

Control Number: 49421



Item Number: 465

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2019 JUN 10 AM 10:52
Public Utility Commission
Houston, Texas

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

**APPLICATION OF CENTERPOINT § PUBLIC UTILITY COMMISSION
ENERGY HOUSTON ELECTRIC, LLC §
FOR AUTHORITY TO CHANGE RATES § OF TEXAS**

**WORKPAPERS TO THE
DIRECT TESTIMONY
OF
SCOTT NORWOOD**

**ON BEHALF OF
CITY OF HOUSTON
AND HOUSTON COALITION OF CITIES**

JUNE 7, 2019

465

Exhibit SN-2

CEHE Historical SAIDI Performance (Average Outage Minutes per Customer per Year)

	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Major Event	9.32	51.06	32.36	14.2	0.23	59.65	63.46	312.17	4.85
Forced Interruptions	81.67	94.36	102.54	92.59	85.71	154.61	119.81	102.73	116.46
Scheduled Interruptions	15.24	18.6	17.92	29.09	32.04	36.8	34.12	36.84	50.05
Outside Causes	4.49	5.76	4.3	4.57	2.5	8.22	8.45	2.62	7.23
Outside Causes - Substation	4.48	3.92	4.3	4.54	2.39	7.72	8.28	2.2	4.25
Outside Causes - Transmission	0	1.84	0	0.03	0.11	0.5	0.16	0.42	2.98
Total Incl Major Events	110.7	169.8	157.1	140.5	120.5	259.3	225.8	454.4	178.6
Total Excl Major Events	101.4	118.7	124.8	126.3	120.3	199.6	162.4	142.2	173.7
Total Excl Scheduled Interruptions	86.2	100.1	106.8	97.2	88.2	162.8	128.3	105.4	123.7

2010-2014 Avg:	95.7	
2015:	162.8	70.1%
2016-2018 Avg:	119.1	24.5%
	99.98%	

Source: COH 1-13

Recommended DCRF Reconciliation Adjustment and DCRF Credit Rider

Rate Class	Billing Units	Class Alloc	Proj ABCA Adjustment	Proj CE1B Rev Adj	Indirect Corp Chg Adj	Total DCRF Credit	Total DCRF Credit	
Residential	29,513,574,664	53.07%	\$7,632,396	\$9,229,859	\$382,082	\$17,244,336	\$0.000584	per kWh
Secondary <=10	928,256,194	2.11%	\$303,497	\$367,019	\$15,193	\$685,709	\$0.000739	per kWh
Secondary > 10	116,423,346	35.12%	\$5,050,125	\$6,107,118	\$252,812	\$11,410,056	\$0.098005	per billing KVA
Primary	12,059,474	1.64%	\$236,528	\$286,033	\$11,841	\$534,402	\$0.044314	per billing KVA
Transmission	26,426,924	0.14%	\$19,894	\$24,058	\$996	\$44,949	\$0.001701	per 4CP kVA
Lighting	267,155,948	7.92%	<u>\$1,138,906</u>	<u>\$1,377,279</u>	<u>\$57,014</u>	<u>\$2,573,199</u>	\$0.009632	per kWh
			\$14,381,345	\$17,391,366	\$719,938	\$32,492,649		

CEHE O&M Expense
2010 vs 2018
(\$Millions)

	<u>2010</u>	<u>2018</u>	<u>Increase</u>	<u>%Increase</u>	
Transmission O&M**	\$30.3	\$53.8	\$23.5	77.5%	
Distribution O&M	\$212.7	\$278.0	\$65.2	30.7%	
Administrative & General	<u>\$230.7</u>	<u>\$319.0</u>	<u>\$88.2</u>	<u>38.2%</u>	
Total O&M	\$473.7	\$650.7	\$177.0	37.4%	0.04669541

Source: CEHE's 2010 and 2018 FERC Form 1 filings, Pages 320-323.

**Transmission operations expense excludes ERCOT charges (Acct 565).

Trans Ops	\$14,373,038	\$25,899,103	\$11,526,065
Trans Maint	<u>\$15,907,542</u>	<u>\$27,858,451</u>	<u>\$11,950,909</u>
Total Trans O&M	\$30,280,580	\$53,757,553	\$23,476,973
Distrib Ops	\$125,176,323	\$141,615,001	\$16,438,678
Distrib Maint	<u>\$87,571,060</u>	<u>\$136,381,530</u>	<u>\$48,810,470</u>
Total Distrib O&M	\$212,747,383	\$277,996,531	\$65,249,148
A&G	34		
565	350464598		
Total O&M	824202595		
Total less 565	473737997	650,709,122	

CEHE Customer Growth
2010 vs 2018
(Number of Customers by Class)

	<u>2010</u>	<u>2018</u>	<u>Increase</u>	<u>%/Yr Incr</u>
Residential	1,864,611	2,181,689	317,078	2.1%
Commercial	265,044	299,525	34,481	1.6%
Industrial	2,043	2,038	-5	0.0%
Municipal	<u>782</u>	<u>833</u>	<u>51</u>	<u>0.8%</u>
Total Customers	2,132,480	2,484,085	351,605	2.1%
Total Sales (MWh)	76,973,115	90,408,836	13,435,721	2.2%

	<u>2010</u>	<u>2018</u>	<u>2018</u>	<u>%/Yr Incr</u>
<u>Revenue</u>				
Residential	818,820,757	1,151,972,581	333,151,824	5.1%
Commercial	487,477,153	719,306,539	231,829,386	5.9%
Industrial	200,196,209	318,417,502	118,221,293	7.4%
Municipal	<u>27,576,777</u>	<u>32,049,957</u>	<u>4,473,180</u>	<u>2.0%</u>
Total	1,534,070,896	2,221,746,579	687,675,683	5.6%

ERCOT Transmission

Charges (Acct 565)	350,464,598	791,308,238	440,843,640	15.7%
Revenues (Account 456)	<u>190,075,151</u>	<u>281,062,774</u>	<u>90,987,623</u>	<u>6.0%</u>
Net Total	160,389,447	510,245,464	349,856,017	27.3%

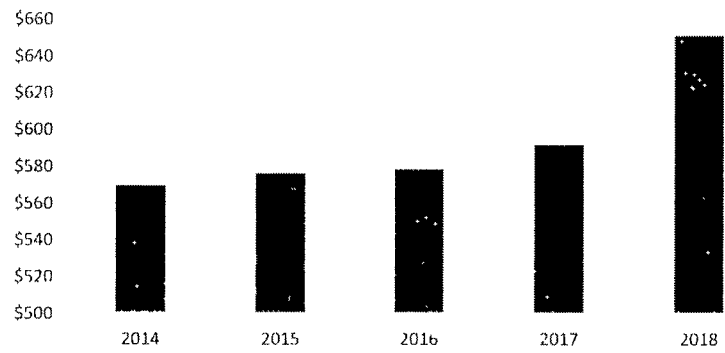
Other Revenues

Misc Service (451)	22,864,829	23,778,102	913,273	0.5%
Electric Rents (454)	29,178,641	31,985,418	2,806,777	1.2%
Other Excl ERCOT (456)	<u>-2,552,061</u>	<u>80,662,961</u>	<u>83,215,022</u>	<u>-407.6%</u>
Total Excl ERCOT	49,491,409	136,426,481	86,935,072	22.0%

