8	11.7	27.06%	$ 11,756,270.95	$ 1,154,513.38	$ 183,789.86	$ 25,260.30	$ 13,119,834.48
9,787.1	726,909,181.9	3.42%	$ 4,605,596.57	$ 476,151.77	$ 34,444.67	$ 9,895.89	$ 5,126,088.91
-		0.00%	$ -	$ 318,227.92	$ -	$ -	$ 318,227.92
189,587.9	**24,856,330.5**	**100.00%**	**$ 32,142,258.35**	**$ 3,858,983.19**	**$ 528,423.76**	**$ 69,062.97**	**$ 36,598,728.27**
						Program spending	$ 36,001,241.54
						Program Spend + EMV & R	$ 36,598,728.27

Avoided Cost Calculation

Prior Year Bonus	Total Program Cost With Bonus	$ / kW	$ / kWh	Maximum Avoided Cost	Net Benefits
$ 23,625.48	$ 151,943.60	$ 772.52	$ 1.098	$ 770,904	$ 642,586
$ 32,986.05	$ 212,144.71	$ 911.06	$ 1.294	$ 1,575,268	$ 1,396,109
$ 329,424.71	$ 2,118,644.05	$ 772.52	$ 1.098	$ 4,520,724	$ 2,731,505
$ 2,533.39	$ 16,293.12	$ 1,014.15	$ 1.441	$ 95,092	$ 81,333
$ 712,341.63	$ 4,581,315.02	$ 772.52	$ 1.098	$ 48,586,834	$ 44,717,860
$ 6,104.69	$ 39,261.34	$ 586.35	$ 0.833	$ 216,619	$ 183,462
$ 295.55	$ 1,900.80	$ 772.52	$ 1.098	$ 23,442	$ 21,837
$ 240.89	$ 1,549.22	$ 586.35	$ 0.833	$ 12,814	$ 11,506
$ 21,541.33	$ 138,539.71	$ 586.35	$ 0.833	$ 1,043,269	$ 926,271
$ 20,178.88	$ 129,777.33	$ 772.52	$ 1.098	$ 1,044,474	$ 934,876
$ 9,935.03	$ 63,895.59	$ 772.52	$ 1.098	$ 808,995	$ 755,035
$ 22,830.48	$ 146,830.70	$ 772.52	$ 1.098	$ 1,598,684	$ 1,474,684
$ 13,202.06	$ 84,907.03	$ 772.52	$ 1.098	$ 800,742	$ 729,037
$ 17,992.15	$ 115,713.72	$ 1,014.15	$ 1.441	$ 971,670	$ 873,949
$ 72,201.84	$ 464,354.95	$ 667.47	$ 0.948	$ 3,993,648	$ 3,601,494
$ 1,285,434.15	**$ 8,267,070.89**			**$ 66,063,181**	**$ 59,081,544**
$ 132,681.92	$ 853,323.23	$ 911.06	$ 1.294	$ 4,171,251	$ 3,450,609
$ 19,433.30	$ 124,982.28	$ 1,014.15	$ 1.441	$ 1,222,890	$ 1,117,341
$ 49,493.13	$ 318,307.44	$ 772.52	$ 1.098	$ 1,677,160	$ 1,408,346
$ 23,631.29	$ 151,980.97	$ 772.52	$ 1.098	$ 651,936	$ 523,586
$ 85,686.47	$ 551,079.25	$ 911.06	$ 1.294	$ 1,635,271	$ 1,169,879
$ 7,696.76	$ 49,500.53	$ 772.52	$ 1.098	$ 404,486	$ 362,682
$ 7,934.18	$ 51,027.46	$ 542.05	$ 0.770	$ 498,612	$ 455,519
$ 33,109.32	$ 212,937.44	$ 586.35	$ 0.833	$ 1,312,747	$ 1,132,919
$ 353,858.13	$ 2,275,783.80	$ 772.52	$ 1.098	$ 15,358,208	$ 13,436,283
$ 713,524.49	**$ 4,588,922.40**			**$ 26,932,562**	**$ 23,057,165**
$ 97,645.09	$ 627,989.30	$ 911.06	$ 1.294	$ 3,162,936	$ 2,632,592
$ 7,985.95	$ 51,360.43	$ 772.52	$ 1.098	$ 272,536	$ 229,161
$ 8,532.12	$ 54,873.02	$ 772.52	$ 1.098	$ 203,321	$ 156,980
$ 2,255.37	$ 14,505.06	$ 667.47	$ 0.948	$ 55,870	$ 43,621
$ 105,358.16	$ 677,594.73	$ 772.52	$ 1.098	$ 3,357,730	$ 2,785,494
$ 19,925.49	$ 128,147.68	$ 336.18	$ 0.478	$ 251,661	$ 143,439
$ 4,310.19	$ 27,720.33	$ 1,014.15	$ 1.441	$ -	$ (23,410)
$ 2,647.24	$ 17,025.31	$ 772.52	$ 1.098	$ 33,441	$ 19,063
$ 248,659.62	**$ 1,599,215.87**			**$ 7,337,496**	**$ 5,986,940**
$ 11,826.02	$ 76,057.21	$ 772.52	$ 1.098	$ 177,612	$ 113,381
$ 52,934.73	$ 340,441.53	$ 911.06	$ 1.294	$ 1,862,102	$ 1,574,595
$ 15,608.59	$ 100,384.26	$ 911.06	$ 1.294	$ 301,554	$ 216,779
$ 102,843.59	$ 661,422.67	$ 772.52	$ 1.098	$ 2,305,820	$ 1,747,241
$ 183,212.94	**$ 1,178,305.67**			**$ 4,647,089**	**$ 3,651,996**
$ 1,145,397.05	**$ 7,366,443.94**			**$ 38,917,148**	**$ 32,696,101**
$ 657,709.50	$ 4,229,956.92	$ 75.41	$ 0.107	$ 7,566,630	$ 3,994,382
$ 657,709.50	**$ 4,229,956.92**			**$ 7,566,630**	**$ 3,994,382**
$ 193,138.15	$ 1,242,138.12	$ 336.18	$ 0.478	$ 3,465,123	$ 2,416,123
$ 193,138.15	**$ 1,242,138.12**			**$ 3,465,123**	**$ 2,416,123**
$ 27,125.95	$ 174,456.33	$ 336.18	$ 0.478	$ 479,065	$ 331,735
$ 27,125.95	**$ 174,456.33**			**$ 479,065**	**$ 331,735**
$ 11,657.44	$ 74,973.01	$ 772.52	$ 1.098	$ 2,114,299	$ 2,050,984
$ 11,657.44	**$ 74,973.01**			**$ 2,114,299**	**$ 2,050,984**
$ 942,432.65	$ 6,061,109.82	$ 976.53	$ 1.387	$ 52,203,328	$ 47,084,651
$ 942,432.65	**$ 6,061,109.82**			**$ 52,203,328**	**$ 47,084,651**
$ 16,725.01	$ 107,564.33	$ 860.50	$ 1.223	$ 336,405	$ 245,566
$ 20,623.30	$ 132,635.55	$ 1,090.87	$ 1.550	$ 1,128,703	$ 1,016,691
$ 74.02	$ 476.03	$ 1,014.15	$ 1.441	$ 2,633	$ 2,231
$ 26,056.74	$ 167,579.92	$ 1,014.15	$ 1.441	$ 717,369	$ 575,845
$ 2,613.20	$ 16,806.40	$ 772.52	$ 1.098	$ 47,490	$ 33,297

