

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 PROOF OF REVENUE STATEMENT
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: AL TROXLE

Line No.	Class	Charges	Unit	Proposed Rates		Present Rates	Unit Charge % Change	Percent With T&DRP
				\$	Unit Charge			
108	Other Nonbypassable Charges:							
109	Residential							
110	MGS-D	TC2	per kWh	81,731,864	\$ 0.002708			
111	MGS-T	TC2	per kWh	61,865,189	\$ 0.002458			
112	LGS-D	TC2	per kW	110,875	\$ 0.333714			
113	LGS-T	TC2	per Kva	29,875,598	\$ 1.069473			
114	LOS-A	TC2	per kW	184,819	\$ 1.654174			
115	LOS-B	TC2	per kW	13,305,011	\$ 0.665639			
116	SCP	TC2	per kW	5,812,934	\$ 1.130420			
117	Lighting	TC2	per kW	3,205,778	\$ 1.168457			
118	SES-D	TC2	per kWh	814,055	\$ 0.003454			
119	ISS-D	TC2	per kW	57,882	\$ 0.322740			
120	IS-30	TC2	per kW	52,920	\$ 2.285021			
121	IS-10	TC2	per kW	1,583,953	\$ 0.877407			
122	ISI	TC2	per kW	2,724,289	\$ 0.341709			
123	ISS-T	TC2	per kW	136,498	\$ 0.760345			
124	SES-T	TC2	per kW	51,842	\$ 0.825066			
125	SBI	TC2	per kW	289,144	\$ 0.329548			
126	Total	TC2	per kW	305,236	\$ 0.101098			
127								
128	Residential	TC3	per kWh	10,112,128	\$ 0.000336			
129	MGS-D	TC3	per kWh	23,907,579	\$ 0.000996			
130	MGS-T	TC3	per kW	177,089	\$ 0.212096			
131	LGS-D	TC3	per Kva	12,449,471	\$ 0.436707			
132	LGS-T	TC3	per kW	87,858	\$ 0.742032			
133	LOS-A	TC3	per kW	4,263,488	\$ 0.255119			
134	LOS-B	TC3	per kW	2,545,532	\$ 0.620570			
135	SCP	TC3	per kW	1,127,737	\$ 0.385830			
136	Lighting	TC3	per kWh	121,415	\$ 0.000521			
137	SES-D	TC3	per kW	11,149	\$ 0.058808			
138	ISS-D	TC3	per kW	(5,244)	\$ (0.182742)			
139	IS-30	TC3	per kW	(21,982)	\$ (0.008782)			
140	IS-10	TC3	per kW	181,499	\$ 0.020007			
141	ISI	TC3	per kW	(19,022)	\$ (0.018118)			
142	ISS-T	TC3	per kW	14,495	\$ 0.220475			
143	SES-T	TC3	per kW	161,433	\$ 0.179316			
144	SBI	TC3	per kW	10,432	\$ 0.005059			
145	Total	TC3	per kW	55,105,153				
146								
147	Residential	TC5	per kWh	58,729,621	\$ 0.001946			
148	MGS-D	TC5	per kWh	45,129,055	\$ 0.001793			
149	MGS-T	TC5	per kW	257,628	\$ 0.778808			
150	LGS-D	TC5	per Kva	22,726,496	\$ 0.819036			
151	LGS-T	TC5	per kW	93,594	\$ 0.838592			
152	LOS-A	TC5	per kW	8,700,807	\$ 0.435229			
153	LOS-B	TC5	per kW	3,618,207	\$ 0.703625			
154	SCP	TC5	per kW	2,000,145	\$ 0.729023			
155	Lighting	TC5	per kWh	651,789	\$ 0.002708			
156	SES-D	TC5	per kW	33,343	\$ 0.186661			
157	ISS-D	TC5	per kW	26,909	\$ 1.151711			
158	IS-30	TC5	per kW	802,641	\$ 0.343265			
159	IS-10	TC5	per kW	1,408,548	\$ 0.175954			
160	ISI	TC5	per kW	83,334	\$ 0.458098			
161	ISS-T	TC5	per kW	37,364	\$ 0.594155			
162	SES-T	TC5	per kW	173,198	\$ 0.220775			
163	SBI	TC5	per kW	143,807	\$ 0.047630			
164	Total	TC5	per kW	144,816,451				
165								
166	TOTAL			2,738,558,082				

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 RATE DESIGN SUMMARY
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	Class	Rate Charges	
		Charges	Recommendation
1	Residential	Customer	\$ 2.46 per Meter per Month
2		Metering	\$ 2.07 per Meter per Month
3		Transmission	\$ 0.015070 per kWh
4		Distribution	\$ 0.022650 per kWh
5	Secondary <=10 Kva	Customer	\$ 2.43 per Meter per Month
6		Metering	\$ 2.33 per Meter per Month
7		Transmission	\$ 0.009010 per kWh
8		Distribution	\$ 0.015490 per kWh
9	Secondary > 10 Kva	Customer	
10		NON-IDR	\$ 3.20 per Meter per Month
11		IDR	\$ 47.99 per Meter per Month
12		Metering	
13		NON-IDR	\$ 7.65 per Meter per Month
14		IDR	\$ 79.90 per Meter per Month
15		Transmission	
16		NON-IDR	\$ 2.711690 per NCP Kva
17	IDR	\$ 4.049600 per 4CP Kva	
18	Distribution	\$ 4.831300 per Billing Kva	
19	Primary	Customer	
20		NON-IDR	\$ 4.80 per Meter per Month
21		IDR	\$ 60.85 per Meter per Month
22		Metering	
23		NON-IDR	\$ 287.29 per Meter per Month
24		IDR	\$ 198.71 per Meter per Month
25		Transmission	
26		NON-IDR	\$ 2.733530 per NCP Kva
27	IDR	\$ 3.937090 per 4CP Kva	
28	Distribution	\$ 2.523170 per Billing Kva	
29	Transmission	Customer	\$ 221.58 per Meter per Month
30		Metering	\$ 1,456.99 per Meter per Month
31		Transmission	\$ 4.716210 per 4CP Kva
32		Distribution	\$ 0.594950 per Billing Kva

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
IV-J-7 RESIDENTIAL
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TROXLE

Line No.	CLASS BILLING STATISTICS	ESTIMATED BILLING UNITS
1	Number of Annual Bills	26,378,700
2	Annual kWh	29,154,975,651

CALCULATION OF UNIT CHARGES USING ESTIMATED BILLING UNITS						
FUNCTION	POINT OF DELIVERY (POD) CHARGE		FACILITIES CHARGE (PER kWh)		FACILITIES CHARGE (PER Kva)	
	\$	\$/Cust.	\$	\$/kWh	\$	\$/Kva
1. Transmission (TRAN)			439,375,828	0.01507		
2. Distribution (DIST)			660,367,843	0.02265		
3. Transmission & Distribution Utility Metering System Services (MET)	54,612,150	2.07				
4. Transmission & Distribution Utility Billing System Services (TD-BILL)		0.00				
5. Additional Billing Services (A-BILL)		0.00				
6. Transmission & Distribution Utility Customer Service (TDCS)	64,889,935	2.46				
TOTAL	119,502,085	4.53	1,099,743,671	0.03772		

FUNCTION SUMMARY	\$
1. Transmission (TRAN)	439,375,828
2. Distribution (DIST)	660,367,843
3. Transmission & Distribution Utility Metering System Services (MET)	54,612,150
4. Transmission & Distribution Utility Billing System Services (TD-BILL)	
5. Additional Billing Services (A-BILL)	
6. Transmission & Distribution Utility Customer Service (TDCS)	64,889,935
TOTAL	1,219,245,756

PROPOSED CHARGES		
DESCRIPTION	UNIT CHARGE	TOTAL REVENUE
POD - Customer (per meter)	\$ 2.46	\$ 64,916,166
POD - Metering (per meter)	\$ 2.07	\$ 54,603,909
FACILITIES - Trans. (per kWh)	0.01507	\$ 439,365,483
FACILITIES - Dist. (per kWh)	0.02265	\$ 660,360,198
TOTAL		\$ 1,219,245,756

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 RESIDENTIAL
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	ITEM	BILLING UNITS	CURRENT		PROPOSED	
			UNIT PRICE	REVENUE	UNIT PRICE	REVENUE
1	CUSTOMER CHARGE	26,378,700 BILLS	\$ 1.62	\$ 42,733,494	\$ 2.46	\$ 64,916,166
2						
3	METERING CHARGE	26,378,700 BILLS	\$ 3.85	\$ 101,557,995	\$ 2.07	\$ 54,603,909
4						
5	TRANSMISSION SYSTEM CHARGE	29,154,975,651 kWh	\$ 0.008439	\$ 246,038,840	\$ 0.015070	\$ 439,365,483
6						
7	DISTRIBUTION SYSTEM CHARGE	29,154,975,651 kWh	\$ 0.016489	\$ 480,736,394	\$ 0.022650	\$ 660,360,198
8						
9	TOTAL			\$ 871,066,722		\$ 1,219,245,756
10						
11						
12					Proposed	\$ 1,219,245,756
13					Difference	\$ 0
14						

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 SECONDARY--<10
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	CLASS BILLING STATISTICS	ESTIMATED BILLING UNITS
1	Number of Annual Bills	1,777,476
2	Annual kWh	918,291,641
3		
4		

CALCULATION OF UNIT CHARGES USING ESTIMATED BILLING UNITS						
FUNCTION	POINT OF DELIVERY (POD) CHARGE		FACILITIES CHARGE (PER kWh)		FACILITIES CHARGE (PER Kva)	
	\$	\$/Cust.	\$	\$/kWh	\$	\$/Kva
1. Transmission (TRAN)	-	-	8,272,513	0.00901	-	-
2. Distribution (DIST)	-	-	14,226,352	0.01549	-	-
3. Transmission & Distribution Utility Metering System Services (MET)	4,149,656	2.33	-	-	-	-
4. Transmission & Distribution Utility Billing System Services (TD-BILL)		0.00	-	-		
5. Additional Billing Services (A-BILL)		-	-	-	-	-
6. Transmission & Distribution Utility Customer Service (TDCS)	4,310,366	2.42	-	-		
TOTAL	8,460,022	4.75	22,498,865	0.02450	-	-

FUNCTION	FUNCTION SUMMARY
	\$
1. Transmission (TRAN)	8,272,513
2. Distribution (DIST)	14,226,352
3. Transmission & Distribution Utility Metering System Services (MET)	4,149,656
4. Transmission & Distribution Utility Billing System Services (TD-BILL)	
5. Additional Billing Services (A-BILL)	
6. Transmission & Distribution Utility Customer Service (TDCS)	4,310,366
TOTAL	30,958,887