2015	\$1,288.0
2016	\$1,345.3
2017	\$1,414.2
2018	\$1,442.0

	<u>Total Excl 565</u>	<u>TRANS</u>	<u>DIST</u>	<u>CUSTACCTS</u>	<u>CUSTSERV</u>	<u>A&G</u>	<u>565</u>	<u>Total</u>
2013	\$534.8	36,559,735	215,490,463	30,163,065	40,319,834	212,275,469	497,841,750	1,032,650,316
2014	\$569.2	39,850,511	233,541,219	30,132,157	40,888,003	224,780,487	665,558,750	1,234,751,127
2015	\$575.9	39,538,509	229,590,690	35,480,023	42,889,206	228,392,544	712,144,135	1,288,035,107
2016	\$577.9	43,540,943	238,421,172	34,309,067	38,302,652	223,339,803	767,383,192	1,345,296,829
2017	\$591.2	44,492,384	243,118,643	32,354,600	35,553,484	235,643,366	823,024,537	1,414,187,014
2018	\$650.7	52,609,228	270,278,560	32,809,325	38,503,987	256,508,022	791,308,238	1,442,017,360
2014-17 Avg	\$578.5	41,855,587	236,167,931	33,068,962	39,408,336	228,039,050	742,027,653	1,320,567,519
2018 vs 2017	\$59.5	8,116,844	27,159,917	454,725	2,950,503	20,864,656	-31,716,299	27,830,346
	1.29%	3.88%	1.37%	2.46%	-4.35%	1.61%	-4.3%	2.1%
\$72.2	\$606.4	45,637,284	249,374,689	33,187,164	36,468,363	241,707,055		
12.5%	-\$44.3	-\$6.97	-\$20.90	\$0.38	-\$2.04	-\$14.80		0.120689655
78.6%	2.57%	10.07%						
	-\$44.3							
	\$15.2							

CEHE O&M Excluding Acct 565
(\$Millions)



CEHE O&M Expense
2014-17 Average vs 2018 Request
(\$Millions)

<u>FERC Acct</u>	<u>Description</u>	<u>2014-17 Avg</u>	<u>2018 Request</u>	<u>Increase</u>	<u>%Increase</u>
560	Trans. Operation Super. & Engin.	#VALUE!	\$13.3	#####	#VALUE!
570	Trans. Maint. of Station Equipment	\$7.2	\$10.8	\$3.6	50.0%
580	Distr. Operation Super. & Engin.	\$44.1	\$54.2	\$10.1	23.0%
588	Misc. Distribution Expenses	\$29.9	\$36.2	\$6.3	21.0%
593	Distr. Maint. of Overhead Lines-Primary	\$72.7	\$85.3	\$12.5	17.3%
594	Distr. Maint. of Underground Lines-Primary	\$9.3	\$13.2	\$3.9	41.9%
930.2	Miscellaneous General Expense	<u>\$129.4</u>	<u>\$146.2</u>	<u>\$16.8</u>	<u>13.0%</u>
	Subtotal	#VALUE!	\$359.2	#####	#VALUE!

Source: CEHE's 2010 and 2018 FERC Form 1 filings, Pages 320-323.

#VALUE!

560	Trans. Operation Super. & Engin.	c	13,296,229
570	Trans. Maint. of Station Equipment	7,221,937	10,834,083
580	Distr. Operation Super. & Engin.	44,068,112	54,186,966
588	Misc. Distribution Expenses	29,898,577	36,163,624
593	Distr. Maint. of Overhead Lines-Primary	72,724,763	85,273,307
594	Distr. Maint. of Underground Lines-Primary	9,314,286	13,218,088
930.2	Miscellaneous General Expense	129,432,496	146,211,563

CEHE Plant In Service Balance
2010 vs 2018 Year End
(\$Millions)

	<u>2010</u>	<u>2018</u>	<u>Increase</u>	<u>%Increase</u>	<u>%Increase/Yr</u>
Intangible Plant	\$193.5	\$294.7	\$101.2	52.3%	6.5%
Transmission Plant	\$1,591.5	\$3,062.4	\$1,470.9	92.4%	11.6%
Distribution Plant	\$5,044.0	\$7,316.3	\$2,272.3	45.0%	5.6%
General Plant	\$553.9	\$1,041.0	\$487.1	87.9%	11.0%
Total	\$7,382.9	\$11,714.4	\$4,331.5	58.7%	7.3%

Source: CEHE's 2010 and 2018 FERC Form 1 filings, Pages 204-207.

Intangible Plant	\$193,504,893	\$294,739,609	\$101,234,716
Transmission Plant	\$1,591,488,751	\$3,062,363,953	\$1,470,875,202
Distribution Plant	\$5,044,006,968	\$7,316,285,078	\$2,272,278,110
General Plant	<u>\$553,875,152</u>	<u>\$1,040,985,521</u>	<u>\$487,110,369</u>
Total	\$7,382,875,764	\$11,714,374,161	\$4,331,498,397

CEHE O&M EXPENSE - 2015-2018

Source: SAP Data

		2018			2018 Adj		2018 v 2014-17 Avg		2018 v 2015-17 Avg		2014-17 Avg		2014-17 Incr/Year		2017		2016		2015		
FERC Account	Description	Total Company	Non-Regulated or Non-Electric	Known and Measurable Changes	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	
Transmission Expense																					
Operation																					
5600	Operation Super & Engin	13,074,035	-	222,194	13,296,229	#VALUE!	#VALUE!	c			11.51%	11,123,808	9,732,935	8,685,907							
5610	Load Dispatching	-	-	-	-	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!										
5611	Load Dispatching	46,968	-	1,220	48,188		5,106	11.9%	43,082	44.25%		56,081	53,080	39,071							
5612	Load Dispatching	5,073,057	-	60,516	5,133,573		674,320	15.1%	4,459,253	0.70%		4,483,722	4,685,642	4,276,140							
5613	Load Dispatching	348,992	-	3,387	352,379		78,526	28.7%	273,852	-1.47%		275,605	324,199	207,320							
5614	Scheduling, Control, and Dispatching S	885,002	-	13,710	898,712		138,059	18.2%	760,653	1.89%		771,263	829,111	705,999							
5615	Reliability, Planning, and Standards	1,016,528	-	46,314	1,062,842		319,297	42.9%	743,545	1.65%		787,023	735,124	702,117							
5617	General Studies	166,219	-	15,180	181,399		78,254	75.9%	103,144	5.52%		119,218	102,548	88,542							
5620	Station Equipment	186,406	-	60,962	247,367		151,705	158.6%	95,662	5.04%		93,857	101,852	105,403							
5630	Overhead Line Expense	841,750	-	44,854	886,604		62,293	7.6%	824,311	1.25%		843,725	769,602	870,501							
5640	Underground Line Expense	(2,095)	-	1,705	(299)		608	-67.0%	-908	#DIV/0!		-2,792	-839	0							
5650	Transmission of Electricity by Others	791,308,238	-	(244,701,866)	546,606,372		(195,421,281)	-26.3%	742,027,653	7.89%		823,024,537	767,383,192	712,144,135							
5660	Misc Transmission Expense	3,547,966	-	146,484	3,694,450		418,925	12.8%	3,275,525	4.03%		3,442,889	3,265,699	3,121,580							
5670	Rents	97,659	-	-	97,659		40,280	70.2%	57,379	211.56%		139,164	55,565	15,844							
Subtotal Transm Ops		816,590,815	-	(244,085,341)	572,505,475		(189,610,573)	-24.9%	762,116,048	7.85%		845,158,101	788,037,801	731,162,560							
Transm Ops Excl 565		25,282,577	-	616,525	25,899,103		5,810,708	28.9%	20,088,394	6.45%		22,133,564	20,654,609	19,018,425							
Maintenance																					
5680	Maintenance Super & Engin	-	-	-	-		-														
5690	Maint of Structures	739,276	-	105,705	844,981		329,882	64.0%	515,099	6.96%		568,646	561,041	415,610							
5700	Maint of Station Equipment	10,515,844	-	318,400	10,834,083		3,612,146	50.0%	7,221,937	0.63%		7,818,474	7,229,216	6,618,122							
5710	Maint of Overhead Lines	15,561,151	-	103,263	15,664,416		1,946,800	14.2%	13,717,616	2.18%		13,523,550	14,630,657	12,998,642							
5720	Maint of Underground Lines	(2,005)	-	1,705	(299)		911	-75.3%	(2,210)	#DIV/0!		-2,792	-839	0							
5730	Maint of Misc Trans Plant	512,543	-	2,727	515,269		46,965	10.0%	468,304	-1.14%		450,943	466,259	487,711							
Subtotal Transm Maint		27,326,651	-	531,800	27,858,451		5,936,705	27.1%	21,921,746	1.65%		22,358,820	22,886,334	20,520,084							
TOTAL TRANSMISSION EXPENSE		843,917,466	-	(243,553,541)	600,363,925		(209,677,308)	-25.9%	810,041,233	7.66%		867,516,921	810,924,135	751,682,644							
Total Excluding 565		52,609,228	-	1,148,325	53,757,553		11,233,608	26.4%	42,523,945	3.88%		44,492,384	43,540,943	39,538,509							
Distribution Expense																					
Operation																					
5800	Operation Super & Engin	53,346,252	-	840,714	54,186,966	10,118,854		23.0%	44,068,112	7.18%		49,265,120,02	44,372,198,34	38,567,018,64							
5810	Load Dispatching	3,327,992	-	59,943	3,387,936	(458)		0.0%	3,388,394	-7.40%		3,062,676,00	3,586,886,05	3,515,619,46							
5820	Station Expense	920,963	-	230,653	1,151,616	(449,573)		-28.1%	1,601,189	6.55%		1,615,082,21	1,592,706,31	1,595,777,74							
5830	Overhead Line Expense -Primary	3,407,158	-	341,455	3,748,613	945,767		33.7%	2,802,847	-1.48%		2,655,108,01	2,697,926,11	3,055,505,47							
5840	Underground Line Expense	8,155,800	-	283,059	8,438,859	1,411,352		20.1%	7,027,507	21.34%		7,469,641,26	6,725,125,47	6,887,753,70							
5850	Street Lights	47,856	-	7,418	55,274	(11,386)		-17.1%	66,660	-17.98%		54,174,25	57,070,27	88,735,82							
5860	Meter Expenses	27,262,431	-	4,052,566	31,314,997	3,849,657		14.0%	27,465,340	-7.02%		22,934,630,86	29,102,463,48	30,358,924,47							
5870	Customer Installation Expense	2,920,140	-	121,755	3,041,895	264,897		9.5%	2,776,998	1.05%		2,750,679,79	2,661,611,36	2,918,702,94							
5880	Misc Distribution Expenses	35,679,778	-	483,846	36,163,624	6,265,047		21.0%	29,898,577	3.23%		32,547,058,97	28,639,103,20	28,509,568,19							
5890	Rents	125,221	-	-	125,221	(90,491)		-41.9%	215,712	45.20%		436,791,14	54,574,06	155,770,53							
Distribution-Operation-Total		135,193,592	-	6,421,410	141,615,001		22,303,667	18.7%	119,311,335	2.31%		122,790,963	119,489,665	115,653,377							