2020 Avoided Cost Data	
Avoided Cost per kW	**$80**
Avoided Cost per kWh	**$0.11366**
Inflation Rate	**2.0%**
Discount Rate	**8.2%**
PV(Avd Capacity Cost)	**$364.654**
PV(Avd Energy Cost)	**$0.518**
Measure Life Avg. Yrs	**5.5**

$ 2,441.29	$ 15,700.80	$ 495.05	$ 0.703	$ 55,267	$ 42,008
$ 68,533.57	**$ 440,763.03**			**$ 2,287,867**	**$ 1,915,638**
$ 78,729.74	$ 506,338.16	$ 628.11	$ 0.892	$ 2,446,578	$ 2,018,970
$ 78,729.74	**$ 506,338.16**			**$ 2,446,578**	**$ 2,018,970**
$ 197,168.44	$ 1,268,058.29	$ 772.52	$ 1.098	$ 40,171,684	$ 39,100,794
$ 197,168.44	**$ 1,268,058.29**			**$ 40,171,684**	**$ 39,100,794**
$ 28,176.54	$ 181,213.07	$ 772.52	$ 1.098	$ 671,493	$ 518,456
$ 9,717.94	$ 62,499.43	$ 628.11	$ 0.892	$ 563,916	$ 511,135
$ 405,702.50	$ 2,609,212.89	$ 860.50	$ 1.223	$ 10,826,494	$ 8,622,983
$ 73,810.41	$ 474,700.25	$ 586.35	$ 0.833	$ 2,236,296	$ 1,835,406
$ 517,407.40	**$ 3,327,625.63**			**$ 14,298,199**	**$ 11,487,981**
$ 39,560.06	$ 254,424.41	$ 772.52	$ 1.098	$ 1,358,720	$ 1,143,856
$ 39,560.06	**$ 254,424.41**			**$ 1,358,720**	**$ 1,143,856**
$ 116,643.94	$ 750,177.44	$ 336.18	$ 0.478	$ 1,393,040	$ 759,507
$ 116,643.94	**$ 750,177.44**			**$ 1,393,040**	**$ 759,507**
$ 156,204.00	**$ 1,004,601.86**			**$ 2,751,760**	**$ 1,903,362**
$ 176,890.88	$ 1,137,646.32	$ 75.41	$ 0.107	$ 1,563,012	$ 602,256
$ 176,890.88	**$ 1,137,646.32**			**$ 1,563,012**	**$ 602,256**
$ 178,454.53	$ 1,147,702.71	$ 911.06	$ 1.294	$ 11,573,262	$ 10,604,014
$ 178,454.53	**$ 1,147,702.71**			**$ 11,573,262**	**$ 10,604,014**
$ 41,690.22	$ 268,124.19	$ 976.53	$ 1.387	$ 1,509,496	$ 1,283,062
$ 41,690.22	**$ 268,124.19**			**$ 1,509,496**	**$ 1,283,062**
$ 220,144.75	**$ 1,415,826.91**			**$ 13,082,759**	**$ 11,887,077**
$ 58,065.89	$ 373,441.77	$ -	$ -	$ -	$ (315,376)
$ 58,065.89	**$ 373,441.77**				
$ 111,831.59	$ 719,227.57	$ 1,014.15	$ 1.441	$ 2,347,905	$ 1,740,509
$ 111,831.59	**$ 719,227.57**			**$ 2,347,905**	**$ 1,740,509**
$ 332.15	$ 2,136.20	$ 586.35	$ 0.833	$ 4,240	$ 2,436
$ 4,869.41	$ 31,316.84	$ 586.35	$ 0.833	$ 122,619	$ 96,172
$ 73,391.94	$ 472,008.91	$ 911.06	$ 1.294	$ 1,241,847	$ 843,230
$ 78,593.50	**$ 505,461.94**			**$ 1,368,706.69**	**$ 941,838.25**
$ 875.99	$ 5,633.78	$ 803.60	$ 1.142	$ 20,081	$ 15,324
$ 5,609.37	$ 36,075.82	$ 628.11	$ 0.892	$ 40,372	$ 9,905
$ 54,223.13	$ 348,727.70	$ 1,014.15	$ 1.441	$ 720,109	$ 425,605
$ 825.72	$ 5,310.51	$ 860.50	$ 1.223	$ 1,752	$ (2,733)
$ 687,548.97	$ 4,421,864.82	$ 772.52	$ 1.098	$ 11,610,950	$ 7,876,634
$ 40.55	$ 260.80	$ 704.58	$ 1.001	$ 370	$ 150
$ 709.37	$ 4,562.21	$ 803.60	$ 1.142	$ 653	$ (3,200)
$ 628.63	$ 4,042.93	$ 586.35	$ 0.833	$ 3,143	$ (271)
$ 2,910.45	$ 18,718.11	$ 1,014.15	$ 1.441	$ 26,366	$ 10,558
$ 753,372.19	**$ 4,845,196.67**			**$ 12,423,797**	**$ 8,331,972**
$ 58,590.99	**$ 376,818.91**	**$ -**	**$ -**	**$ -**	**$ (318,228)**