PROPOSED CHARGES		
DESCRIPTION	UNIT CHARGE	TOTAL REVENUE
POD - Customer (per meter)	\$ 2.43	\$ 4,319,222
POD - Metering (per meter)	\$ 2.33	\$ 4,141,519
FACILITIES - Trans. (per kWh)	0.00901	\$ 8,273,808
FACILITIES - Dist. (per kWh)	0.01549	\$ 14,224,338
TOTAL		\$ 30,958,887

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 SECONDARY=<10
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	ITEM	BILLING UNITS	Current		Proposed	
			UNIT PRICE	REVENUE	UNIT PRICE	REVENUE
1	CUSTOMER CHARGE	1,777,476 BILLS	\$ 1.61	\$ 2,861,736	\$ 2.43	\$ 4,319,222
2						
3	METERING CHARGE	1,777,476 BILLS	\$ 4.41	\$ 7,838,669	\$ 2.33	\$ 4,141,519
4						
5	TRANSMISSION SYSTEM CHARGE	918,291,641 kWh	\$ 0.004437	\$ 4,074,460	\$ 0.009010	\$ 8,273,808
6						
7	DISTRIBUTION SYSTEM CHARGE	918,291,641 kWh	\$ 0.012218	\$ 11,219,687	\$ 0.015490	\$ 14,224,338
8						
9	TOTAL			\$ 25,994,553		\$ 30,958,887
10						
11						
12					Proposed	\$ 30,958,887
13					Difference	\$ (0)
14						

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 SECONDARY-10
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	CLASS BILLING STATISTICS	ESTIMATED BILLING UNITS
1	Number of Annual Bills- IDR	44,904
2	Number of Annual Bills- non-IDR	1,609,440
3	Transmission- IDR	31,267,565 4 CP Kva
4	Transmission- non-IDR	71,925,494 NCP Kva
5	Distribution	82,033,303 BILLING Kva

CALCULATION OF UNIT CHARGES USING ESTIMATED BILLING UNITS						
FUNCTION	POINT OF DELIVERY (POD) CHARGE		FACILITIES CHARGE (PER kWh)		FACILITIES CHARGE (PER Kva)	
	\$	\$/Cust.	\$	\$/kWh	\$	\$/Kva
1. Transmission (TRAN)						
IDR Customers					126,621,206	4.04960
Non-IDR Customers					194,225,875	2.71169
2. Distribution (DIST)					396,327,371	4.83130
3. Transmission & Distribution Utility						
IDR Metering System Services (MET)	3,587,713	79.90				
Non-IDR Metering System Services (MET)	12,315,975	7.65				
4. Transmission & Distribution Utility						
Billing System Services (TD-BILL)						
5. Additional Billing Services (A-BILL)						
6. Transmission & Distribution Utility						
IDR Customers Service (TDCS)	2,154,735	47.99				
Non-IDR Customers Service (TDCS)	5,151,079	3.20				
TOTAL	23,209,502				717,174,453	

FUNCTION	FUNCTION SUMMARY
	\$
1. Transmission (TRAN)	320,647,082
2. Distribution (DIST)	396,327,371
3. Transmission & Distribution Utility	
Metering System Services (MET)	15,903,888
4. Transmission & Distribution Utility	
Billing System Services (TD-BILL)	
5. Additional Billing Services (A-BILL)	
6. Transmission & Distribution Utility	
Customer Service (TDCS)	7,305,814
TOTAL	740,383,955

Transmission (TRAN)	320,647,082
IDR Customers	126,621,206
Non-IDR Customers	194,225,875
Metering System Services (MET)	15,903,888
IDR	3,587,713
Non-IDR	12,315,975
T & D Utility Customer Service (TDCS)	7,305,814
IDR	2,154,735
Non-IDR	5,151,079

PROPOSED CHARGES		
DESCRIPTION	UNIT CHARGE	TOTAL REVENUE
POD - Customer (per meter):		
IDR	\$ 47.99	\$ 2,155,051
Non-IDR	\$ 3.20	\$ 5,154,095
POD - Metering (per meter):		
IDR	\$ 79.90	\$ 3,587,830
Non-IDR	\$ 7.65	\$ 12,312,216
FACILITIES - Trans. .		
IDR (per 4 CP Kva)	4.04960	\$ 126,621,130
Non-IDR (per NCP Kva)	2.71169	\$ 194,226,136
FACILITIES - Dist. (per Billing Kva)	4.83130	\$ 396,327,497
TOTAL		\$ 740,383,955

PUBLIC UTILITY COMMISSION OF TEXAS CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC IV-J-7 SECONDARY-10 TEST YEAR ENDED 12/31/2018 DOCKET NUMBER PENDING ASSIGNMENT SPONSOR: M. TROXLE

Line No.	ITEM	BILLING UNITS		CURRENT		PROPOSED	
				UNIT PRICE	REVENUE	UNIT PRICE	REVENUE
1	CUSTOMER CHARGE						
2	IDR METERED						
3	STANDARD CLASS	44,904	BILLS	\$ 65.83	\$ 2,958,030	\$ 47.99	\$ 2,155,051
4							
5	NON-IDR METERED						
6	STANDARD CLASS	1,609,440	BILLS	\$ 2.26	\$ 3,637,334	\$ 3.20	\$ 5,154,095
7							
8							
9	METERING CHARGE						
10	IDR METERED						
11	STANDARD CLASS	44,904	BILLS	\$ 63.07	\$ 2,832,095	\$ 79.90	\$ 3,587,830
12							
13	NON-IDR METERED						
14	STANDARD CLASS	1,609,440	BILLS	\$ 18.82	\$ 30,289,661	\$ 7.65	\$ 12,312,216
15							
16							
17	TRANSMISSION SYSTEM CHARGE						
18	IDR METERED	31,267,565	4CP Kva	\$ 2.2387	\$ 69,998,697	\$ 4.0496	\$ 126,621,130
19	NON-IDR METERED	71,625,494	NCP Kva	\$ 1.4318	\$ 102,553,383	\$ 2.7117	\$ 194,226,136
20							
21	DISTRIBUTION SYSTEM CHARGE						
22	<i>Does not include Ratchet for Billing Kva</i>						
23	IDR METERED	29,725,495	Billing Kva	\$ 3.059429	\$ 90,943,041	\$ 4.831300	\$ 143,612,784
24	NON-IDR METERED	52,307,808	Billing Kva	\$ 3.059429	\$ 160,032,025	\$ 4.831300	\$ 252,714,713
25							
26	TOTAL				\$ 463,242,266		\$ 740,383,955
27							
28							
29						Proposed	\$ 740,383,955
30							
31						Difference	\$ 0

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
IV-J-7 PRIMARY
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TROXLE

Line No.	CLASS BILLING STATISTICS	ESTIMATED BILLING UNITS
1	Number of Annual Bills- IDR	7,032
2	Number of Annual Bills- non-IDR	4,956
3	Transmission- IDR	7,615,993 4 CP Kva
4	Transmission- non-IDR	1,035,936 NCP Kva
5	Distribution	13,460,975 BILLING Kva

CALCULATION OF UNIT CHARGES USING ESTIMATED BILLING UNITS						
FUNCTION	POINT OF DELIVERY (POD) CHARGE		FACILITIES CHARGE (PER kWh)		FACILITIES CHARGE (PER Kva)	
	\$	\$/Cust.	\$	\$/kWh	\$	\$/Kva
1. Transmission (TRAN)						
IDR Customers					29,984,876	3,93709
Non-IDR Customers					2,831,760	2,73353
2. Distribution (DIST)					33,964,367	2,52317
3. Transmission & Distribution Utility						
IDR Metering System Services (MET)	1,397,349	198.71				
Non-IDR Metering System Services (MET)	1,423,797	287.29				
4. Transmission & Distribution Utility						
Billing System Services (TD-BILL)						
5. Additional Billing Services (A-BILL)						
6. Transmission & Distribution Utility						
IDR Customer Service (TDCS)	427,850	60.84				
Non-IDR Customer Service (TDCS)	23,777	4.80				
TOTAL	3,272,772				66,781,002	

FUNCTION SUMMARY	\$
1. Transmission (TRAN)	32,816,635
2. Distribution (DIST)	33,964,367
3. Transmission & Distribution Utility Metering System Services (MET)	2,821,146
4. Transmission & Distribution Utility Billing System Services (TD-BILL)	
5. Additional Billing Services (A-BILL)	
6. Transmission & Distribution Utility Customer Service (TDCS)	451,627
TOTAL	70,053,774

PROPOSED CHARGES		
DESCRIPTION	UNIT CHARGE	TOTAL REVENUE
POD - Customer (per meter):		
IDR	\$ 60.85	\$ 427,909
Non-IDR	\$ 4.80	\$ 23,789
POD - Metering (per meter):		
IDR	\$ 198.71	\$ 1,397,329
Non-IDR	\$ 287.29	\$ 1,423,809
FACILITIES - Trans. :		
IDR (per 4 CP Kva)	\$ 3,93709	\$ 29,984,849
Non-IDR (per NCP Kva)	\$ 2,73353	\$ 2,831,762
FACILITIES - Dist. (per Billing Kva)	\$ 2.52317	\$ 33,964,328
TOTAL		\$ 70,053,775

Transmission (TRAN)	\$	32,816,635
IDR Customers	\$	29,984,876
Non-IDR Customers	\$	2,831,760

Metering System Services (MET)	\$	2,821,146
IDR	\$	1,397,349
Non-IDR	\$	1,423,797

T & D Utility Customer Service (TDCS)		451,627
IDR	\$	427,850
Non-IDR	\$	23,777

PUBLIC UTILITY COMMISSION OF TEXAS CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC IV-J-7 PRIMARY TEST YEAR ENDED 12/31/2018 DOCKET NUMBER PENDING ASSIGNMENT SPONSOR: M. TROXLER