CEHE O&M EXPENSE - 2015-2018

Source: SAP Data		2018			2018 Adj		2018 v 2014-17 Avg		2018 v 2015-17 Avg		2014-17 Avg		2014-17 Incr/Year		2017		2016		2015		
FERC Account	Description	Total Company	Non-Regulated or Non-Electric	Known and Measurable Changes	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric			Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	Company Total Electric	
Maintenance																					
5900	Maintenance Super & Engin	5,521,333	-	6,199	5,527,532	22,901	0.4%	5,504,631	-2.44%	5,562,873.34	5,306,081.66	5,644,939.16									
5910	Maint of Structures	819,730	-	26,625	846,356	(248,288)	-22.7%	1,094,644	-11.57%	770,672.27	1,281,689.83	1,231,568.57									
5920	Maint of Station Equipment	12,536,159	-	427,645	12,963,804	744,583	6.1%	12,219,221	-1.65%	12,180,647.07	12,036,340.51	12,440,674.74									
5930	Maint of Overhead Lines-Primary	84,708,974	-	564,333	85,273,307	12,548,544	17.3%	72,724,763	-0.06%	75,173,398.41	74,669,760.61	68,331,128.77									
5940	Maint of Underground Lines-Primary	12,990,399	-	227,689	13,218,088	3,903,802	41.9%	9,314,286	3.46%	9,811,406.79	8,857,026.50	9,274,425.42									
5950	Maint of Line Transformers	4,970,048	-	-	4,970,048	304,893	6.5%	4,665,156	19.83%	4,668,939.05	4,653,181.08	4,673,346.48									
5960	Maint of Street Lights	3,727,377	-	44,326	3,771,703	(278,716)	-6.9%	4,050,418	-15.04%	3,296,795.94	4,086,709.19	4,767,749.78									
5970	Maint of Meters	7,758,421	-	1,705	7,760,126	973,811	14.3%	6,786,295	7.68%	6,915,606.62	6,957,888.29	6,485,789.13									
5980	Maint of Misc Dist Plant (371&372)	2,052,528	-	(1,962)	2,050,567	677,813	49.4%	1,372,753	16.95%	1,947,340.19	1,083,229.59	1,087,690.36									
5982	Maint of Misc Dist Plant - OTHER	-	-	-	-	-	#DIV/0!	-	-	-	-	-									
Distribution Maint Total		135,084,970	-	1,296,560	136,381,530	18,649,363	15.8%	117,732,167	8.43%	120,327,680	118,931,507	113,937,312									
TOTAL DISTRIBUTION EXPENSE		270,278,561	-	7,717,970	277,996,531	40,953,030	17.3%	237,043,501	1.35%	243,118,642	238,421,172	229,590,689									
9010	Supervision	-	-	-	-	(14)	-100.0%	14	-33.33%	2.49	1.28	39.68									
9020	Meter Reading Expense	1,494,852	-	4,355	1,499,207	43,446	3.0%	1,453,761	#DIV/0!	1,471,330.96	1,388,064.45	1,507,888.20									
9030	Customer Records & Collection	11,249,862	-	490,527	11,740,389	(751,748)	-2.3%	32,492,138	#DIV/0!	30,822,637.65	32,810,491.09	33,843,283.80									
9040	Uncollectible Accounts	64,611	-	523,182	587,792	487,809	487.9%	99,984	#DIV/0!	60,629.10	110,510.42	128,811.41									
9050	Misc Customer Account Exp	-	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	-	-									
9060	Customer Svc & Infor	-	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	-	-									
9070	Supervision	627,497	-	(627,497)	-	(658,963)	-100.0%	658,963	#DIV/0!	592,984.37	651,309.04	732,596.16									
9080	Customer Assistance	33,734,464	-	(30,684,324)	3,050,140	(31,971,938)	-91.3%	35,022,077	#DIV/0!	11,613,998.79	34,516,059.89	38,936,173.55									
9090	Inform & Instruct Adv Exp	3,913,591	-	260,231	4,173,822	1,063,232	34.2%	3,110,590	#DIV/0!	3,338,253.26	3,001,287.57	2,992,229.87									
9100	Misc. Cust Service & Inform	228,435	-	(221,575)	6,861	(1,387)	-16.8%	-	-	8,247.90	133,995.81	228,206.17									
9110	Supervision	-	-	-	-	-	#DIV/0!	-	-	-	-	-									
9120	Demonstrating & Selling Exp	-	-	-	-	-	#DIV/0!	-	-	-	-	-									
9130	Advertising Exp	-	-	-	-	-	#DIV/0!	-	-	-	-	-									
9160	Misc Sales Exp	-	-	-	-	-	#DIV/0!	-	-	-	-	-									
9170	Sales Expense	-	-	-	-	-	#DIV/0!	-	-	-	-	-									
930.2	Misc General Expense	145,090,563	-	1,121,000	146,211,563	16,779,067	13.0%	129,432,496	3.16%	136,418,454	127,459,611	124,419,422									
TOTAL A&G EXPENSE		71,313,312	-	(30,255,101)	41,058,210	(31,904,801)	-43.7%	72,963,011	88261.04%	67,908,085	72,611,720	78,369,229									
TOTAL O&M EXPENSE		1,185,509,339	-	(266,090,672)	919,418,667	(200,629,079)	-22.0%	818,789,636	-1.52%	1,178,543,648	1,121,957,026	1,059,642,562									
Total O&M Excluding 565		394,201,101	-	(21,388,806)	372,812,295	20,281,837	4.9%	351,523,468	9.99%	355,519,111	354,573,835	347,498,427									
Total O&M		1442017360			1442017360				4.90%	1414187014	1345296829	1288035107									
Total O&M Excl 565		650,709,122			650,709,122				1.33%	591,162,477	577,913,637	575,890,972									
										581,655,686											
										639,821,265											
										-10,887,857											