		Program Type	Maximum Avoided Cost	Net Benefits
$ 3,320,462.24	$ 21,355,039.20	Commercial	$ 118,605,445.44	$ 100,570,868.48
$ 2,415,577.31	$ 15,535,411.80	Residential & Small Commercial	$ 128,805,186.55	$ 116,000,727.95
$ 943,797.28	$ 6,069,886.18	HTR	$ 16,140,408.40	$ 11,014,319.49
$ 58,590.99	$ 376,818.91	Research and Development	$ -	$ (318,227.92)
$ 6,738,427.82	**$ 43,337,156.09**	**Total**	**$ 263,551,040.39**	**$ 227,267,688.01**

Bonus Calculation

Total Program Cost	PY 2017 Bonus	Maximum Avoided Cost	Net Benefits	Bonus
$ 36,598,728.27	$ 6,738,427.82	$ 263,551,040.39	$ 220,213,884.30	$ 22,021,388.43

Cost Effectiveness

Total Program Costs include Incentives, Administrative Costs, EM&V Expenses & Prior Year Awarded Bonus. EECRF Rate Case Expenses Excluded.

Total Program Costs	Total Avoided Costs	Net Benefits	Benefit / Cost Ratio
$ 151,710	$ 770,904	$ 619,194	5.08
$ 211,819	$ 1,575,268	$ 1,363,448	7.44
$ 2,115,393	$ 4,520,724	$ 2,405,331	2.14
$ 16,268	$ 95,092	$ 78,824	5.85
$ 4,574,284	$ 48,586,834	$ 44,012,549	10.62
$ 39,201	$ 216,619	$ 177,418	5.53
$ 1,898	$ 23,442	$ 21,545	12.35
$ 1,547	$ 12,814	$ 11,267	8.28
$ 138,327	$ 1,043,269	$ 904,942	7.54
$ 129,578	$ 1,044,474	$ 914,896	8.06
$ 63,798	$ 808,995	$ 745,198	12.68
$ 146,605	$ 1,598,684	$ 1,452,079	10.90
$ 84,777	$ 800,742	$ 715,965	9.45
$ 115,536	$ 971,670	$ 856,134	8.41
$ 463,642	$ 3,993,648	$ 3,530,005	8.61
8,254,383.9	**66,063,180.6**	**57,808,796.7**	**8.00**
$ 851,916	$ 4,171,251	$ 3,319,334	4.90
$ 124,776	$ 1,222,890	$ 1,098,114	9.80
$ 317,783	$ 1,677,160	$ 1,359,378	5.28
$ 151,730	$ 651,936	$ 500,206	4.30
$ 550,171	$ 1,635,271	$ 1,085,101	2.97
$ 49,419	$ 404,486	$ 355,067	8.18
$ 50,943	$ 498,612	$ 447,669	9.79
$ 212,586	$ 1,312,747	$ 1,100,161	6.18
$ 2,272,032	$ 15,358,208	$ 13,086,176	6.76
$ 4,581,357	**$ 26,932,562**	**$ 22,351,206**	**5.88**
$ 626,995	$ 3,162,936	$ 2,535,941	5.04
$ 51,279	$ 272,536	$ 221,257	5.31
$ 54,786	$ 203,321	$ 148,535	3.71
$ 14,482	$ 55,870	$ 41,388	3.86
$ 676,522	$ 3,357,730	$ 2,681,208	4.96
$ 127,945	$ 251,661	$ 123,717	1.97
$ 27,676	$ -	$ (27,676)	0.00
$ 16,998	$ 33,441	$ 16,443	1.97
$ 1,596,684	**$ 7,337,496**	**$ 5,740,812**	**4.60**
$ 75,933	$ 177,612	$ 101,680	2.34
$ 339,884	$ 1,862,102	$ 1,522,219	5.48
$ 100,220	$ 301,554	$ 201,335	3.01
$ 660,339	$ 2,305,820	$ 1,645,482	3.49
$ 1,176,374	**$ 4,647,089**	**$ 3,470,715**	**3.95**
$ 7,354,415	**$ 38,917,148**	**$ 31,562,733**	**5.29**
$ 4,222,884	$ 7,566,630	$ 3,343,746	1.79
$ 4,222,884	**$ 7,566,630**	**$ 3,343,746**	**1.79**
$ 1,240,368	$ 3,465,123	$ 2,224,755	2.79
$ 1,240,368	**$ 3,465,123**	**$ 2,224,755**	**2.79**
$ 174,216	$ 479,065	$ 304,849	2.75
$ 174,216	**$ 479,065**	**$ 304,849**	**2.75**
$ 74,866	$ 2,114,299	$ 2,039,433	28.24
$ 74,866	**$ 2,114,299**	**$ 2,039,433**	**28.24**
$ 6,051,057	$ 52,203,328	$ 46,152,271	8.63
$ 6,051,057	**$ 52,203,328**	**$ 46,152,271**	**8.63**
$ 107,423	$ 336,405	$ 228,982	3.13
$ 132,461	$ 1,128,703	$ 996,242	8.52
$ 475	$ 2,633	$ 2,158	5.54
$ 167,360	$ 717,369	$ 550,009	4.29
$ 16,784	$ 47,490	$ 30,706	2.83