Line No.	ITEM	BILLING UNITS		CURRENT		PROPOSED	
				UNIT PRICE	REVENUE	UNIT PRICE	REVENUE
1	CUSTOMER CHARGE						
2	IDR METERED						
3	STANDARD CLASS	7,032	BILLS	\$ 76.73	\$ 539,565	\$ 60.85	\$ 427,909
4							
5	NON-IDR METERED						
6	STANDARD CLASS	4,956	BILLS	\$ 3.58	\$ 17,742	\$ 4.80	\$ 23,789
7							
8							
9	METERING CHARGE						
10	IDR METERED						
11	STANDARD CLASS	7,032	BILLS	\$ 138.40	\$ 973,229	\$ 198.71	\$ 1,397,329
12							
13	NON-IDR METERED						
14	STANDARD CLASS	4,956	BILLS	\$ 181.35	\$ 898,771	\$ 287.29	\$ 1,423,809
15							
16							
17	TRANSMISSION SYSTEM CHARGE						
18	IDR METERED	7,615,993	4CP Kva	\$ 2.1546	\$ 16,409,418	\$ 3.9371	\$ 29,984,849
19	NON-IDR METERED	1,035,936	NCP Kva	\$ 1.7033	\$ 1,764,510	\$ 2.7335	\$ 2,831,762
20							
21	DISTRIBUTION SYSTEM CHARGE						
22	<i>Includes Ratchet for Billing Kva</i>						
23	IDR METERED	12,278,206	Billing Kva	\$ 2.002820	\$ 24,591,037	\$ 2.523170	\$ 30,980,001
24	NON-IDR METERED	1,182,769	Billing Kva	\$ 2.002820	\$ 2,368,873	\$ 2.523170	\$ 2,984,326
25							
26	TOTAL				\$ 47,563,144		\$ 70,063,774
27							
28							
29						Proposed	\$ 70,063,774
30						Difference	\$ 0
31							

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
IV-J-7 TRANSMISSION
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TROXLE

Line No.	CLASS BILLING STATISTICS	ESTIMATED BILLING UNITS
1	Number of Annual Bills	2,448
2	Annual 4 CP Kva	29,796,612
3		
4		
5		
6		
7		

CALCULATION OF UNIT CHARGES USING ESTIMATED BILLING UNITS						
FUNCTION	POINT OF DELIVERY (POD) CHARGE		FACILITIES CHARGE (PER kWh)		FACILITIES CHARGE (PER Kva)	
	\$	\$/Cust.	\$	\$/kWh	\$	\$/Kva
1. Transmission (TRAN)					140,527,105	4.71621
2. Distribution (DIST)					17,727,530	0.59495
3. Transmission & Distribution Utility Metering System Services (MET)	3,566,703	1,456.99				
4. Transmission & Distribution Utility Billing System Services (TD-BILL)						
5. Additional Billing Services (A-BILL)						
6. Transmission & Distribution Utility Customer Service (TDCS)	542,363	221.55				
TOTAL	4,109,066				158,254,635	

FUNCTION	FUNCTION SUMMARY
	\$
1. Transmission (TRAN)	140,527,105
2. Distribution (DIST)	17,727,530
3. Transmission & Distribution Utility Metering System Services (MET)	3,566,703
4. Transmission & Distribution Utility Billing System Services (TD-BILL)	
5. Additional Billing Services (A-BILL)	
6. Transmission & Distribution Utility Customer Service (TDCS)	542,363
TOTAL	162,363,701

PROPOSED CHARGES		
DESCRIPTION	UNIT CHARGE	TOTAL REVENUE
POD - Customer (per meter)	\$ 221.58	\$ 542,416
POD - Metering (per meter)	\$ 1,456.99	\$ 3,566,712
FACILITIES - Trans. (per 4 CP Kva):	\$ 4.71621	\$ 140,527,079
FACILITIES - Dist. (per 4 CP Kva)	\$ 0.59495	\$ 17,727,494
TOTAL		\$ 162,363,701

PUBLIC UTILITY COMMISSION OF TEXAS CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC IV-J-7 TRANSMISSION TEST YEAR ENDED 12/31/2018 DOCKET NUMBER PENDING ASSIGNMENT SPONSOR: M. TROXLE

Line No.	ITEM	BILLING UNITS		CURRENT		PROPOSED	
				UNIT PRICE	REVENUE	UNIT PRICE	REVENUE
1	CUSTOMER CHARGE	2,448	BILLS	154.44 \$	378,069	\$ 221.58	\$ 542,416
2							
3	METERING CHARGE	2,448	BILLS	1449.82 \$	3,549,159	\$ 1,456.99	\$ 3,566,712
4							
5	TRANSMISSION SYSTEM CHARGE	29,796,612	4CP Kva	2.1188 \$	63,133,061	\$ 4.7162	\$ 140,527,079
6							
7	DISTRIBUTION SYSTEM CHARGE	29,796,812	4CP Kva	0.463296 \$	13,804,651	0.59495	\$ 17,727,494
8							
9	TOTAL			\$	80,864,941	\$	162,363,701
10							
11							
12						Proposed	\$ 162,363,701
13							
14						Difference	\$ (0)

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 SLS STREET LIGHTING SERVICE
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Schedule	Lamp Type	Lumen ¹	Watt	Annual No. of Lamps	Current		Proposed		Increase or Decrease		
					Price ²	Revenue	Price	Revenue	Per Lamp	Revenue	%
A	MV	22,600	400	1128	\$ 5.150000	\$ 5,809	\$ 4.42	\$ 4,986	\$(0.73)	-\$823	-14%
A	MV	7,800	175	612	\$ 3.640000	\$ 2,228	\$ 3.87	\$ 2,367	0.23	\$139	6%
A	MV	4,200	100	4704	\$ 3.540000	\$ 16,652	\$ 3.89	\$ 18,315	0.35	\$1,663	10%
B	MV	22,600	400	24	\$ 17.750000	\$ 426	\$ 18.83	\$ 452	1.08	\$26	6%
B	MV	4,200	100	12	\$ 16.910000	\$ 203	\$ 18.36	\$ 220	1.45	\$17	9%
D	MV	22,600	400	84	\$ 19.750000	\$ 1,659	\$ 13.14	\$ 1,103	\$(6.61)	-\$556	-33%
D	MV	7,800	175	504	\$ 15.890000	\$ 8,009	\$ 12.58	\$ 6,342	\$(3.31)	-\$1,667	-21%
D	MV	4,200	100	24060	\$ 13.700000	\$ 329,622	\$ 12.81	\$ 303,384	\$(1.09)	-\$26,238	-8%
E	MV	22,600	400	48	\$ 13.140000	\$ 631	\$ 11.73	\$ 563	\$(1.41)	-\$68	-11%
A	HPS	50,000	400	6288	\$ 7.930000	\$ 49,864	\$ 4.39	\$ 27,610	\$(3.54)	-\$22,254	-45%
A	HPS	28,000	250	65472	\$ 5.150000	\$ 337,181	\$ 4.26	\$ 279,001	\$(0.89)	-\$58,179	-17%
A	HPS	15,000	150	54960	\$ 3.640000	\$ 200,054	\$ 4.14	\$ 227,333	0.50	\$27,278	14%
A	HPS	9,500	100	160980	\$ 3.640000	\$ 585,967	\$ 4.12	\$ 662,850	0.48	\$76,883	13%
A	HPS	6,000	70	5772	\$ 3.580000	\$ 20,664	\$ 4.08	\$ 23,560	0.50	\$2,896	14%
B	HPS	50,000	400	48	\$ 20.650000	\$ 991	\$ 18.80	\$ 903	\$(1.85)	-\$89	-9%
B	HPS	28,000	250	1728	\$ 17.750000	\$ 30,672	\$ 18.67	\$ 32,268	0.92	\$1,596	5%
B	HPS	15,000	150	168	\$ 16.200000	\$ 2,722	\$ 18.55	\$ 3,116	2.35	\$395	14%
B	HPS	9,500	100	276	\$ 16.200000	\$ 4,471	\$ 18.50	\$ 5,106	2.30	\$634	14%
B	HPS	6,000	70	192	\$ 16.130000	\$ 3,097	\$ 18.49	\$ 3,551	2.36	\$454	15%
C	HPS	28,000	250	216	\$ 11.660000	\$ 2,519	\$ 10.28	\$ 2,220	\$(1.38)	-\$299	-12%
C	HPS	15,000	150	96	\$ 10.770000	\$ 1,034	\$ 10.15	\$ 975	\$(0.62)	-\$59	-6%
D	HPS	50,000	400	9108	\$ 23.280000	\$ 212,034	\$ 13.11	\$ 119,377	\$(10.17)	-\$92,657	-44%
D	HPS	28,000	250	104472	\$ 19.750000	\$ 2,063,322	\$ 12.98	\$ 1,355,770	\$(6.77)	-\$707,552	-34%
D	HPS	15,000	150	113292	\$ 15.890000	\$ 1,800,210	\$ 12.85	\$ 1,456,063	\$(3.04)	-\$344,147	-19%
D	HPS	9,500	100	2210016	\$ 12.920000	\$ 28,553,407	\$ 12.83	\$ 28,362,372	\$(0.09)	-\$191,035	-1%
D	HPS	6,000	70	60648	\$ 12.460000	\$ 755,674	\$ 12.80	\$ 776,153	0.34	\$20,478	3%
E	HPS	50,000	400	432	\$ 15.500000	\$ 6,696	\$ 11.70	\$ 5,053	\$(3.80)	-\$1,643	-25%
E	HPS	28,000	250	23616	\$ 13.150000	\$ 310,550	\$ 11.57	\$ 273,189	\$(1.58)	-\$37,361	-12%
E	HPS	15,000	150	19344	\$ 10.400000	\$ 201,178	\$ 11.44	\$ 221,352	1.04	\$20,174	10%
E	HPS	9,500	100	25632	\$ 8.880000	\$ 227,612	\$ 11.42	\$ 292,824	2.54	\$65,212	29%
A	MH	32,200	400	1224	\$ 9.490000	\$ 11,616	\$ 5.40	\$ 6,615	\$(4.09)	-\$5,001	-43%
A	MH	19,475	250	1776	\$ 10.340000	\$ 18,364	\$ 10.00	\$ 17,760	\$(0.34)	-\$604	-3%
A	MH	12,900	175	12	\$ 11.010000	\$ 132	\$ 7.99	\$ 96	\$(3.02)	-\$36	-27%
A	MH	7,900	100	24	\$ 11.690000	\$ 281	\$ 7.29	\$ 175	\$(4.40)	-\$106	-38%
D	MH	32,200	400	2268	\$ 23.940000	\$ 54,296	\$ 19.36	\$ 43,905	\$(4.58)	-\$10,391	-19%
D	MH	19,475	250	8652	\$ 26.430000	\$ 228,672	\$ 18.55	\$ 160,492	\$(7.88)	-\$68,181	-30%
D	MH	12,900	175	5880	\$ 23.520000	\$ 138,298	\$ 16.63	\$ 97,761	\$(8.89)	-\$40,537	-29%
D	MH	7,900	100	28224	\$ 23.290000	\$ 657,337	\$ 15.93	\$ 449,575	\$(7.36)	-\$207,762	-32%
E	MH	32,200	400	2376	\$ 18.560000	\$ 44,099	\$ 15.94	\$ 37,879	\$(2.62)	-\$6,220	-14%
E	MH	19,475	250	1152	\$ 18.350000	\$ 21,139	\$ 15.12	\$ 17,413	\$(3.23)	-\$3,726	-18%
E	MH	12,900	175	1752	\$ 17.090000	\$ 29,942	\$ 14.27	\$ 25,004	\$(2.82)	-\$4,937	-16%
E	MH	7,900	100	1176	\$ 19.680000	\$ 23,144	\$ 13.57	\$ 15,964	\$(6.11)	-\$7,180	-31%
A	LED	15,100	180	684	\$ 7.930000	\$ 5,424	\$ 5.20	\$ 3,558	\$(2.73)	-\$1,867	-34%