CEHE O&M EXPENSE - 2015-2018

Source: SAP Data

		2014	2010		
FERC Account	Description		Company Total		Electric
Transmission Expense					
Operation					
5600	Operation Super & Engin	8,268,931	5,358,360	7,937,869	5600
5610	Load Dispatching				5610
5611	Load Dispatching	24,095			5611
5612	Load Dispatching	4,391,507			5612
5613	Load Dispatching	288,285			5613
5614	Scheduling, Control, and Dispatching	736,237			5614
5615	Reliability, Planning, and Standards	749,917			5615
5617	General Studies	102,269			5617
5620	Station Equipment	81,536			5620
5630	Overhead Line Expense	813,327			5630
5640	Underground Line Expense	0			5640
5650	Transmission of Electricity by Others	665,558,750			5650
5660	Misc. Transmission Expense	3,071,933			5660
5670	Rents	18,942			5670
Subtotal Transm Ops		684,105,729			
Transm Ops Excl 565		18,546,979			
Maintenance					
5680	Maintenance Super & Engin				5690
5690	Maint. of Structures	470,460			5700
5700	Maint. of Station Equipment	7,673,620			5710
5710	Maint. of Overhead Lines	12,692,605			5720
5720	Maint. of Underground Lines	0			5730
5730	Maint. of Misc. Trans. Plant	466,847			
Subtotal Transm Maint		21,303,532			
TOTAL TRANSMISSION EXPENSE		705,409,261			
Total Excluding 565		39,850,511			

Distribution Expense

Operation		
5800	Operation Super & Engin	40,533,333
5810	Load Dispatching	3,936,086
5820	Station Expense	1,349,823
5830	Overhead Line Expense-Primary	2,778,475
5840	Underground Line Expense	4,554,150
5850	Street Lights	117,612
5860	Meter Expenses	29,049,835
5870	Customer Installation Expense	2,866,670
5880	Misc. Distribution Expenses	29,672,904
5890	Rents	185,390
Distribution-Operation-Total		114,844,278

CEHE O&M EXPENSE - 2015-2018

Source: SAP Data

		2014	2010
FERC Account	Description		Company Total Electric
Maintenance			
5900	Maintenance Super & Engin	6,001,489	
5910	Maint of Structures	1,180,199	
5920	Maint of Station Equipment	12,814,495	
5930	Maint of Overhead Lines-Primary	75,312,887	
5940	Maint of Underground Lines-Primary	7,642,701	
5950	Maint of Line Transformers	2,927,360	
5960	Maint of Street Lights	6,006,511	
5970	Maint of Meters	5,620,281	
5980	Maint of Misc Dist Plant (371&372)	1,291,018	
5982	Maint of Misc Dist Plant - OTHER		
	Distribution Maint Total	118,796,941	
TOTAL DISTRIBUTION EXPENSE		233,641,219	
9010	Supervision	25,637	
9020	Meter Reading Expense		
9030	Customer Records & Collection		
9040	Uncollectible Accounts		
9050	Misc Customer Account Exp		
9060	Customer Svc & Infor		
9070	Supervision		
9080	Customer Assistance		
9090	Inform & Instruct Adv Exp		
9100	Misc Cust Service & Inform		
9110	Supervision		
9120	Demonstrating & Selling Exp		
9130	Advertising Exp		
9160	Misc Sales Exp		
9170	Sales Expense		
930.2	Misc General Expense	124,598,516	
TOTAL A&G EXPENSE		25,637	
TOTAL O&M EXPENSE		1,334,751,127	
Total O&M Excluding 565		273,517,367	

Total O&M
Total O&M Excl 565

PROJECT ABCA - UNDERGROUND CABLE LIFE EXTENSION

YEAR	DCRF DOCKET#	DCRF EFF DATE	ALLOWED RETURN	COH 15-11 PROJ ABCA AMOUNT/YR	PROJ ABCA CUM AMT	PROJ ABCA NBV	PROJ ABCA RETURN	PROJ ABCA DEPREC	PROJ ABCA FIT	PROJ ABCA OtherTax	PROJ ABCA TOTAL REVRQT	PROJ ABCA DCRF REVRQT	PROJ ABCA Cum DCRF REVRQT	PROJ ABCA INTEREST RATE, %/YR	PROJ ABCA Total Refund With Interest
DEPREC RATE/YR								3.27%	32.8%	2.7%					
TOTAL PROJ COH 15-5 IN SERVICE COH 15-5				\$59,587,710 2010-2018										5.56% 5.53% 4.69% 4.48%	
2010	44572		7.56%												
2011	44572		7.56%												
2012	44572		7.56%												
2013	44572		7.56%	\$2,662,605	\$2,662,605	\$2,662,605	\$201,293	\$87,067	\$66,032	\$72,817	\$427,209				
2014	44572	Sep 1 2015	7.56%	\$13,821,869	\$16,484,474	\$16,397,407	\$1,239,644	\$539,042	\$406,652	\$448,437	\$2,633,775				
2015	45747	Sep 1 2016	7.54%	\$12,184,931	\$28,669,405	\$28,130,363	\$2,121,029	\$937,490	\$695,781	\$769,310	\$4,523,610	\$1,507,870	\$1,507,870	\$13,973	\$1,521,843
2016	47032	Sep 1 2017	7.08%	\$3,641,713	\$32,311,118	\$31,373,628	\$2,221,253	\$1,056,574	\$728,659	\$858,007	\$4,864,492	\$4,637,238	\$6,145,108	\$211,605	\$4,848,843
2017	48226	Sep 1 2018	6.96%	\$6,000,571	\$38,311,689	\$37,255,115	\$2,592,956	\$1,252,792	\$850,592	\$1,018,854	\$5,715,194	\$5,148,060	\$11,293,168	\$408,928	\$5,556,987
2018			6.96%	<u>\$2,903,545</u>	\$41,215,234	\$39,962,442	\$2,781,386	<u>\$1,347,738</u>	\$912,404	\$1,092,894	\$6,134,423	<u>\$1,905,065</u>	\$13,198,232	<u>\$548,607</u>	<u>\$2,453,672</u>
TOTAL				\$41,215,234			Accum Deprec:	<u>\$5,220,703</u>				<u>\$13,198,232</u>		<u>\$1,183,113</u> 8.96%	<u>\$14,381,345</u> \$31,772,711