Bonus Calculation

Total Program Costs include Incentives, Administrative Costs, EM&V Expenses, Prior Year Awarded Bonus & EECRF Rate Case Expenses

Total Program Costs	Total Avoided Costs	Net Benefits	Benefit / Cost Ratio	Bonus $
$ 151,944	$ 770,904	$ 618,961	5.07	$ 61,896
$ 212,145	$ 1,575,268	$ 1,363,123	7.43	$ 136,312
$ 2,118,644	$ 4,520,724	$ 2,402,080	2.13	$ 240,208
$ 16,293	$ 95,092	$ 78,799	5.84	$ 7,880
$ 4,581,315	$ 48,586,834	$ 44,005,519	10.61	$ 4,400,552
$ 39,261	$ 216,619	$ 177,358	5.52	$ 17,736
$ 1,901	$ 23,442	$ 21,542	12.33	$ 2,154
$ 1,549	$ 12,814	$ 11,265	8.27	$ 1,126
$ 138,540	$ 1,043,269	$ 904,729	7.53	$ 90,473
$ 129,777	$ 1,044,474	$ 914,697	8.05	$ 91,470
$ 63,896	$ 808,995	$ 745,100	12.66	$ 74,510
$ 146,831	$ 1,598,684	$ 1,451,854	10.89	$ 145,185
$ 84,907	$ 800,742	$ 715,835	9.43	$ 71,584
$ 115,714	$ 971,670	$ 855,957	8.40	$ 85,596
$ 464,355	$ 3,993,648	$ 3,529,293	8.60	$ 352,929
8,267,070.9	**66,063,180.6**	**57,796,109.7**	**7.99**	**5,779,611.0**
$ 853,323	$ 4,171,251	$ 3,317,928	4.89	$ 331,793
$ 124,982	$ 1,222,890	$ 1,097,908	9.78	$ 109,791
$ 318,307	$ 1,677,160	$ 1,358,853	5.27	$ 135,885
$ 151,981	$ 651,936	$ 499,955	4.29	$ 49,996
$ 551,079	$ 1,635,271	$ 1,084,192	2.97	$ 108,419
$ 49,501	$ 404,486	$ 354,985	8.17	$ 35,499
$ 51,027	$ 498,612	$ 447,585	9.77	$ 44,758
$ 212,937	$ 1,312,747	$ 1,099,809	6.16	$ 109,981
$ 2,275,784	$ 15,358,208	$ 13,082,424	6.75	$ 1,308,242
$ 4,588,922	**$ 26,932,562**	**$ 22,343,640**	**5.87**	**$ 2,234,364**
$ 627,989	$ 3,162,936	$ 2,534,947	5.04	$ 253,495
$ 51,360	$ 272,536	$ 221,175	5.31	$ 22,118
$ 54,873	$ 203,321	$ 148,448	3.71	$ 14,845
$ 14,505	$ 55,870	$ 41,365	3.85	$ 4,137
$ 677,595	$ 3,357,730	$ 2,680,136	4.96	$ 268,014
$ 128,148	$ 251,661	$ 123,514	1.96	$ 12,351
$ 27,720	$ -	$ (27,720)	0.00	$ (2,772)
$ 17,025	$ 33,441	$ 16,416	1.96	$ 1,642
$ 1,599,216	**$ 7,337,496**	**$ 5,738,280**	**4.59**	**$ 573,828**
$ 76,057	$ 177,612	$ 101,555	2.34	$ 10,155
$ 340,442	$ 1,862,102	$ 1,521,661	5.47	$ 152,166
$ 100,384	$ 301,554	$ 201,170	3.00	$ 20,117
$ 661,423	$ 2,305,820	$ 1,644,398	3.49	$ 164,440
$ 1,178,306	**$ 4,647,089**	**$ 3,468,783**	**3.94**	**$ 346,878**
$ 7,366,444	**$ 38,917,148**	**$ 31,550,704**	**5.28**	**$ 3,155,070**
$ 4,229,957	$ 7,566,630	$ 3,336,673	1.79	$ 333,667
$ 4,229,957	**$ 7,566,630**	**$ 3,336,673**	**1.79**	**$ 333,667**
$ 1,242,138	$ 3,465,123	$ 2,222,985	2.79	$ 222,299
$ 1,242,138	**$ 3,465,123**	**$ 2,222,985**	**2.79**	**$ 222,299**
$ 174,456	$ 479,065	$ 304,609	2.75	$ 30,461
$ 174,456	**$ 479,065**	**$ 304,609**	**2.75**	**$ 30,461**
$ 74,973	$ 2,114,299	$ 2,039,326	28.20	$ 203,933
$ 74,973	**$ 2,114,299**	**$ 2,039,326**	**28.20**	**$ 203,933**
$ 6,061,110	$ 52,203,328	$ 46,142,218	8.61	$ 4,614,222
$ 6,061,110	**$ 52,203,328**	**$ 46,142,218**	**8.61**	**$ 4,614,222**
$ 107,564	$ 336,405	$ 228,841	3.13	$ 22,884
$ 132,636	$ 1,128,703	$ 996,068	8.51	$ 99,607
$ 476	$ 2,633	$ 2,157	5.53	$ 216
$ 167,580	$ 717,369	$ 549,789	4.28	$ 54,979
$ 16,806	$ 47,490	$ 30,684	2.83	$ 3,068