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 SLS STREET LIGHTING SERVICE
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Schedule	Lamp Type	Lumen ¹	Watt	Annual No. of Lamps	Current		Proposed		Increase or Decrease		
					Price ²	Revenue	Price	Revenue	Per Lamp	Revenue	%
A	LED	10,850	115	283740	\$ 5.150000	\$ 1,461,261	\$ 4.77	\$ 1,354,514	(0.38)	-\$106,747	-7%
A	LED	7,900	95	228216	\$ 3.640000	\$ 830,706	\$ 4.37	\$ 997,844	0.73	\$167,137	20%
A	LED	4,800	45	605160	\$ 3.640000	\$ 2,202,782	\$ 3.93	\$ 2,376,988	0.29	\$174,205	8%
A	LED	2,000	20	0	\$ -	\$ -	\$ 3.93	\$ -	3.93	\$0	
B	LED	10,850	115	2760	\$ 17.750000	\$ 48,990	\$ 19.21	\$ 53,015	1.46	\$4,025	8%
B	LED	7,900	95	300	\$ 16.200000	\$ 4,860	\$ 18.81	\$ 5,642	2.61	\$782	16%
B	LED	4,800	45	1632	\$ 16.200000	\$ 26,438	\$ 18.36	\$ 29,967	2.16	\$3,529	13%
C	LED	10,850	115	2928	\$ 11.660000	\$ 34,140	\$ 22.16	\$ 64,893	10.50	\$30,752	90%
C	LED	7,900	95	864	\$ 10.770000	\$ 9,305	\$ 10.68	\$ 9,228	(0.09)	-\$78	-1%
D	LED	15,100	180	22272	\$ 23.280000	\$ 518,492	\$ 6.97	\$ 155,228	(16.31)	-\$363,264	-70%
D	LED	10,850	115	240348	\$ 19.750000	\$ 4,746,873	\$ 13.51	\$ 3,247,570	(6.24)	-\$1,499,303	-32%
D	LED	7,900	95	64404	\$ 15.890000	\$ 1,023,380	\$ 13.11	\$ 844,370	(2.78)	-\$179,009	-17%
D	LED	4,800	45	1041864	\$ 12.920000	\$ 13,460,883	\$ 12.67	\$ 13,196,279	(0.25)	-\$264,604	-2%
D	LED	2,000	20	0	\$ -	\$ -	\$ 12.67	\$ -	12.67	\$0	
E	LED	15,100	180	600	\$ 15.500000	\$ 9,300	\$ 25.60	\$ 15,360	10.10	\$6,060	65%
E	LED	10,850	115	13728	\$ 13.150000	\$ 180,523	\$ 12.37	\$ 169,849	(0.78)	-\$10,674	-6%
E	LED	7,900	95	6624	\$ 10.400000	\$ 68,890	\$ 11.97	\$ 79,296	1.57	\$10,407	15%
E	LED	4,800	45	3120	\$ 8.880000	\$ 27,706	\$ 11.53	\$ 35,963	2.65	\$8,257	30%
1D & 4A'S	MH	7,900	100	480	\$ 14.010000	\$ 6,725	\$ 9.02	\$ 4,329	(4.99)	-\$2,396	-36%
Total Lamps				5,468,172		\$61,629,154		\$ 57,984,906		-\$3,644,247	-6%
Break-away Base				1,380	\$ 1.09	\$1,504	1.03	\$ 1,421	(0.06)	-\$83	-6%
Total Revenue						\$61,630,658		\$ 57,986,328		-\$3,644,330	-6%

¹ Amount stated is the most recent manufacturers specifications for initial lumen.

² There is also one unique lamp type under MH 7,900, that is charged for 1 Schedule D and 4 Schedule A's

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 SLIP MISCELLANEOUS LIGHTING SERVICE
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Lamp Type Description				Current Rates				Proposed Rates				Increase/Decrease				Before Adder Total Charge	Revenue	Include?	O&M Revenue
Type of Lamp	Lumen ¹	Total Watts	Annual No of Lamps	T&D O&M	Fixture	Total	Revenue	T&D O&M	Fixture	Total	Revenue	Per Lamp (T&D Charge)	Per Lamp (Fixture Charge)	Revenue	%				
Customer Owned:																			
FL HPS (150 W)	15,000	185	1,368	\$ 4,200,000	N.A.	\$ 4,200,000	\$ 5,746	\$ 3.56	N.A.	\$ 3.56	\$ 4,876	\$ (0.64)	N.A.	\$ (870)	-15.14%	\$ 3.56	\$ 4,870	yes	4870.08
FL HPS (250 W)	28,000	315	16,880	\$ 4,620,000	N.A.	\$ 4,620,000	\$ 78,448	\$ 4.33	N.A.	\$ 4.33	\$ 73,605	\$ (0.29)	N.A.	\$ (4,842)	-8.17%	\$ 4.33	\$ 73,523	yes	73523.4
FL HPS (400 W)	50,000	475	144	\$ 4,740,000	N.A.	\$ 4,740,000	\$ 683	\$ 3.87	N.A.	\$ 3.87	\$ 558	\$ (0.87)	N.A.	\$ (125)	-18.26%	\$ 3.87	\$ 557	yes	557.28
FL HPS (1000 W)	140,000	1,100	1,056	\$ 9,370,000	N.A.	\$ 9,370,000	\$ 9,895	\$ 7.28	N.A.	\$ 7.28	\$ 7,686	\$ (2.09)	N.A.	\$ (2,209)	-22.33%	\$ 7.27	\$ 7,677	yes	7677.12
FL MH (175 W)	12,900	210	204	\$ 10,710,000	N.A.	\$ 10,710,000	\$ 2,185	\$ 9.70	N.A.	\$ 9.70	\$ 1,978	\$ (1.01)	N.A.	\$ (207)	N.A.	\$ 9.69	\$ 1,976	yes	1975.848354
FL MH (250 W)	19,475	294	0	\$ 19,170,000	N.A.	\$ 19,170,000	\$ -	\$ 17.93	N.A.	\$ 17.93	\$ -	\$ (1.24)	N.A.	\$ -	N.A.	\$ 17.91	\$ -	yes	0
FL MH (400 W)	32,200	476	600	\$ 7,810,000	N.A.	\$ 7,810,000	\$ 4,686	\$ 7.31	N.A.	\$ 7.31	\$ 4,385	\$ (0.50)	N.A.	\$ (301)	-8.43%	\$ 7.30	\$ 4,380	yes	4380
FL MH (1000 W)	104,500	1,100	1,560	\$ 17,790,000	N.A.	\$ 17,790,000	\$ 27,752	\$ 14.08	N.A.	\$ 14.08	\$ 21,958	\$ (3.71)	N.A.	\$ (5,794)	-20.88%	\$ 14.06	\$ 21,934	yes	21933.6
RVV HPS (150 W)	15,000	185	108	\$ 2,810,000	N.A.	\$ 2,810,000	\$ 303	\$ 2.42	N.A.	\$ 2.42	\$ 282	\$ (0.39)	N.A.	\$ (42)	-13.78%	\$ 2.42	\$ 281	yes	261.36
GL HPS (100 W)	9,500	120	84	\$ 2,810,000	N.A.	\$ 2,810,000	\$ 236	\$ 2.41	N.A.	\$ 2.41	\$ 203	\$ (0.40)	N.A.	\$ (33)	-14.14%	\$ 2.41	\$ 202	yes	202.44
GL MV (No New)	7,800	215	0	\$ 2,810,000	N.A.	\$ 2,810,000	\$ -	\$ -	N.A.	\$ -	\$ -	\$ (2.81)	N.A.	\$ -	N.A.	\$ -	\$ -	yes	0
Total Customer Owned			22,104				\$ 129,933				\$ 116,510			\$ (14,424)	-11.10%		\$ 116,381		\$ 116,381
CNP Owned:																			
FL HPS (150 W)	15,000	185	82,704	\$ 4,200,000	\$ 4.15	\$ 8,350,000	\$ 690,578	\$ 3.58	\$ 4.32	\$ 7.88	\$ 652,036	\$ (0.64)	\$ 0.17	\$ (38,543)	-5.58%	\$ 7.88	\$ 651,708	yes	294426.24
FL HPS (250 W)	28,000	315	780	\$ 4,620,000	\$ 4.46	\$ 9,080,000	\$ 7,082	\$ 4.33	\$ 5.17	\$ 9.50	\$ 7,414	\$ (0.29)	\$ 0.71	\$ 331	4.68%	\$ 9.50	\$ 7,410	yes	3377.4
FL HPS (400 W)	50,000	475	125,604	\$ 4,740,000	\$ 4.55	\$ 9,290,000	\$ 1,166,861	\$ 3.87	\$ 4.67	\$ 8.54	\$ 1,073,200	\$ (0.87)	\$ 0.12	\$ (93,861)	-8.03%	\$ 8.54	\$ 1,072,858	yes	486087.48
FL HPS (1000 W)	140,000	1,100	0	\$ 9,370,000	N.A.	\$ 9,370,000	\$ -	\$ 7.28	N.A.	\$ 7.28	\$ -	\$ (2.09)	N.A.	\$ -	N.A.	\$ 7.27	\$ -	yes	0
FL MH (175 W)	12,900	210	0	\$ 10,710,000	N.A.	\$ 10,710,000	\$ -	\$ 9.70	N.A.	\$ 9.70	\$ -	\$ (1.01)	N.A.	\$ -	N.A.	\$ 9.69	\$ -	yes	0
FL MH (250 W)	19,475	294	0	\$ 19,170,000	N.A.	\$ 19,170,000	\$ -	\$ 17.93	N.A.	\$ 17.93	\$ -	\$ (1.24)	N.A.	\$ -	N.A.	\$ 17.81	\$ -	yes	0
FL MH (400 W)	32,200	476	0	\$ 7,810,000	N.A.	\$ 7,810,000	\$ -	\$ 7.31	N.A.	\$ 7.31	\$ -	\$ (0.50)	N.A.	\$ -	N.A.	\$ 7.30	\$ -	yes	0
FL MH (1000 W)	104,500	1,100	0	\$ 17,790,000	N.A.	\$ 17,790,000	\$ -	\$ 14.08	N.A.	\$ 14.08	\$ -	\$ (3.71)	N.A.	\$ -	N.A.	\$ 14.06	\$ -	yes	0
RVV HPS (150 W)	15,000	185	198,778	\$ 2,810,000	\$ 2.70	\$ 5,510,000	\$ 1,084,236	\$ 2.42	\$ 2.78	\$ 5.20	\$ 1,023,786	\$ (0.39)	\$ 0.08	\$ (60,470)	-5.58%	\$ 5.20	\$ 1,023,235	yes	476197.82
GL HPS (100 W)	9,500	120	156	\$ 2,810,000	\$ 2.70	\$ 5,510,000	\$ 860	\$ 2.41	\$ 2.78	\$ 5.19	\$ 810	\$ (0.40)	\$ 0.08	\$ (50)	-5.76%	\$ 5.19	\$ 810	yes	375.96
GL MV (100 W) (No	7,800	215	0	\$ 2,810,000	\$ 2.70	\$ 5,510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2.81)	\$ (2.70)	\$ -	#DIV/0!	\$ -	\$ -	yes	0
Total CNP Owned			406,020				\$ 2,949,617				\$ 2,767,225			\$ (182,393)	-6.52%		\$ 2,765,821		\$ 1,260,465
Total Lamps			428,124				\$ 3,079,551				\$ 2,872,734			\$ (206,816)	-6.72%		\$ 3,114,847	1st Pass Rev	\$ 1,376,846
Span:			102,288			\$ 2.55	\$ 260,834		\$ 2.38	\$ 243,448				\$ (17,389)	-6.67%		\$ 3,116,180	Target RR	0.11%
Total MLS Service							\$ 3,340,385				\$ 3,116,180			\$ (224,205)	-6.71%		\$ 1,533	Under/(Over)	