PROJECT CE1B - PROACTIVE UNDERGROUND REPLACEMENT

YEAR	DCRF DOCKET#	DCRF EFF DATE	ALLOWED RETURN	COH 15-11 PROJ CE1B AMOUNT	PROJ CE1B CUM AMT	PROJ CE1B NBV	PROJ CE1B RETURN	PROJ CE1B DEPREC	PROJ CE1B FIT	PROJ CE1B Other Tax	PROJ CE1B TOTAL REVRQT	PROJ CE1B DCRF REVRQT	PROJ CE1B Cum DCRF REVRQT	PROJ CE1B INTEREST RATE, %/YR	PROJ CE1B Total Refund With Interest
DEPREC RATE/YR								3.13%	32.8%	2.7%					
TOTAL PROJ COH 15-5 IN SERVICE COH 15-5				\$57,670,886 2010-2018										5.56% 5.53% 4.69% 4.48%	
2010	44572		7.56%	\$2,529,754	\$2,529,754	\$2,529,754	\$191,249	\$79,234	\$62,737	\$69,184	\$402,404				
2011	44572		7.56%	\$2,779,396	\$5,309,150	\$5,229,916	\$395,382	\$166,287	\$129,701	\$143,028	\$834,397				
2012	44572		7.56%	\$14,084,513	\$19,393,663	\$19,227,376	\$1,453,590	\$607,424	\$476,835	\$525,831	\$3,063,680				
2013	44572		7.56%	\$3,117,023	\$22,510,686	\$21,903,262	\$1,655,887	\$705,052	\$543,196	\$599,011	\$3,503,146				
2014	44572	Sep 1 2015	7.56%	\$2,238,022	\$24,748,708	\$24,043,656	\$1,817,700	\$775,148	\$596,277	\$657,547	\$3,846,673				
2015	45747	Sep 1 2016	7.54%	\$11,062,175	\$35,810,883	\$35,035,735	\$2,641,694	\$1,121,624	\$866,580	\$958,159	\$5,588,057	\$1,862,686	\$1,862,686	\$17,261	\$1,879,947
2016	47032	Sep 1 2017	7.08%	\$4,178,108	\$39,988,991	\$38,867,367	\$2,751,810	\$1,252,486	\$902,702	\$1,062,946	\$5,969,944	\$5,715,353	\$7,578,038	\$261,036	\$5,976,389
2017	48226	Sep 1 2018	6.96%	\$4,579,940	\$44,568,931	\$43,316,445	\$3,014,825	\$1,395,933	\$988,981	\$1,184,620	\$6,584,359	\$6,174,749	\$13,752,787	\$500,208	\$6,674,957
2018			6.96%	<u>\$11,220,145</u>	\$55,789,076	\$54,393,143	<u>\$3,785,763</u>	<u>\$1,747,357</u>	<u>\$1,241,879</u>	<u>\$1,487,546</u>	<u>\$8,262,545</u>	<u>\$2,194,786</u>	\$15,947,573	<u>\$665,288</u>	<u>\$2,860,074</u>
TOTAL				\$55,789,076			Accum Deprec:	<u>\$7,850,545</u>				<u>\$15,947,573</u>		<u>\$1,443,793</u> 9.05%	<u>\$17,391,366</u>

				COH 15-6 INDIRECT CORP AMOUNT	INDIRECT CORP CUM AMT	INDIRECT CORP NBV	INDIRECT CORP RETURN	INDIRECT CORP DEPREC	INDIRECT CORP FIT	INDIRECT CORP Other Tax	INDIRECT CORP TOTAL REVRQT	INDIRECT CORP DCRF REVRQT	INDIRECT CORP Cum DCRF REVRQT	INDIRECT CORP INTEREST RATE, %/YR	INDIRECT CORP Total Refund With Interest
								3.01%	32.8%	2.7%					
														5.56% 5.53% 4.69% 4.48%	
2010	44572		7.56%												
2011	44572		7.56%												
2012	44572		7.56%												
2013	44572		7.56%												
2014	44572	Sep 1 2015	7.56%	\$398,874	\$398,874	\$398,874	\$30,155	\$12,003	\$9,892	\$10,908	\$62,959				
2015	45747	Sep 1 2016	7.54%	\$604,658	\$1,003,532	\$991,529	\$74,761	\$30,200	\$24,525	\$27,116	\$156,602	\$52,201	\$52,201	\$484	\$52,684
2016	47032	Sep 1 2017	7.08%	\$694,555	\$1,698,087	\$1,667,887	\$118,086	\$51,101	\$38,737	\$45,613	\$253,538	\$188,914	\$241,114	\$8,110	\$197,024
2017	48226	Sep 1 2018	6.96%	\$904,494	\$2,602,581	\$2,551,480	\$177,583	\$78,320	\$58,254	\$69,778	\$383,935	\$297,004	\$538,118	\$18,273	\$315,277
2018			6.96%	<u>\$0</u>	\$2,602,581	\$2,524,261	\$175,689	<u>\$78,320</u>	\$57,633	\$69,034	\$380,675	<u>\$127,978</u>	\$666,097	\$26,974	<u>\$154,953</u>
TOTAL				\$2,602,581			Accum Deprec:	<u>\$249,944</u>				<u>\$666,097</u>		<u>\$53,841</u> 8.08%	<u>\$719,938</u>

<u>Ferc Acct</u>	<u>Description</u>	<u>2010</u>	<u>2018</u>	<u>Increase</u>	<u>%Increase</u>	<u>%/Yr Incr</u>
	<u>Beginning Balance</u>					
	Intangible Plant	\$175,512,183	\$294,600,272	\$119,088,089	67.9%	8.5%
	Transmission Plant	\$1,534,792,191	\$2,726,893,648	\$1,192,101,457	77.7%	9.7%
	Distribution Plant	\$4,903,847,166	\$7,022,108,606	\$2,118,261,440	43.2%	5.4%
	General Plant	<u>\$554,317,039</u>	<u>\$973,761,310</u>	<u>\$419,444,271</u>	75.7%	9.5%
	Total	\$7,168,468,579	\$11,017,363,836	\$3,848,895,257	53.7%	6.7%
	<u>Additions</u>					
	Intangible Plant	\$25,329,552	\$22,874,077	-\$2,455,475	-9.7%	-1.2%
	Transmission Plant	\$55,706,842	\$352,730,085	\$297,023,243	533.2%	66.6%
	Distribution Plant	\$281,056,495	\$461,038,042	\$179,981,547	64.0%	8.0%
	General Plant	<u>\$29,918,930</u>	<u>\$95,159,005</u>	<u>\$65,240,075</u>	218.1%	27.3%
	Total	\$392,011,819	\$931,801,209	\$539,789,390	137.7%	17.2%
	<u>Retirements</u>					
	Intangible Plant	\$6,045,152	\$22,734,740	\$16,689,588	276.1%	34.5%
	Transmission Plant	\$7,856,254	\$16,714,172	\$8,857,918	112.7%	14.1%
	Distribution Plant	\$130,765,253	\$167,313,465	\$36,548,212	27.9%	3.5%
	General Plant	<u>\$31,601,228</u>	<u>\$28,785,277</u>	-\$2,815,951	-8.9%	-1.1%
	Total	\$176,267,887	\$235,547,654	\$59,279,767	33.6%	4.2%
	<u>Ending Balance</u>					
	Intangible Plant	\$193,504,893	\$294,739,609	\$101,234,716	52.3%	6.5%
	Transmission Plant	\$1,591,488,751	\$3,062,363,953	\$1,470,875,202	92.4%	11.6%
	Distribution Plant	\$5,044,006,968	\$7,316,285,078	\$2,272,278,110	45.0%	5.6%
	General Plant	<u>\$553,875,152</u>	<u>\$1,040,985,521</u>	<u>\$487,110,369</u>	87.9%	11.0%
	Total	\$7,382,875,764	\$11,714,374,161	\$4,331,498,397	58.7%	7.3%

<u>Description</u>	<u>2010</u>	<u>2018</u>	<u>Increase</u>	<u>%Increase</u>	<u>%/Yr Incr</u>
69kV Circuits #	46	33	-13	-28.3%	-3.5%
138kV Circuits #	226	269	43	19.0%	2.4%
345kV Circuits #	49	62	13	26.5%	3.3%
Transm Line Miles	2,800	2,751	-49	-1.8%	-0.2%
Other Line Miles	987	1,083	96	9.7%	1.2%
Transm Substations #	44	46	2	4.5%	0.6%
Distrib Substations #	189	189	0	0.0%	0.0%
Transm Substations Cap, MVA	17,493	28,022	10,529	60.2%	7.5%
Distrib Substations Cap, MVA	35,059	39,066	4,007	11.4%	1.4%
Transm Substations XFMRS #	80	90	10	12.5%	1.6%
Distrib Substations XFMRS #	529	540	11	2.1%	0.3%