$ 15,680	$ 55,267	$ 39,587	3.52
$ 440,184	**$ 2,287,867**	**$ 1,847,683**	**5.20**
$ 505,616	$ 2,446,578	$ 1,940,962	4.84
$ 505,616	**$ 2,446,578**	**$ 1,940,962**	**4.84**
$ 1,266,025	$ 40,171,684	$ 38,905,659	31.73
$ 1,266,025	**$ 40,171,684**	**$ 38,905,659**	**31.73**
$ 180,909	$ 671,493	$ 490,584	3.71
$ 62,395	$ 563,916	$ 501,522	9.04
$ 2,604,838	$ 10,826,494	$ 8,221,656	4.16
$ 473,904	$ 2,236,296	$ 1,762,392	4.72
$ 3,322,046	**$ 14,298,199**	**$ 10,976,153**	**4.30**
$ 254,038	$ 1,358,720	$ 1,104,682	5.35
$ 254,038	**$ 1,358,720**	**$ 1,104,682**	**5.35**
$ 749,038	$ 1,393,040	$ 644,002	1.86
$ 749,038	**$ 1,393,040**	**$ 644,002**	**1.86**
$ 1,003,076	**$ 2,751,760**	**$ 1,748,684**	**2.74**
$ 1,135,851	$ 1,563,012	$ 427,161	1.38
$ 1,135,851	**$ 1,563,012**	**$ 427,161**	**1.38**
$ 1,145,816	$ 11,573,262	$ 10,427,446	10.10
$ 1,145,816	**$ 11,573,262**	**$ 10,427,446**	**10.10**
$ 267,683	$ 1,509,496	$ 1,241,813	5.64
$ 267,683	**$ 1,509,496**	**$ 1,241,813**	**5.64**
$ 1,413,500	**$ 13,082,759**	**$ 11,669,259**	**9.26**
$ 372,797	$ -	$ (372,797)	0.00
$ 372,797	**$ -**	**$ (372,797)**	**0.00**
$ 718,155	$ 2,347,905	$ 1,629,750	3.27
$ 718,155	**$ 2,347,905**	**$ 1,629,750**	**3.27**
$ 2,133	$ 4,240	$ 2,107	1.99
$ 31,273	$ 122,619	$ 91,347	3.92
$ 471,342	$ 1,241,847	$ 770,505	2.63
$ 504,748.05	**$ 1,368,706.69**	**$ 863,958.64**	**2.71**
$ 5,624	$ 20,081	$ 14,457	3.57
$ 36,015	$ 40,372	$ 4,356	1.12
$ 348,144	$ 720,109	$ 371,965	2.07
$ 5,302	$ 1,752	$ (3,550)	0.33
$ 4,414,464	$ 11,610,950	$ 7,196,486	2.63
$ 260	$ 370	$ 110	1.42
$ 4,555	$ 653	$ (3,901)	0.14
$ 4,036	$ 3,143	$ (893)	0.78
$ 18,687	$ 26,366	$ 7,679	1.41
$ 4,837,087	**$ 12,423,797**	**$ 7,586,710**	**2.57**
$ 376,819	**$ -**	**$ (376,819)**	**0.00**