¹ Amount stated is the most recent manufacturers specifications for initial lumen.

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 TRANSMISSION COST RECOVERY FACTOR - RIDER TCRF
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	RATE CLASS	ESTIMATED UNITS	CURRENT		PROPOSED	
			*TCRF FACTOR	REVENUE	TCRF FACTOR	REVENUE
1						
2	Residential	29,154,975,651 per kWh	\$ 0.004636	\$ 135,162,467.12	\$ -	\$ -
3	Secondary <=10 Kva	918,291,641 per kWh	\$ 0.005007	\$ 4,597,886.25	\$ -	\$ -
4	Secondary > 10 Kva					
5	IDR	31,267,565 per 4 CP Kva	\$ 2.220816	\$ 69,439,507.86	\$ -	\$ -
6	Non-IDR	71,625,494 per NCP Kva	\$ 1.154194	\$ 82,669,715.61	\$ -	\$ -
7	Primary					
8	IDR	7,615,993 per 4 CP Kva	\$ 1.898137	\$ 14,456,197.46	\$ -	\$ -
9	Non-IDR	1,035,936 per NCP Kva	\$ 1.289805	\$ 1,336,155.29	\$ -	\$ -
10	Transmission	29,796,612 per 4 CP Kva	\$ 1.632335	\$ 48,638,052.38	\$ -	\$ -
11	Lighting Services					
12	Street Lighting Service	204,275,174 per kWh	\$ -	\$ -	\$ -	\$ -
13	Miscellaneous Lighting Service	48,990,596 per kWh	\$ -	\$ -	\$ -	\$ -
14						
15	TOTAL			\$ 358,299,981.96	\$ -	\$ -

Note: Current factors are based on effective date March 1, 2019 True-Up Filing in Docket No. 48933.

Line No.	RATE CLASS	ESTIMATED UNITS	38339 ALLOCATOR	CURRENT		PROPOSED	
				TCRF FACTOR	REVENUE	TCRF FACTOR	REVENUE
25	Residential	29,154,975,651 per kWh	47.14%	\$ 0.008239	\$ 240,214,969	\$ -	\$ -
26	Secondary <=10 Kva	918,291,641 per kWh	1.15%	\$ 0.006371	\$ 5,850,140	\$ -	\$ -
27	Secondary > 10 Kva		35.87%		\$ 182,766,299		
28	IDR	31,267,565 per 4 CP Kva	42.25%	\$ 2.469782	\$ 77,224,062	\$ -	\$ -
29	Non-IDR	71,625,494 per NCP Kva	57.75%	\$ 1.473629	\$ 105,542,238	\$ -	\$ -
30	Primary		3.62%		\$ 18,470,666		
31	IDR	7,615,993 per 4 CP Kva	91.54%	\$ 2.220149	\$ 16,908,639	\$ -	\$ -
32	Non-IDR	1,035,936 per NCP Kva	8.46%	\$ 1.507842	\$ 1,562,027	\$ -	\$ -
33	Transmission	29,796,612 per 4 CP Kva	12.22%	\$ 2.089083	\$ 62,247,608	\$ -	\$ -
34	Lighting Services						
35	Street Lighting Service	204,275,174 per kWh		\$ -	\$ -	\$ -	\$ -
36	Miscellaneous Lighting Service	48,990,596 per kWh		\$ -	\$ -	\$ -	\$ -
37			100.00%				
38	TOTAL				\$ 509,549,683	\$ -	\$ -

Proposed Rate Case

Share of ERCOT TCOS (Payments)	Utility's 4CP multiplied by ERCOT Postage Stamp Rate	\$ 942,044,179
Revenues from Wholesale Entities	Utility's Access Fee multiplied by Total ERCOT 4CP	\$ 394,359,947
Net Wholesale Matrix Payment (A665)		\$ 547,684,232
Plus TCOS Rate Case Expenses and Storm Related Items Remaining in TCRF (limited life items)		\$ -
Total Account 565		\$ 547,684,232

Rate Case Dkt. 38339

Share of ERCOT TCOS Calculation Sheet			
ERCOT Postage Stamp Rate	\$27.68571	Current CNP Retail Transmission	\$ 942,044,179
CNP Load (kW)	15,621,578.3	38339 CNP Retail Transmission	\$ 432,494,497
CNP Retail Transmission Payment Responsibility	\$ 229,984,949		\$ 509,549,683 * Current annualized revenue requirement difference from 38339.
CNP Wholesale Transmission Cost Received from Matrix	\$ 229,984,949		
Net Payment into ERCOT Matrix-FERC Account 565	\$ 229,984,949		
ERCOT 4CP	60,858,331.4		

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 TRANSITION CHARGES - SCHEDULE TC2
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	Total (1)	Residential (2)	Secondary Volt. =<10kva (3)	Secondary Volt. >10kva (4)	Primary Voltage (5)	Transmission Voltage (6)	Lighting SLS (7)	Lighting MLS (8)	Lighting Mwh
1	Sec>10 / Prim TC2 Rev Year end 12-31-18			\$77,508	\$10,620		204,275	48,991	253,266
2				87.9489%	12.0511%		80.6564%	19.3436%	100.0000%
3	\$201,877,355	\$81,731,864	\$1,704,209	\$79,098,716	\$10,838,432	\$27,690,078	\$656,589	\$157,467	
4									
5									
6	TC2 Class	Estimated Billing Units	TC2 Charges Units		Amount \$		Secondary Volt. =<10kva kWh	Secondary Volt. >10kva kWh	Total kWh
7									
8	Residential	30,182,744,214	\$ 0.002708	\$ / kWh	\$ 81,731,864		918,291,641	32,411,607,351	33,329,898,992
9	MGS-D	25,164,822,308	\$ 0.002458	\$ / kWh	\$ 81,855,189		2.7552%	97.2448%	100.0000%
10	MGS-T	331,847	\$ 0.333714	\$ / kW	\$ 110,875				
11	LGS-D	27,747,849	\$ 1.069473	\$ / Kva	\$ 29,675,566				
12	LGS-T	111,808	\$ 1.654174	\$ / kW	\$ 184,819				
13	LOS-A	19,991,321	\$ 0.665539	\$ / kW	\$ 13,305,011				
14	LOS-B	5,142,238	\$ 1.130429	\$ / kW	\$ 5,812,934				
15	SCP	2,743,598	\$ 1.168457	\$ / kW	\$ 3,205,778				
16	Lighting	235,662,084	\$ 0.003454	\$ / kWh	\$ 814,056				
17	SES-D	178,726	\$ 0.322740	\$ / kW	\$ 57,682				
18	ISS-D	23,364	\$ 2.285021	\$ / kW	\$ 52,920				
19	IS-30	2,338,259	\$ 0.677407	\$ / kW	\$ 1,583,953				
20	IS-10	7,972,550	\$ 0.341709	\$ / kW	\$ 2,724,289				
21	ISI	181,914	\$ 0.750345	\$ / kW	\$ 136,498				
22	ISS-T	62,886	\$ 0.825966	\$ / kW	\$ 51,942				
23	SES-T	816,705	\$ 0.329548	\$ / kW	\$ 269,144				
24	SBI	3,019,218	\$ 0.101098	\$ / kW	\$ 305,238				
25	Total	55,653,890,486			\$ 201,877,355				

*The \$201,877,355 is allocated to the classes based on the following allocators.

TC2 Classes	TC2 Allocators (PBRAF)	Initial Amounts
Residential	40.4859%	\$ 81,731,864
MGS-D	28.9741%	\$ 58,492,147
MGS-T	0.1881%	\$ 379,731
LGS-D	16.0558%	\$ 32,413,024
LGS-T	0.1195%	\$ 241,243
LOS-A	4.6947%	\$ 9,477,536
LOS-B	2.7249%	\$ 5,500,956
SCP	2.6371%	\$ 5,323,708
Lighting	0.5518%	\$ 1,113,959
SES-D	0.0319%	\$ 64,399
ISS-D	0.1382%	\$ 278,995
IS-30	0.9595%	\$ 1,937,013
IS-10	1.7179%	\$ 3,488,051
ISI	0.2159%	\$ 435,853
ISS-T	0.0650%	\$ 131,220
SES-T	0.2495%	\$ 503,684
SBI	0.1802%	\$ 383,971
Total	100.0000%	\$ 201,877,355

Note: Based on Annual True-Up Filing in Docket No. 32902.