<u>FERC Acct</u>	<u>Form 1, pg 336 CEHE Deprec. Rate</u>	<u>COH 15-5 PROJ ABCA</u>	<u>Deprec/Yr</u>	<u>COH 15-5 PROJ CE1B</u>	<u>Deprec/Yr</u>
358	2.46%		\$0	\$58,542	\$1,440
364	2.86%		\$0	\$1,352	\$39
365	2.74%		\$0	\$300,243	\$8,227
366	2.58%		\$0	\$10,336,540	\$266,683
367	3.27%	\$59,587,710	\$1,948,518	\$36,779,868	\$1,202,702
368	3.08%		\$0	\$6,715,220	\$206,829
373	3.46%	<u>\$0</u>	<u>\$0</u>	<u>\$3,479,121</u>	<u>\$120,378</u>
Total		\$59,587,710	\$1,948,518	\$57,670,886	\$1,806,296
			3.27%		3.13%

Total Distrib	FORM 1, pg 204 \$7,316,285,078	FORM 1, pg 336 \$220,170,907	3.01%
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Project	<u>Plant In Service</u>	<u>Accum Deprec at 12/31/18</u>	<u>Deprec/Yr</u>
ABCA	\$59,587,710	\$5,220,703	\$1,948,518
CE1B	\$57,670,886	\$7,850,545	\$1,806,296

Tax&Ret WP

	Sep 1 2015		Sep 1 2016		Sep 1 2017		Sep 1 2018	
	<u>44572</u>	<u>% of Total</u>	<u>45747</u>	<u>% of Total</u>	<u>47032</u>	<u>% of Total</u>	<u>48226</u>	<u>% of Total</u>
Depreciation	\$20,689,981	28.07%	\$45,089,798	33.67%	\$57,812,366	36.59%	\$68,347,212	46.87%
Other Taxes	\$11,392,705	15.45%	\$20,133,898	15.04%	\$21,395,054	13.54%	\$26,079,974	17.88%
Fed Incom Tax	\$10,106,335	13.71%	\$16,703,506	12.47%	\$20,086,346	12.71%	-\$15,671,970	-10.75%
Return	<u>\$31,531,766</u>	42.77%	<u>\$51,977,067</u>	38.82%	<u>\$58,690,390</u>	37.15%	<u>\$67,077,634</u>	46.00%
Total RevRqt	\$73,720,787	100.00%	\$133,904,269	100.00%	\$157,984,156	100.00%	\$145,832,850	100.00%
LongTerm Debt Rate	x`		5.53%		4.69%		4.48%	4.90%
FIT/Return Ratio	32.05%		32.14%		34.22%		-23.36%	32.80%
Rate Base (RB)	\$417,086,853		\$689,351,015		\$828,960,314		\$963,759,107	
Return/Ratebase Ratio	7.56%		7.54%		7.08%		6.96%	
Other Tax/RB Ratio	2.73%		2.92%		2.58%		2.71%	2.73%
	0.595238097		0.596816971		0.635593223			
	\$18,768,908		\$31,020,796		\$37,303,214			
	\$10,106,335		\$16,703,505		\$20,086,346			

CenterPoint Energy Houston Electric, LLC
 For the Test Year Ended December 31, 2018
 Calculation of Net Wholesale Expense

SOURCE: Matrix @3/10/2019, pending approval

Share of ERCOT TCOS Calculation:

	<u>D48928</u>	
ERCOT Postage Stamp Rate	\$ 54,567.75	A
CNP Load (KW)	<u>17,323,382.33</u>	B
CNP Retail Transmission Payment Responsibility	\$ 945,298,024	
CNP Rate	\$ 5,781.93	C
ERCOT Load (KW)	<u>69,368,963.51</u>	D
CNP Wholesale Transmission Cost Received from Matrix	<u>\$ 401,086,144</u>	
Net Payment into ERCOT Matrix - FERC 565	<u>\$ 544,211,879</u>	

	<u>CEHE 2019 Rate Case</u>	
	I \$ 54,400.63	
	B <u>17,323,382.33</u>	
	\$ 942,402,945	
	H \$ 5,705.67	
	D <u>69,368,963.51</u>	
	<u>\$ 395,796,573</u>	
	<u>\$ 546,606,372</u>	

ERCOT \$'s	\$ 3,640,213,045	E
CNP \$'s	\$ 388,968,021	F

Schedule III-A-1	G
	D <u>69,368,963.51</u>
	<u>\$ 5,705.672</u>

ERCOT \$'s	E \$ 3,640,213,045
Less CNP \$'s	F \$ (388,968,021)
Add CNP \$'s - Revised	G \$ 395,796,573
ERCOT \$'s - Revised	<u>\$ 3,647,041,597</u>

ERCOT Rate	A \$ 54,567.75
Less CNP Rate	C \$ (5,781.925)
Add CNP Rate - Revised	H \$ 5,705.672
Less Lone Star Transmission	\$ (1,459.73)
Add Lone Star Transmission	<u>\$ 1,368.86</u>
ERCOT Rate - Revised	<u>\$ 54,400.632</u>

For the Year Ended 12/31/2015

Source SAP ZF16		
FERC	FERC Account	Total
1630	Stores Exp Undist	0.00
1823	Oth Regulatory Asset	0.00
1840	Clearing Accts	0.00
1860	Misc Deferred Debits	0.00
2281	Accum Prov-Prop Int	0.00
2282	AccumProv-Inv/Damage	0.00
2320	Accounts Payable	0.00
2350	Customer Deposits	0.00
2530	Oth Deferred Credits	0.00
4030	Depreciation	307,258,309.02
4040	Amort Limt-Term Plant	(2,628,489.62)
4050	Amort Other Plant	25,805,700.13
4081	Other Taxes-Non-Inc	252,788,684.47
4091	Inc Taxes-Oper Inc	105,473,112.00
4101	Prov For Def Inc Tax	31,579,834.00
4111	Def Inc Tax-Credit	(13,131,123.00)
4171	Exp-Nonutility Oper	12,462.83
4190	Interest & Div Inc	322,956.74
4191	AFUDC Other	(11,966,616.26)
4210	Misc NonOper Income	(9,534,948.75)
4211	Gain On Disp of Prop	0.00
4261	Donations	866,039.97
4262	Life Insurance	6,757,843.99
4263	Penalties	3,960.18
4264	Expd For Civic Act	5,124,720.27
4265	Other Deductions	184,707.22
4270	Interest On L-T Debt	93,776,555.45
4280	Amort of Debt Disc	1,558,098.99
4281	Amor Loss-Renacq Debt	10,659,518.13
4300	In-Debt To Assoc Cos	1,212,095.82
4310	Other Interest Exp	18,173,224.57
4320	Borrowed AFUDC-CR	(7,997,928.60)
4390	Adj To Returned Earn	252,000,000.00
4400	Residential Sales-El	(1,101,321,484.85)
4421	Commercial sales	(654,732,119.18)
4422	Industrial sales	(294,192,207.93)
4440	St & Highway Lightn	(27,157,251.07)
4500	Forfeited Discounts	(36,326.56)
4510	Misc Service Rev	(29,001,219.32)
4540	Rent From Prop	(31,673,085.01)
4560	Other Electric Rev	(9,524,747.90)
4561	Rev-Transm of Elec of Oth	(217,579,176.38)
5600	Oper Supv & Eng	8,685,906.94
5611	LoadDispatch-Reliability	39,070.74