$ 21,321,132.42	$ 118,605,445.44	$ 97,284,313.03	5.56
$ 15,510,151.50	$ 128,805,186.55	$ 113,295,035.05	8.30
$ 6,059,990.30	$ 16,140,408.40	$ 10,080,418.10	2.66
$ 376,818.91	$ -	$ (376,818.91)	0.00
$ 43,268,093.12	**$ 263,551,040.39**	**$ 220,282,947.27**	**6.09**

$ 15,701	$ 55,267	$ 39,566	3.52	$ 3,957
$ 440,763	**$ 2,287,867**	**$ 1,847,104**	**5.19**	**$ 184,710**
$ 506,338	$ 2,446,578	$ 1,940,240	4.83	$ 194,024
$ 506,338	**$ 2,446,578**	**$ 1,940,240**	**4.83**	**$ 194,024**
$ 1,268,058	$ 40,171,684	$ 38,903,625	31.68	$ 3,890,363
$ 1,268,058	**$ 40,171,684**	**$ 38,903,625**	**31.68**	**$ 3,890,363**
$ 181,213	$ 671,493	$ 490,280	3.71	$ 49,028
$ 62,499	$ 563,916	$ 501,417	9.02	$ 50,142
$ 2,609,213	$ 10,826,494	$ 8,217,281	4.15	$ 821,728
$ 474,700	$ 2,236,296	$ 1,761,596	4.71	$ 176,160
$ 3,327,626	**$ 14,298,199**	**$ 10,970,573**	**4.30**	**$ 1,097,057**
$ 254,424	$ 1,358,720	$ 1,104,295	5.34	$ 110,430
$ 254,424	**$ 1,358,720**	**$ 1,104,295**	**5.34**	**$ 110,430**
$ 750,177	$ 1,393,040	$ 642,863	1.86	$ 64,286
$ 750,177	**$ 1,393,040**	**$ 642,863**	**1.86**	**$ 64,286**
$ 1,004,602	**$ 2,751,760**	**$ 1,747,158**	**2.74**	**$ 174,716**
$ 1,137,646	$ 1,563,012	$ 425,365	1.37	$ 42,537
$ 1,137,646	**$ 1,563,012**	**$ 425,365**	**1.37**	**$ 42,537**
$ 1,147,703	$ 11,573,262	$ 10,425,560	10.08	$ 1,042,556
$ 1,147,703	**$ 11,573,262**	**$ 10,425,560**	**10.08**	**$ 1,042,556**
$ 268,124	$ 1,509,496	$ 1,241,372	5.63	$ 124,137
$ 268,124	**$ 1,509,496**	**$ 1,241,372**	**5.63**	**$ 124,137**
$ 1,415,827	**$ 13,082,759**	**$ 11,666,932**	**9.24**	**$ 1,166,693**
$ 373,442	$ -	$ (373,442)	0.00	$ (37,344)
$ 373,442	**$ -**	**$ (373,442)**	**0.00**	**$ (37,344)**
$ 719,228	$ 2,347,905	$ 1,628,677	3.26	$ 162,868
$ 719,228	**$ 2,347,905**	**$ 1,628,677**	**3.26**	**$ 162,868**
$ 2,136	$ 4,240	$ 2,104	1.98	$ 210
$ 31,317	$ 122,619	$ 91,303	3.92	$ 9,130
$ 472,009	$ 1,241,847	$ 769,838	2.63	$ 76,984
$ 505,461.94	**$ 1,368,706.69**	**$ 863,244.75**	**2.71**	**$ 86,324.48**
$ 5,634	$ 20,081	$ 14,448	3.56	$ 1,445
$ 36,076	$ 40,372	$ 4,296	1.12	$ 430
$ 348,728	$ 720,109	$ 371,382	2.06	$ 37,138
$ 5,311	$ 1,752	$ (3,558)	0.33	$ (356)
$ 4,421,865	$ 11,610,950	$ 7,189,085	2.63	$ 718,909
$ 261	$ 370	$ 109	1.42	$ 11
$ 4,562	$ 653	$ (3,909)	0.14	$ (391)
$ 4,043	$ 3,143	$ (899)	0.78	$ (90)
$ 18,718	$ 26,366	$ 7,648	1.41	$ 765
$ 4,845,197	**$ 12,423,797**	**$ 7,578,600**	**2.56**	**$ 757,860**
$ 376,819	**$ -**	**$ (376,819)**	**0.00**	**$ (37,682)**

$ 21,355,039.20	$ 118,605,445.44	$ 97,250,406.24	5.55	$ 9,725,040.62
$ 15,535,411.80	$ 128,805,186.55	$ 113,269,774.75	8.29	$ 11,326,977.48
$ 6,069,886.18	$ 16,140,408.40	$ 10,070,522.21	2.66	$ 1,007,052.22
$ 376,818.91	$ -	$ (376,818.91)	0.00	$ (37,681.89)
$ 43,337,156.09	**$ 263,551,040.39**	**$ 220,213,884.30**	**6.08**	**$ 22,021,388.43**

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 52194
SOAH DOCKET NO. 473-21-2530

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-04

QUESTION:

Refer to Exhibit SAR-1, Table 5 Regarding the residential smart thermostat program, please explain the basis for expecting a 72% increase in energy savings, from 3,800,000 kWh in 2021 to 6,556,000 kWh in 2022, with only an 11% increase in the incentive budget.