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 TRANSITION CHARGES- SCHEDULE TC3
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	Total (1)	Residential (2)	Secondary Volt. =<10kva (3)	Secondary Volt. >10kva (4)	Primary Voltage (5)	Transmission Voltage (6)	Lighting SLS (7)	Lighting MLS (8)	Lighting Mwh
1	Sec>10 / Prim TC3 Rev Year end 12-31-18			\$33,496	\$4,594		204,275	48,991	253,266
2				87.9391%	12.0609%		80.6564%	19.3436%	100.0000%
3	\$55,105,153	\$10,112,126	\$658,692	\$31,398,001	\$4,306,263	\$8,508,657	\$97,929	\$23,486	
4									
5									
6	TC3 Class	Estimated Billing Units	TC3 Charges Units		Amount \$		Secondary Volt. =<10kva kWh	Secondary Volt. >10kva kWh	Total kWh
7									
8	Residential	30,134,274,478	\$ 0.000336	\$ / kWh	\$ 10,112,126		918,291,641	32,411,607,351	33,329,898,992
9	MGS-D	23,997,864,115	\$ 0.000996	\$ / kWh	\$ 23,907,579		2.7552%	97.2448%	100.0000%
10	MGS-T	834,948	\$ 0.212098	\$ / kWh	\$ 177,089				
11	LGS-D	28,507,828	\$ 0.438707	\$ / Kva	\$ 12,449,471				
12	LGS-T	118,533	\$ 0.742032	\$ / kW	\$ 87,958				
13	LOS-A	16,711,694	\$ 0.255119	\$ / kW	\$ 4,283,468				
14	LOS-B	4,101,925	\$ 0.620570	\$ / kW	\$ 2,545,532				
15	SCP	2,849,044	\$ 0.395830	\$ / kW	\$ 1,127,737				
16	Lighting	233,176,064	\$ 0.000521	\$ / kWh	\$ 121,415				
17	SES-D	189,430	\$ 0.058858	\$ / kW	\$ 11,149				
18	ISS-D	28,697	\$ (0.182742)	\$ / kW	\$ (5,244)				
19	IS-30	2,500,847	\$ (0.008782)	\$ / kW	\$ (21,982)				
20	IS-10	8,072,084	\$ 0.020007	\$ / kW	\$ 161,499				
21	ISI	1,949,850	\$ (0.018118)	\$ / kW	\$ (19,022)				
22	ISS-T	65,745	\$ 0.220475	\$ / kW	\$ 14,495				
23	SES-T	900,272	\$ 0.179316	\$ / kW	\$ 161,433				
24	SBI	2,061,861	\$ 0.005059	\$ / kW	\$ 10,432				
25	Total	54,433,307,314			\$ 55,105,153				

*The \$55,105,153 is allocated to the classes based on the following allocators:

TC3 Classes	Allocators (PBRAF)	Initial Amounts
Residential	18.3506%	\$ 10,112,126
MGS-D	42.1731%	\$ 23,239,551
MGS-T	0.2811%	\$ 154,901
LGS-D	23.7501%	\$ 13,087,529
LGS-T	0.1764%	\$ 97,205
LOS-A	5.7501%	\$ 3,188,601
LOS-B	5.1450%	\$ 2,835,160
SCP	3.3173%	\$ 1,828,003
Lighting	0.2982%	\$ 164,324
SES-D	0.0193%	\$ 10,635
ISS-D	-0.0436%	\$ (24,028)
IS-30	-0.0451%	\$ (24,852)
IS-10	0.3339%	\$ 183,996
ISI	-0.0492%	\$ (27,112)
ISS-T	0.0839%	\$ 35,212
SES-T	0.4464%	\$ 245,989
SBI	0.9325%	\$ 17,909
Total	100.0000%	\$ 55,105,153

Note: Based on Annual True-Up filing in Docket No. 34448

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 TRANSITION CHARGES- SCHEDULE TC5
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	Total (1)	Residential (2)	Secondary Volt. =<10kva (3)	Secondary Volt. >10kva (4)	Primary Voltage (5)	Transmission Voltage (6)	Lighting SLS (7)	Lighting MLS (8)	Lighting Mwh
1	Sec>10 / Prim TC5 Rev Year end 12-31-18			\$85,891	\$11,979		204,275	48,991	253,266
2				87.7603%	12.2397%		80.6564%	19.3436%	100.0000%
3	\$144,616,481	\$58,729,621	\$1,243,377	\$58,511,906	\$8,160,520	\$17,319,269	\$325,710	\$126,079	
4									
5		Estimated	TC5		Amount		Secondary	Secondary	
6	TC5 Class	Billing Units	Charges	Units	\$		Volt. =<10kva kWh	Volt. >10kva kWh	Total kWh
7									
8	Residential	30,182,744,214	\$ 0.001946	\$ / kWh	\$ 58,729,621		918,291,641	32,411,607,351	33,329,898,992
9	MGS-D	25,164,822,308	\$ 0.001793	\$ / kWh	\$ 45,129,055		2.7552%	97.2448%	100.0000%
10	MGS-T	331,847	\$ 0.776809	\$ / kW	\$ 257,626				
11	LGS-D	27,747,849	\$ 0.819036	\$ / Kva	\$ 22,726,496				
12	LGS-T	111,608	\$ 0.836592	\$ / kW	\$ 93,594				
13	LOS-A	19,991,321	\$ 0.435229	\$ / kW	\$ 8,700,807				
14	LOS-B	5,142,238	\$ 0.703825	\$ / kW	\$ 3,618,207				
15	SCP	2,743,598	\$ 0.729023	\$ / kW	\$ 2,000,145				
16	Lighting	235,662,084	\$ 0.002766	\$ / kWh	\$ 651,789				
17	SES-D	178,726	\$ 0.186561	\$ / kW	\$ 33,343				
18	ISS-D	23,364	\$ 1.151711	\$ / kW	\$ 26,909				
19	IS-30	2,338,259	\$ 0.343285	\$ / kW	\$ 802,641				
20	IS-10	8,004,765	\$ 0.175964	\$ / kW	\$ 1,408,548				
21	ISI	181,914	\$ 0.458098	\$ / kW	\$ 83,334				
22	ISS-T	82,886	\$ 0.594155	\$ / kW	\$ 37,364				
23	SES-T	784,490	\$ 0.220775	\$ / kW	\$ 173,196				
24	SBI	3,019,218	\$ 0.047830	\$ / kW	\$ 143,807				
25	Total	55,853,890,486			\$ 144,616,481				

*The \$144,616,481 is allocated to the classes based on the following allocators:

TC5 Classes	TC5 Allocators (PBRAF)	Initial Amounts
Residential	40.6106%	\$ 58,729,621
MGS-D	29.6302%	\$ 42,850,153
MGS-T	0.5930%	\$ 857,576
LGS-D	18.6794%	\$ 24,121,161
LGS-T	0.0915%	\$ 132,324
LOS-A	4.3873%	\$ 6,315,836
LOS-B	2.5279%	\$ 3,655,760
SCP	2.3068%	\$ 3,335,724
Lighting	0.6205%	\$ 897,345
SES-D	0.0304%	\$ 43,963
ISS-D	0.1053%	\$ 152,281
IS-30	0.7007%	\$ 1,013,328
IS-10	1.1652%	\$ 1,885,071
ISI	0.1266%	\$ 183,084
ISS-T	0.0560%	\$ 80,985
SES-T	0.2817%	\$ 378,461
SBI	0.1271%	\$ 183,808
Total	100.0000%	\$ 144,616,481

Note: Based on Annual True-Up filing in Docket No. 39809

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
IV-J-7 SYSTEM RESTORATION CHARGES - SCHEDULE SRC
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TROXLE

Line No.	Total (1)	Residential (2)	Secondary Volt =<10kva (3)	Secondary Volt >10kva (4)	Primary Voltage (5)	Transmission Voltage (6)	Lighting SLS (7)	Lighting MLS (8)	Lighting Mwh
1							204,275	48,991	253,266
2							80.6564%	19.3436%	100.0000%
3	\$52,362,517	\$33,992,489	\$1,506,610	\$13,802,349	\$1,069,000	\$0	\$1,606,732	\$385,337	
4									
5		Estimated	SRC		Amount				
6	SRC Class	Billing Units	Charges	Units	\$				
7									
8	Residential	30,182,744,214	\$ 0.001126	\$ / kWh	\$ 33,992,489				
9	Secondary =<10kva	925,215,828	\$ 0.001628	\$ / kWh	\$ 1,506,610				
10	Secondary >10kva	114,713,196	\$ 0.120321	\$ / Billing Kva	\$ 13,802,349				
11	Primary	12,051,104	\$ 0.088705	\$ / Billing Kva	\$ 1,069,000				
12	Lighting	235,662,084	\$ 0.008453	\$ / kWh	\$ 1,992,068				
13	Total	31,470,386,426			\$ 52,362,517				

*The \$52,362,517 is allocated to the classes based on the following allocators:

SRC Classes	Initial SRC Allocators (PBRAF)	Initial Amounts
Residential	64.9176%	\$ 33,992,489
Secondary =<10kva	3.3795%	\$ 1,769,591
Secondary >10kva	24.9808%	\$ 13,080,576
Primary	2.0000%	\$ 1,047,250
Lighting	4.7221%	\$ 2,472,610
Total	100.0000%	\$ 52,362,517

Note: Based on Financing Order in Docket No. 37200

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 ACCUMULATED DEFERRED FEDERAL INCOME TAX CREDIT - SCHEDULE ADFIT
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No	Total (1)	Residential (2)	Secondary Volt ≤10kva (3)	Secondary Volt >10kva (4)	Primary Voltage (5)	Transmission Voltage (6)	Lighting SLS (7)	Lighting MLS (8)	Lighting Mwh	
1							204,275	48,991	253,266	
2							80.6564%	19.3436%	100.0000%	
3										
4	(\$6,377,546)	(\$4,140,150)	(\$215,529)	(\$1,593,162)	(\$127,551)	\$0	(\$242,900)	(\$58,254)		
5	100%	65%	3%	25%	2%	0%	4%	1%		
6										
7										
8										
9	ADFIT Class	Estimated Billing Units	ADFIT Charges Units		Amount \$					
10										
11	Residential	30,182,744,214	\$ (0.000137)	\$ / kWh	\$ (4,140,150)					
12	Secondary ≤10kva	925,215,828	\$ (0.000233)	\$ / kWh	\$ (215,529)					
13	Secondary >10kva	114,713,196	\$ (0.013888)	\$ / Billing Kva	\$ (1,593,162)					
14	Primary	12,051,104	\$ (0.010584)	\$ / Billing Kva	\$ (127,551)					
15	Lighting	235,862,084	\$ (0.001278)	\$ / kWh	\$ (301,154)					
16	Total	31,470,386,426			\$ (6,377,546)					
17										
18										
19										
20										
21										
22	*The \$23,892,581 credit was initially allocated to the classes based on the following allocators.									
23										
24										
25										
26	ADFIT Classes	Initial ADFIT Allocators (PBRAF)	Initial Amounts							
27										
28	Residential	64.9176%	\$ (4,140,150)							
29	Secondary ≤10kva	3.3795%	\$ (215,529)							
30	Secondary >10kva	24.9808%	\$ (1,593,162)							
31	Primary	2.0300%	\$ (127,551)							
32	Lighting	4.7221%	\$ (301,154)							
33	Total	100.0000%	\$ (6,377,546)							
34										
35										
36	Note: Based on Financing Order in Docket No. 37200.									