Rounded To
Thousands

For the Year Ended 12/31/2016

Source SAP ZF16		
FERC	FERC Account	Total
1070	Constr Work in Pro	0.00
1630	Stores Exp Undist	0.00
1810	Unamort Debt Disc	0.00
1823	Oth Regulatory Ass	0.00
1840	Clearing Accts	0.00
1860	Misc. Deferred Debt	0.00
2281	Accum Prov-Prop Int	0.00
2282	AccumProv-Inv/Dam	0.00
2320	Accounts Payable	0.00
2350	Customer Deposits	0.00
2420	Misc Curr & Acc. Li	0.00
2530	Oth Deferred Credits	0.00
4030	Depreciation	339,095,796.93
4040	Amort Limt-Term Pl	(1,687,926.23)
4050	Amort Other Plant	35,787,448.55
4081	Other Taxes-Non-Inc	258,652,416.90
4091	Inc Taxes-Oper Inc	165,709,842.00
4101	Prov For Def Inc Tax	(15,853,690.40)
4111	Def Inc Tax-Credit	(18,311,319.00)
4171	Exp-Nonutility Oper	473.70
4190	Interest & Div Inc	(590,903.70)
4191	AFUDC Other	(6,456,538.28)
4210	Misc NonOper Inc	(8,092,960.29)
4211	Gain On Disp of Prop	(835,084.07)
4261	Donations	447,715.07
4262	Life Insurance	6,009,104.26
4263	Penalties	87,029.64
4264	Expd For Civic Act	4,737,818.93
4265	Other Deductions	191,910.99
4270	Interest On L-T Debt	100,131,622.56
4280	Amort of Debt Disc	2,089,399.91
4281	Amor Loss-Renacq L	9,489,951.60
4300	In-Debt To Assoc C	3,893,294.47
4310	Other Interest Exp	15,959,210.26
4320	Borrowed AFUDC-	(5,955,295.71)
4390	Adj To Returned Ea	134,400,000.00
4400	Residential Sales-El	(1,093,200,523.46)
4421	Commercial sales	(663,009,667.15)
4422	Industrial sales	(302,248,649.81)
4440	St & Highway Light	(30,892,774.05)
4500	Forfeited Discounts	(73,167.80)
4510	Misc Service Rev	(25,861,100.21)
4540	Rent From Prop	(31,567,440.41)
4560	Other Electric Rev	(111,458,636.20)
4561	Rev-Transm of Elec	(247,286,247.24)
5600	Oper Supv & Eng	9,732,935.34
5611	LoadDispatch-Relia	53,080.42

Rounded To
Thousands

For the Year Ended 12/31/2017

Source SAP ZF16		
FERC	FERC Account	Total
1070	Constr Work in Pro	0.00
1630	Stores Exp Undist	0.00
1810	Unamort Debt Disc	0.00
1823	Oth Regulatory Ass	0.00
1840	Clearing Accts	0.00
1860	Misc Deferred Debt	0.00
2281	Accum Prov-Prop Int	0.00
2282	AccumProv-Inv/Dam	0.00
2320	Accounts Payable	0.00
2350	Customer Deposits	0.00
2420	Misc Curr & Acc L	0.00
4030	Depreciation	343,640,655.68
4040	Amort Limt-Term Pl	987,646.78
4050	Amort Other Plant	39,604,003.99
4081	Other Taxes-Non-Inc	263,541,653.31
4091	Inc Taxes-Oper Inc	70,271,682.00
4101	Prov For Def Inc Tax	(80,475,648.00)
4111	Def Inc Tax-Credit	(17,355,130.00)
4171	Exp-Nonutility Oper	11.99
4190	Interest & Div Inc	(1,907,436.67)
4191	AFUDC Other	(10,403,980.92)
4210	Misc NonOper Inco	(3,194,748.80)
4211	Gain On Disp of Pro	(4,812,393.55)
4261	Donations	1,667,787.04
4262	Life insurance	6,303,209.31
4263	Penalties	21,653.10
4264	Expd For Civic Act	6,326,165.40
4265	Other Deductions	212,814.76
4270	Interest On L-T Debt	115,134,427.68
4280	Amort of Debt Disc	2,889,668.87
4281	Amor Loss-Renacq L	8,203,882.04
4300	In-Debt To Assoc C	61,754.07
4310	Other Interest Exp	8,380,508.31
4320	Borrowed AFUDC-	(6,485,148.41)
4390	Adj To Returned Ea	180,000,000.00
4400	Residential Sales-El	(1,135,111,640.21)
4421	Commercial sales	(695,965,468.16)
4422	Industrial sales	(326,528,993.38)
4440	St & Highway Light	(31,296,261.81)
4500	Forfeited Discounts	(264,275.03)
4510	Misc Service Rev	(18,902,809.46)
4540	Rent From Prop	(28,741,360.09)
4560	Other Electric Rev	(87,760,159.00)
4561	Rev-Transm of Elec	(265,354,795.17)
5600	Oper Supv & Eng	11,123,808.45
5611	LoadDispatch-Relia	56,080.74

Rounded To
Thousands

5612	LdDspch-Mntr&OpTransvyst	4,276,139.99	4,276
5613	LdDspch-TransSrvc&Sched	207,320.35	207
5614	Schd SystCntrl&DpchlSrvc	705,999.14	706
5615	Reliably,Plng&StrndsDev	702,117.06	702
5617	GeneralIntrncnctnStudies	88,542.29	89
5620	Station Exp	105,403.42	105
5630	Overhead Line Exp	870,500.91	871
5640	Underground Line Exp	0.00	-
5650	Elec Transm-by Oth	712,144,135.03	712,144
5660	Misc Transmission Ex	3,321,580.24	3,322
5670	Rents	15,843.62	16
5690	Maint of Structures	415,609.51	416
5700	Maint of Sta Equip	6,618,121.86	6,618
5710	Maint of Ovrdh Lines	12,998,641.78	12,999
5720	Maint of Undrg Lines	0.00	-
5730	Maint of Misc Trans	487,711.31	488
5800	Oper Supv & Eng	38,567,018.64	38,567
5810	Load Dispatching	3,515,619.46	3,516
5820	Station Exp	1,595,777.74	1,596
5830	Ovrdh Line Exp	3,055,505.47	3,056
5840	Undrgr Line Exp	6,887,751.70	6,888
5850	St Light & Signal Ex	88,735.82	89
5860	Meter Exp	30,358,924.47	30,359
5870	Cust Installat Exp	2,918,702.94	2,919
5880	Misc Distrib Exp	28,509,568.19	28,510
5890	Rents	155,770.53	156
5900	Maint Supv & Eng	5,644,939.16	5,645
5910	Maint of Structures	1,231,568.57	1,232
5920	Maint of Sta Equip	12,440,674.74	12,441
5930	Maint of Ovrdh Lines	68,331,128.77	68,331
5940	Maint of Undrg Lines	9,274,425.42	9,274
5950	Maint of Line Transf	4,673,346.48	4,673
5960	Maint St Late & Sig	4,767,749.78	4,768
5970	Maint of Meters	6,485,789.13	6,486
5980	Maint of Misc Distr	1,087,690.36	1,088
9010	Supervision	39.68	-
9020	Meter Reading Exp	1,507,888.20	1,508
9030	Cust Records & Colle	33,843,283.80	33,843
9040	Uncollectible Accts	128,811.41	129
9070	Supervision	732,596.16	733
9080	Cust Assistance Exp	38,936,173.55	38,936
9090	Info & Instruc Adv	2,992,229.87	2,992
9100	Misc Cust Srv & Info	228,206.17	228
9200	Admun & Gen Salaries	580,339.85	580
9210	Office Supplies & Ex	1,900,621.77	1,901
9230	Outside Services Emp	1,025,169.94	1,025
9240	Property Insurance	8,219,822.79	8,220
9250	Injuries & Damages	20,736,429.72	20,736
9260	Empl Pensions&Ben	56,739,020.10	56,739
9280	Regulatory Comm Exp	416,053.67	416
9301	Gen Advertising Exp	317,481.00	317