ANSWER:

CenterPoint Houston intends to grow participation in the Smart Thermostat program while also reducing the incentive costs associated with the third-party vendor implementation. By significantly lowering the overall incentive cost-per unit, the Company expects to achieve substantial increases in energy savings with minimal impact to the program budget

SPONSOR (PREPARER):
Shea Richardson

RESPONSIVE DOCUMENTS:
None

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 52194
SOAH DOCKET NO. 473-21-2530

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-05

QUESTION:

Refer to Exhibit SAR-1, Table 6. Please provide a breakdown of the admin expenses of $3,815,289 and R&D expenses of $500,000 in 2022.

ANSWER:

A breakdown of CenterPoint Energy's program year 2022 administrative expense budget is provided below:

2022 Administrative Expense Budget	
Labor	$2,494,006
Outside Consulting Expense	$1,115,172
Sponsorships	$17,400
Expenses	$32,670
Marketing/Promotion	$45,000
Shared Services/IT Costs	$81,557
Miscellaneous Equipment and Services	$29,484
Total	**$3,815,289**

CenterPoint Energy does not have a detailed breakdown of the $500,000 R&D budget requested for 2022, but the Company plans to utilize these funds to evaluate new technologies and potential energy efficiency measures that could be incorporated into new or existing programs

SPONSOR (PREPARER):
Shea Richardson

RESPONSIVE DOCUMENTS:
None

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 52194
SOAH DOCKET NO. 473-21-2530

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-06

QUESTION:

Refer to Exhibit JRD-2, Schedule G:

a. Please provide the billing determinants by month by rate class for the period April 2020 through February 2021.

b Please explain how CenterPoint forecasts reductions due to the program opt-outs of commercial customers and provide the opt-out billing determinants by month by rate class.

ANSWER:

The information presented in Exhibit JRD-2, Schedule G was provided from the Summary for Rates tab in JRDWP2 - Confidential EECRF Billing Determinants 2021 (2022-25)xlsx.

a The billing determinants by month by rate class for the period April 2020 through February 2021 are shown in Rows 6 through Rows 49 in the Summary for Rates tab. We also attached a PDF and Excel version of Schedule G

b As shown in the Summary for Rates tab (Rows 52 through 107), the Company subtracted the EECRF Opt-outs kWhs from the actual and forecasted kWhs for the different commercial customer rate classes and presented the difference in Rows 11 through 49 The forecasted information is provided in the Source Forecast tab and the EECRF Opt-out information is provided in the EECRF_OPT_OUT_KWH tab

SPONSOR (PREPARER):
John Durland

RESPONSIVE DOCUMENTS:
GCCC01-06 - Schedule G.pdf
GCCC01-06 - Schedule G.xlsx

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Rider EECRF Billing Determinants

Actuals through February 2021 Forecast for remainder of 2021 and through February 2023 From the 2021-25 Business Plan

Rate Class	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Residential Service	2,040,393,796	1,650,931,446	1,744,748,970	2,060,535,035	2,335,086,844	3,297,177,916	3,995,583,879	3,779,008,680
Secondary Service Less Than or Equal to 10 kVA	85,044,034	70,252,869	72,722,303	71,020,581	68,214,345	75,902,350	88,041,336	79,559,741
Secondary Service Greater Than 10 kVA	2,585,976,590	2,183,508,280	2,360,607,694	2,205,287,691	2,144,831,010	2,655,463,881	3,075,767,400	2,813,019,753
Primary Service	367,350,841	301,918,572	344,047,374	325,872,259	285,578,964	354,500,852	370,090,847	347,238,039
Transmission Non-Profit/Governmental	65,808,941	65,866,418	63,317,109	71,790,690	72,463,755	74,877,275	72,171,236	73,238,695
Transmission Service	2,275,618,761	2,440,940,732	2,248,140,880	1,885,618,557	1,653,909,278	2,459,785,259	2,403,351,358	1,989,526,865
Lighting Services	19,777,615	19,499,159	19,767,324	19,394,853	19,248,432	19,618,176	19,481,321	19,319,649
Total	7,439,970,578	6,732,917,475	6,853,351,654	6,639,519,667	6,579,332,627	8,937,325,710	10,024,487,376	9,100,911,422

* Billing Determinants include the reduction in energy demand of 42 commercial customers that qualified under the opt-out provision in the amended energy efficiency rules

CENTERPOINT ENFRGY HOUSTON ELECTRIC, LLC   Schedule G Page 1
Rider EECRF Billing Determinants

								Forecast	Forecast
Rate Class	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
Residential Service	3,833,525,046	2,698,462,024	1,827,637,257	2,065,499,792	2,052,091,577	1,859,227,046	1,756,622,054	1,939,388,962	2,722,173,994
Secondary Service Less Than or Equal to 10 kVA	81,907,851	77,635,579	64,941,843	77,576,483	79,929,040	73,624,181	80,470,344	77,484,352	80,510,779
Secondary Service Greater Than 10 kVA	2,911,868,703	2,631,355,918	2,039,608,943	2,386,688,330	2,432,774,474	2,263,831,898	2,375,327,342	2,428,048,443	2,560,833,530
Primary Service	352,218,134	359,078,569	271,692,548	337,446,949	309,258,885	304,725,426	316,797,237	328,441,400	346,700,159
Transmission Non-Profit/Governmental	72,569,859	70,210,030	71,644,157	71,041,834	65,808,941	65,866,418	62,629,366	72,567,190	71,987,990
Transmission Service	2,079,867,074	2,735,800,654	2,206,143,328	2,990,517,218	1,682,438,721	1,844,847,908	1,940,625,877	1,960,487,991	1,955,954,421
Lighting Services	19,417,376	20,426,025	17,938,927	19,163,638	19,727,243	19,724,078	20,192,631	20,206,062	20,217,388
Total	9,351,374,043	8,592,968,799	6,499,607,003	7,947,934,244	6,642,028,881	6,431,846,954	6,552,664,852	6,826,624,400	7,758,378,262