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 ENERGY EFFICIENCY COST RECOVERY FACTOR - RIDER EECRF
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Per Docket EECRF Filing 47232:			CURRENT	
Line No.	RATE CLASS	ESTIMATED UNITS	EECRF FACTOR	REVENUE
1	Residential	31,093,419,993 per kWh	\$ 0.000728	\$ 22,628,276
2	Secondary <=10 Kva	952,135,498 per kWh	\$ 0.001478	\$ 1,407,131
3	Secondary > 10 Kva	32,449,323,425 per kWh	\$ 0.000611	\$ 19,822,063
4	Primary	3,800,970,320 per kWh	\$ 0.000559	\$ 2,123,959
5	Transmission - Non-Profit Governmental	1,220,000,000 per kWh	\$ 0.000279	\$ 340,426
6	Transmission - Industrial	18,808,039,829 per kWh	\$ -	\$ -
7	Lighting Service	200,388,677 per kWh	\$ -	\$ -
8				
9	Total	88,524,277,742		\$ 46,321,856

PUBLIC UTILITY COMMISSION OF TEXAS CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC IV-J-7 NUCLEAR DECOMMISSIONING FEE TEST YEAR ENDED 12/31/2018 DOCKET NUMBER PENDING ASSIGNMENT SPONSOR: M. TROXLE
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Line No.	Class	Estimated Billing Units		Charge \$/Kva or \$/kWh	Amount \$
		Kva ³	kWh		
1					
2	Residential		30,532,813,539	\$ 0.000003	\$ 92,594
3					
4	Secondary				
5	=<10 Kva		971,916,131	\$ 0.000002	\$ 2,216
6	>10 Kva	118,252,718		\$ 0.000606	\$ 71,718
7					
8	Primary	12,519,056		\$ 0.000576	\$ 7,213
9					
10	Transmission Voltage	30,691,165		\$ 0.000766	\$ 23,521
11	Lighting		233,655,574	\$ 0.000002	\$ 445
12					
13	TOTAL				\$ 197,708 ¹

²The \$197,708 was allocated to the classes based on the following order per Docket 49082:

Docket 38339		
A&E (4CP)		
	Allocation	Revenue Requirement
22 Residential	46.834%	\$ 92,594
23 Secondary - Small	1.121%	\$ 2,216
24 Secondary - Large	36.275%	\$ 71,718
25 Primary	3.648%	\$ 7,213
26 Transmission Voltage Service	11.897%	\$ 23,521
27 Lighting	0.225%	\$ 445
28 Total	100.000%	\$ 197,708 ²

¹ The total amount shown on this schedule is based on Docket No. 48447, *Application of NRG South Texas LP for Review of the Cost of Decommissioning Units 1 and 2 of the South Texas Project*

³Secondary > 10 Kva and Primary Service are based on "Billing" Kva. Transmission Service is based on 4 CP Kva.

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 DISTRIBUTION COST RECOVERY FACTOR - RIDER DCRF
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

DCRF Docket #48228 Effective 9-1-18

Baseline Values

Description	Residential	Secondary <= 10 KVA	Secondary > 10 KVA	Primary Voltage	Transmission Voltage	Lighting Total	Total Distribution
DIC _{RC Class}	\$1,137,155,220	\$43,846,015	\$775,802,597	\$35,744,261	\$2,866,148	\$177,158,766	\$2,172,578,008
ROR _{AT}	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
DEPR _{RC Class}	\$97,351,387	\$4,677,639	\$61,197,210	\$2,731,220	\$839,460	\$14,778,467	\$181,575,383
FIT _{RC Class}	\$19,357,705	\$716,885	\$13,425,324	\$619,148	\$38,820	\$3,087,314	\$37,244,995
OT _{RC Class}	\$30,621,764	\$1,257,764	\$20,394,558	\$940,907	\$107,128	\$4,372,728	\$57,894,851
DISTREV _{RC Class}	\$228,476,860	\$9,703,771	\$149,012,953	\$6,779,075	\$1,184,892	\$34,768,759	\$427,926,311
ALLOC _{CLASS}	53.0715%	2.1103%	35.1158%	1.6447%	0.1383%	7.9193%	100.0000%
Cumulative DCRF Revenue by Class	\$77,395,682	\$3,077,583	\$51,210,379	\$2,398,490	\$201,737	\$11,548,978	\$ 145,832,850
DCRF Distribution Revenue	\$228,476,860	\$9,703,771	\$149,012,953	\$6,779,075	\$1,184,892	\$34,768,759	\$427,926,311
% Growth	22.15%	-17.05%	11.76%	10.13%	5.98%	-10.33%	
Distrev Growth * % Growth	\$50,175,663	(\$1,654,528)	\$17,524,837	\$686,411	\$70,854	(\$3,590,487)	\$63,212,749

Summary of Revenue Requirement by Class

Class	(1) Cumulative DCRF Revenue by Class	(2) (Plus/Minus) Distrev * Growth Adjustment	(3) = (1) + (2) Adjusted Cumulative DCRF Revenues	(4) Alloc _{Class}	(5) = Total (3) * (4) DCRF Revenues	(6) Billing Units	(7) = (5)/(6) Rate (\$)	(8) Units
Residential	\$ 77,395,682	\$ (50,175,663)	\$ 27,220,019	53.07%	\$ 43,847,727	29,513,574,664	0.001486	per kWh
Secondary <= 10	\$ 3,077,583	\$ (1,654,528)	\$ 1,423,055	2.11%	\$ 2,998,573	928,256,194	0.001878	per kWh
Secondary > 10	\$ 51,210,379	\$ (17,524,837)	\$ 33,685,542	35.12%	\$ 29,012,714	116,423,346	0.249200	per Billing kVa
Primary	\$ 2,398,490	\$ (686,411)	\$ 1,712,079	1.64%	\$ 1,358,840	12,059,474	0.112678	per Billing kVa
Transmission	\$ 201,737	\$ (70,854)	\$ 130,883	0.14%	\$ 114,292	26,426,924	0.004325	per 4CP kVa
Lighting	\$ 11,548,978	\$ 3,590,487	\$ 15,139,465	7.92%	\$ 6,542,955	267,155,948	0.024491	per kWh
Total	\$ 145,832,850	\$ (63,212,749)	\$ 82,620,101	100.00%	\$ 82,620,101			

Summary of Revenue Requirement by Class (Effective Sept 2018 - Feb 2019) - Settlement

Class	(1) Cumulative DCRF Revenue by Class	(2) (Plus/Minus) Distrev * Growth Adjustment	(3) = (1) + (2) (Plus/Minus) Customer Adjustment	(4) Adjusted Cumulative DCRF Revenues	(5) = Total (3) * (4) Alloc _{Class}	(6) Net DCRF Revenues	(7) Settlement TCJA Deferral	(8) Unprotected EDIT	(9) DCRF	(10) Billing Units	(11) = (9)/(10) Rate (\$)	(12) Units
Residential	\$ -	\$ -	\$ -	\$ -	53.07%	\$ 22,502,342	\$ (10,614,900)	\$ (10,200,369)	\$ 48,317,011	29,513,574,664	0.000762	per kWh
Secondary <= 10	\$ -	\$ -	\$ -	\$ -	2.11%	\$ 894,789	\$ (422,070)	\$ (405,610)	\$ 1,722,469	928,256,194	0.000964	per kWh
Secondary > 10	\$ -	\$ -	\$ -	\$ -	35.12%	\$ 14,889,119	\$ (7,023,161)	\$ (6,749,275)	\$ 28,661,555	116,423,346	0.127888	per Billing kVa
Primary	\$ -	\$ -	\$ -	\$ -	1.64%	\$ 697,347	\$ (328,937)	\$ (316,109)	\$ 1,342,393	12,059,474	0.057826	per Billing kVa
Transmission	\$ -	\$ -	\$ -	\$ -	0.14%	\$ 58,654	\$ (27,667)	\$ (26,588)	\$ 112,909	26,426,924	0.002215	per 4CP kVa
Lighting	\$ -	\$ -	\$ -	\$ -	7.92%	\$ 3,357,798	\$ (1,583,865)	\$ (1,522,098)	\$ 6,463,762	267,155,948	0.012569	per kWh
Total	\$ -	\$ -	\$ -	\$ 42,400,049	100.00%	\$ 42,400,049	\$ (20,000,000)	\$ (19,220,050)	\$ 81,620,099			

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTREPOINT ENERGY HOLDING ELECTRIC, LLC
 N-47 Deregulation Cost Recovery Factor - RDRR DCRF
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING AB310001XKT
 SPRINGRICK, N. TEXAS

DCRF Docket #48226 Effective 9-1-16

September 2018 - Feb 2019 Revenue Requirement		Settlement		Unprotected		DCRF	
	Net DCRF Revenue	DCRF Deferral	EDT	DCRF			
Residential	\$ 9,741,905	\$ (4,595,239)	\$ (4,416,030)	\$ 18,725,168			
Secondary <= 10	\$ 441,223	\$ (208,124)	\$ (200,000)	\$ 849,354			
Secondary > 10	\$ 7,297,289	\$ (3,489,289)	\$ (3,353,210)	\$ 14,289,783			
Primary	\$ 348,296	\$ (164,290)	\$ (157,483)	\$ 670,489			
Transmission	\$ 29,332	\$ (13,896)	\$ (13,296)	\$ 58,465			
Lighting	\$ 1,721,551	\$ (812,051)	\$ (790,343)	\$ 3,313,986			
Total	\$ 19,679,596	\$ (9,262,818)	\$ (8,920,811)	\$ 37,489,224			