5612	LdDspch-Mntr&O	4,685,641.99	4,686
5613	LdDspch-TrmsSrv	324,199.40	324
5614	Schd SystCntrl&Ds	829,110.79	829
5615	Reliably,Plng&Str	735,123.99	735
5617	GeneralIntrncnctn	102,548.37	103
5620	Station Exp	101,852.28	102
5630	Overhead Line Exp	769,691.59	770
5640	Underground Line I	(838.61)	(1)
5650	Elec Transm-by Oth	767,383,191.51	767,383
5660	Misc Transmission	3,265,699.29	3,266
5670	Rents	55,564.59	56
5690	Maint of Structures	561,041.00	561
5700	Maint of Sta Equip	7,229,215.61	7,229
5710	Maint of Ovrdh Lin	14,630,656.56	14,631
5720	Maint of Undrg Lin	(838.61)	(1)
5730	Maint of Misc Tran	466,259.16	466
5800	Oper Supv & Eng	44,372,198.34	44,372
5810	Load Dispatching	3,586,886.05	3,587
5820	Station Exp	1,592,706.31	1,593
5830	Ovrdh Line Exp	2,697,926.11	2,698
5840	Undrgr Line Exp	6,725,125.47	6,725
5850	St Light & Signal E	57,070.27	57
5860	Meter Exp	29,102,463.48	29,102
5870	Cust Installat Exp	2,661,611.46	2,662
5880	Misc Distrib Exp	28,639,103.20	28,639
5890	Rents	54,574.06	55
5900	Maint Supv & Eng	5,306,081.66	5,306
5910	Maint of Structures	1,281,689.83	1,282
5920	Maint of Sta Equip	12,036,340.51	12,036
5930	Maint of Ovrdh Line	74,669,760.61	74,670
5940	Maint of Undrg Lin	8,857,026.50	8,857
5950	Maint of Line Trans	4,653,181.08	4,653
5960	Maint St Late & Sig	4,086,709.39	4,087
5970	Maint of Meters	6,957,488.29	6,957
5980	Maint of Misc Distr	1,083,229.59	1,083
9010	Supervision	1.28	-
9020	Meter Reading Exp	1,388,064.45	1,388
9030	Cust Records & Col	32,810,491.09	32,810
9040	Uncollectible Accts	110,510.42	111
9070	Supervision	651,309.04	651
9080	Cust Assistance Exp	34,516,059.89	34,516
9090	Info & Instruc Adv	3,001,287.57	3,001
9100	Misc Cust Srv & In	133,995.81	134
9200	Admun & Gen Salari	693,857.53	694
9210	Office Supplies & I	1,791,731.17	1,792
9230	Outside Services Er	925,857.24	926
9240	Property Insurance	7,688,093.87	7,688
9250	Injuries & Damages	12,088,202.28	12,088
9260	Empl Pensions&Be	58,199,015.98	58,199
9280	Regulatory Comm f	166,881.00	167
9301	Gen Advertising Ex	608,513.83	609

5612	LdDspch-Mntr&O	4,483,721.83	4,484
5613	LdDspch-TransSrv	275,605.00	276
5614	Schd SystCntrl&Ds	771,263.43	771
5615	Reliably,Plng&Str	787,023.05	787
5617	GeneralIntrncnctn	119,218.31	119
5620	Station Exp	93,857.09	94
5630	Overhead Line Exp	843,724.82	844
5640	Underground Line I	(2,792.13)	(3)
5650	Elec Transm-by Oth	823,024,536.95	823,025
5660	Misc Transmission	3,442,889.02	3,443
5670	Rents	139,164.15	139
5690	Maint of Structures	568,645.87	569
5700	Maint of Sta Equip	7,818,473.71	7,818
5710	Maint of Ovrdh Lin	13,523,550.06	13,524
5720	Maint of Undrg Lin	(2,792.13)	(3)
5730	Maint of Misc Tran	450,942.71	451
5800	Oper Supv & Eng	49,265,120.02	49,265
5810	Load Dispatching	3,062,676.00	3,063
5820	Station Exp	1,615,082.21	1,615
5830	Ovrdh Line Exp	2,655,108.01	2,655
5840	Undrgr Line Exp	7,469,641.26	7,470
5850	St Light & Signal E	54,174.25	54
5860	Meter Exp	22,934,630.86	22,935
5870	Cust Installat Exp	2,750,679.79	2,751
5880	Misc Distrib Exp	32,547,058.97	32,547
5890	Rents	436,791.14	437
5900	Maint Supv & Eng	5,562,873.34	5,563
5910	Maint of Structures	770,672.27	771
5920	Maint of Sta Equip	12,180,647.07	12,181
5930	Maint of Ovrdh Line	75,173,398.41	75,173
5940	Maint of Undrg Lin	9,811,406.79	9,811
5950	Maint of Line Trans	4,668,939.05	4,669
5960	Maint St Late & Sig	3,296,795.94	3,297
5970	Maint of Meters	6,915,606.62	6,916
5980	Maint of Misc Distr	1,947,340.39	1,947
9010	Supervision	2.49	-
9020	Meter Reading Exp	1,471,330.96	1,471
9030	Cust Records & Co	30,822,637.65	30,823
9040	Uncollectible Accts	60,629.10	61
9070	Supervision	592,984.37	593
9080	Cust Assistance Exp	31,613,998.79	31,614
9090	Info & Instruc Adv	3,338,253.26	3,338
9100	Misc Cust Srv & In	8,247.90	8
9200	Admun & Gen Salari	661,626.99	662
9210	Office Supplies & F	1,742,135.35	1,742
9230	Outside Services Fr	1,093,482.35	1,093
9240	Property Insurance	7,393,569.31	7,394
9250	Injuries & Damages	16,950,989.26	16,951
9260	Empl Pensions&Be	56,979,390.36	56,979
9280	Regulatory Comm f	35,879.04	36
9301	Gen Advertising Ex	513,457.57	513

9302	Misc General Exps	124,506,230.71	124,506
9310	Rents	11,228,687.89	11,229
9350	Maint of Gen Plant	2,809,494.89	2,809
CLRO	Clearing Other	0.00	-
CLRP	Clearing Production Order	0.00	-
CLRS	Clearing Stores	0.00	-
CLRT	Clearing Transportation	0.00	-
H210	Land & Field Svcs	0.00	-
** Natural Account Sorted by FERC Account		(6,796,985.92)	
FERC Balance 5600 - 9350		<u>1,288,121,914.73</u>	<u>1,288,125</u>

9302	Misc General Exps	127,567,657.98	127,568
9310	Rents	11,306,121.11	11,306
9350	Maint of Gen Plant	2,411,918.33	2,412
CLRO	Clearing Other	0.00	-
CLRP	Clearing Production	0.00	-
CLRS	Clearing Stores	0.00	-
CLRT	Clearing Transportation	0.00	-
H210	Land & Field Svcs	0.00	-
M210	Square Footage	0.00	-
** Natural Account Sorted by FERC		(141,294,011.59)	
FERC Balance 5600 - 9350		<u>1,345,404,876.65</u>	<u>1,345,406</u>

9302	Misc General Exps	136,418,453.73	136,418
9310	Rents	11,338,777.62	11,339
9350	Maint of Gen Plant	2,515,603.59	2,516
CLRO	Clearing Other	0.00	-
CLRP	Clearing Production	0.00	-
CLRS	Clearing Stores	0.00	-
CLRT	Clearing Transportation	0.00	-
H210	Land & Field Svcs	0.00	-
M210	Square Footage	0.00	-
** Natural Account Sorted by FERC		(252,725,711.32)	
FERC Balance 5600 - 9350		<u>1,414,187,013.01</u>	<u>1,414,189</u>