* Billing Determinants include the reduction in energy demar

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
Rider EECRF Billing Determinants

Schedule G Page 2

Rate Class	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	Forecast Jan-22	Forecast Feb-22
Residential Service	3,586,134,806	3,970,158,939	3,935,196,721	2,969,899,798	2,286,853,018	1,715,003,290	2,085,663,592	2,084,938,311	1,741,783,015
Secondary Service Less Than or Equal to 10 kVA	82,249,165	90,151,694	92,546,348	89,603,190	92,670,127	88,138,334	85,464,652	84,812,881	77,088,913
Secondary Service Greater Than 10 kVA	2,680,144,931	3,151,755,831	3,210,916,398	3,012,963,215	2,787,948,002	2,488,714,151	2,559,239,486	2,443,123,144	2,272,315,396
Primary Service	364,051,524	376,196,672	377,479,553	366,504,008	342,448,095	316,937,138	315,589,758	301,999,376	296,269,045
Transmission Non-Profit/Governmental	74,296,237	71,527,997	72,580,663	73,365,936	70,164,967	71,803,402	72,256,654	68,670,103	68,031,068
Transmission Service	1,943,884,646	1,985,046,097	1,908,263,112	1,882,341,330	1,917,873,222	1,838,279,934	1,756,557,716	1,712,485,070	1,868,306,877
Lighting Services	20,231,623	20,295,382	20,240,771	20,452,929	20,618,005	20,263,214	21,140,807	20,039,514	20,038,873
Total	8,750,992,932	9,665,132,612	9,617,223,565	8,415,130,405	7,518,575,436	6,539,139,463	6,895,912,666	6,716,068,398	6,343,833,186

* Billing Determinants include the reduction in energy demar

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

Rider EECRF Billing Determinants

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	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Rate Class	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
Residential Service	1,776,021,021	1,958,564,561	2,749,574,326	3,624,169,291	4,012,086,962	3,975,394,087	2,997,544,648	2,305,023,224	1,727,988,203
Secondary Service Less Than or Equal to 10 kVA	83,156,274	79,041,525	82,139,520	83,937,105	92,023,026	94,488,841	91,515,594	94,672,485	89,945,329
Secondary Service Greater Than 10 kVA	2,385,122,327	2,437,471,818	2,573,135,794	2,697,364,980	3,175,136,299	3,235,359,127	3,034,215,239	2,806,168,097	2,508,065,004
Primary Service	311,752,786	324,016,068	342,091,343	359,466,273	372,000,222	373,724,383	362,918,864	338,516,837	313,215,607
Transmission Non-Profit/Governmental	64,198,605	74,525,857	73,856,079	76,422,026	73,926,279	75,281,842	75,846,594	71,370,534	73,042,371
Transmission Service	1,959,819,357	1,980,312,323	1,975,304,872	1,962,696,291	1,985,046,097	1,908,263,112	1,882,341,330	1,917,873,222	1,838,279,934
Lighting Services	20,517,860	20,533,355	20,546,794	20,563,480	20,631,228	20,577,479	20,794,312	20,963,613	20,603,986
Total	6,600,588,231	6,874,465,507	7,816,648,728	8,824,619,446	9,730,850,112	9,683,088,870	8,465,176,581	7,554,588,011	6,571,140,434

* Billing Determinants include the reduction in energy demar

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

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Rider EECRF Billing Determinants

Rate Class	Forecast Dec-22	Forecast Jan-23	Forecast Feb-23	Total	
Residential Service	2,102,935,748	2,105,880,511	1,759,238,468	31,094,421,049	KWH
Secondary Service Less Than or Equal to 10 kVA	87,196,722	86,039,721	78,195,065	1,042,351,207	KWH
Secondary Service Greater Than 10 kVA	2,582,114,539	2,464,388,056	2,290,712,986	32,189,254,266	KWH
Primary Service	311,963,603	298,668,216	292,888,086	4,001,222,289	KWH
Transmission Non-Profit/Governmental	73,828,641	68,670,103	68,031,068	869,000,000	KWH
Transmission Service	1,756,557,716	1,712,485,070	1,868,306,877	22,747,286,201	KWH
Lighting Services	21,497,558	20,381,046	20,381,838	247,992,548	KWH
Total	6,936,094,528	6,756,512,724	6,377,754,389	92,191,527,561	

* Billing Determinants include the reduction in energy demar

CERTIFICATE OF SERVICE

I hereby certify that I hereby certify that on this 6th day of July 2021, a true and correct copy of the foregoing document was served upon all parties of record by email pursuant to Order Suspending Rules - PUC Docket No. 50664.