October 2018 TCA Deferral True-up (Effective March 2019 - August 2019)		True-up		Settlement		Total		Unprotected		DCRF		Billing	
	Net DCRF Revenue	TCA Deferral	DCRF Deferral	DCRF Deferral	EDT	DCRF	Units	Rate (\$)	Units				
Residential	\$ 10,965,735	\$ (1,794,703)	\$ (6,015,067)	\$ (7,813,770)	\$ (5,794,339)	\$ 24,569,843	16,736,307,554	0.000655 per kWh					
Secondary <= 10	\$ 382,201	\$ (71,969)	\$ (213,946)	\$ (285,911)	\$ (205,603)	\$ 873,115	470,530,512	0.000812 per kWh					
Secondary > 10	\$ 6,304,529	\$ (1,181,500)	\$ (3,533,878)	\$ (4,721,378)	\$ (3,396,053)	\$ 14,401,772	58,581,295	0.107617 per kWh					
Primary	\$ 293,434	\$ (55,618)	\$ (164,647)	\$ (220,265)	\$ (134,228)	\$ 671,924	6,036,274	0.048612 per kWh					
Transmission	\$ 24,643	\$ (4,678)	\$ (13,831)	\$ (18,509)	\$ (13,291)	\$ 56,444	13,211,007	0.001845 per kWh					
Lighting	\$ 1,358,442	\$ (257,805)	\$ (771,814)	\$ (1,029,619)	\$ (741,715)	\$ 3,149,776	130,184,466	0.010512 per kWh					
Total	\$ 19,338,784	\$ (3,381,659)	\$ (10,717,182)	\$ (14,098,852)	\$ (10,292,239)	\$ 43,736,875							

Annual Totals \$ 39,018,380 \$ (3,381,659) \$ (20,000,000) \$ (23,381,659) \$ (19,220,050) \$ 81,620,999

Check Totals - \$ - \$ - \$ - \$ - \$ - \$ -

Settlement Revenue Required Filed \$ 145,832,850
 Less Load Adjustment \$ (63,212,749)
 Adjusted Revenue Requirement Filed \$ 82,620,101
 Less TCA Deferral \$ (20,000,000)
 Less Unprotected EDT \$ (19,220,050)
 Less DCRF Adjustments \$ (1,000,002)
 Settlement \$ 42,400,049

TCA Deferral True-up Amount Programmed \$ (20,000,000) Settlement Docket 48226
 Final Amount \$ (23,381,659) W/P Schedule J/3
 Reconciling Amount \$ (3,381,659) True-up Amount
 \$ 39,018,380

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 DISTRIBUTION COST RECOVERY FACTOR - RIDER DCRF
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	RATE CLASS	ESTIMATED UNITS	CURRENT		PROPOSED	
			*DCRF FACTOR	REVENUE	DCRF FACTOR	REVENUE
1						
2	Residential	29,154,975,651 per kWh	\$ 0.000655	\$ 19,102,524.87	\$ -	\$ -
3	Secondary <= 10	918,291,641 per kWh	\$ 0.000812	\$ 745,807.27	\$ -	\$ -
4	Secondary > 10	82,033,303 per Billing kVa	\$ 0.107617	\$ 8,828,158.10	\$ -	\$ -
5	Primary	13,460,975 per Billing kVa	\$ 0.048612	\$ 654,361.39	\$ -	\$ -
6	Transmission	29,796,612 per 4CP kVa	\$ 0.001865	\$ 55,561.76	\$ -	\$ -
7	Lighting	247,614,868 per kWh	\$ 0.010512	\$ 2,602,818.26	\$ -	\$ -
8						
9	TOTAL			\$ 31,989,351.64	\$ -	\$ -

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
IV-J-7 DISTRIBUTION COST RECOVERY FACTOR - RIDER DCRF
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TROXLE

**PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 COMPETITIVE METERING CREDIT- RIDER CMC
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE**

	BILLING UNITS	CURRENT		PROPOSED ¹		
		UNIT PRICE	REVENUE	UNIT PRICE	REVENUE	
Secondary > 10 kVA	0	Bills	\$1.32	\$0.00	11.33	\$0.00
Primary:	0	Bills	\$2.14	\$0.00	\$10.72	\$0.00
Transmission	0	Bills	\$21.80	\$0.00	\$15.38	\$0.00
Total				\$0.00		\$0.00

¹ House Bill No. 2129, SECTION 7, amended Section 39.107 of the Utilities Code to only allow competitive metering to commercial and industrial customers required by ERCOT to have a IDR Meter (i.e. loads greater than 700 kVA).

**PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 COMPETITION TRANSITION CHARGES - RIDER CTC
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE**

This Rider is Not Applicable.

COMPETITION TRANSITION CHARGE - RIDER CTC

Class	Estimated Billing Units		Charge	\$
	kW	kWh	\$/kW or \$/kWh	
Residential				
Secondary				
=<10 kW				
>10 kW				
Primary				
Lighting Service				
Transmission Voltage				
Instantaneous Interruptible				
Noticed Interruptible				
TOTAL				

****The \$0 was allocated to the classes based on the following order:**

Residential	0.00000%
Secondary	0.00000%
Primary	0.00000%
Transmission Voltage Service	0.00000%
Lighting Service	0.00000%
Instantaneous Interruptible	0.00000%
Noticed Interruptible	0.00000%
Total	0.00000%

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 RATE CASE EXPENSES - RIDER RCE
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	Class	Estimated Billing Units		RCE		Amount \$
		Kva or 4CP	kWh	Charges	Units	
1						
2	Residential		29,154,975,651	\$ -	\$ / kWh	\$ -
3						
4	Secondary					
5	=<10 Kva		918,291,641	\$ -	\$ / kWh	\$ -
6	>10 Kva	82,033,303		\$ -	\$ / Billing Kva	\$ -
7						
8	Primary	13,460,975		\$ -	\$ / Billing Kva	\$ -
9						
10	Transmission	29,796,612		\$ -	\$ / 4CP Kva	\$ -
11						
12	Street Lighting		204,275,174	\$ -	\$ / kWh	\$ -
13	Miscellaneous Lighting		48,990,596	\$ -	\$ / kWh	\$ -
14						
15	TOTAL					\$ -
16						
17						
18						
19	RCE is allocated to the classes based on the following:		TOTCOS			
20			Factor Allocation			
21			RCE Allocator	Initial Amounts		
22	Residential		53.332%	\$ -		
23	Secondary					
24	=<10 Kva		1.347%	\$ -		
25	>10 Kva		32.413%	\$ -		
26	Primary		3.064%	\$ -		
27	Transmission Voltage Service		7.145%	\$ -		
28	Street Lighting		2.564%	\$ -		
29	Miscellaneous Lighting		0.136%	\$ -		
30	Total		100.000%	\$ -		
31						
32				\$ -	From II-E 4.1.1 Schedule	
33				\$ -	From II-E 4.6 Schedule	
34				\$ -		
35						
36				\$ -	3 Year Recovery	
37						
38						
39	TOTCOS (Total Cost of Service) Allocation		TOTCOS	Allocation Factors		
40	Residential		\$1,254,368	53.33%		
41	Secondary					
42	=<10 Kva		\$31,683	1.35%		
43	>10 Kva		\$762,351	32.41%		
44	Primary		\$72,056	3.06%		
45	Transmission Voltage Service		\$168,060	7.15%		
46	Street Lighting		\$60,298	2.56%		
47	Miscellaneous Lighting		\$3,197	0.14%		
			\$2,352,012	100.00%		

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 FRANCHISE FEE CREDIT
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

	FRANCHISE FEE IN BASE RATES	CURRENT			PROPOSED		
		BILLING UNITS	UNIT PRICE	REVENUE	BILLING UNITS	UNIT PRICE	REVENUE
Residential	\$51,688,490	29,154,975,651 kWh	(\$0.001839)	\$ (53,616,000)	29,154,975,651 kWh	\$ (0.001773)	\$ (51,691,772)
Secondary <=10 kVA	\$1,890,296	918,291,641 kWh	(\$0.002161)	\$ (1,984,428)	918,291,641 kWh	\$ (0.002058)	\$ (1,889,844)
Secondary > 10 kVA	\$73,587,871	82,033,303 Billing kVA	(\$0.690362)	\$ (56,632,675)	82,033,303 Billing kVA	\$ (0.897049)	\$ (73,587,892)
Primary	\$7,908,138	13,460,975 Billing kVA	(\$0.699012)	\$ (9,409,383)	13,460,975 Billing kVA	\$ (0.587486)	\$ (7,908,134)
Transmission	\$17,727,611	22,731,603,798 kWh	(\$0.000725)	\$ (16,480,413)	22,731,603,798 kWh	\$ (0.000779)	\$ (17,707,919)
SLS	\$326,399	204,275,174 kWh	(\$0.002168)	\$ (442,869)	204,275,174 kWh	\$ (0.001597)	\$ (326,227)
MLS	\$116,195	48,990,596 kWh	(\$0.002343)	\$ (114,785)	48,990,596 kWh	\$ (0.002372)	\$ (116,206)
TOTAL	\$ 153,245,000	53,153,631,137 kWh		\$ (138,680,553)			\$ (153,227,995)

INCREASE/DECREASE	10.49%
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PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-7 UNPROTECTED EXCESS DEFERRED INCOME TAX - UEDIT RIDER
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

Line No.	Class	Estimated Billing Units		TAX		Amount \$
		Kva or 4CP	kWh	Charges	Units	
1						
2	Residential		29,154,975,651	\$ (0.000725)	\$ / kWh	\$ (21,148,160)
3						
4	Secondary					
5	=<10 Kva		918,291,641	\$ (0.000582)	\$ / kWh	\$ (534,163)
6	>10 Kva	82,033,303		\$ (0.156680)	\$ / Billing Kva	\$ (12,852,943)
7						
8	Primary	13,460,975		\$ (0.090248)	\$ / Billing Kva	\$ (1,214,832)
9						
10	Transmission	29,796,612		\$ (0.095092)	\$ / 4CP Kva	\$ (2,833,419)
11						
12	Street Lighting		204,275,174	\$ (0.004977)	\$ / kWh	\$ (1,016,606)
13	Miscellaneous Lighting		48,990,596	\$ (0.001100)	\$ / kWh	\$ (53,900)
14						
15	TOTAL					\$ (39,654,023)

UEDIT is allocated to the classes based on the following:

	TOTCOS		
	Factor Allocation UEDIT Allocator	Initial Amounts	
22 Residential	53.33%	\$ (21,148,160)	
23 Secondary			
24 =<10 Kva	1.35%	\$ (534,163)	
25 >10 Kva	32.41%	\$ (12,852,943)	
26 Primary	3.06%	\$ (1,214,832)	
27 Transmission Voltage Service	7.15%	\$ (2,833,419)	
28 Street Lighting	2.56%	\$ (1,016,606)	
29 Miscellaneous Lighting	0.14%	\$ (53,900)	
30 Total	100.00%	\$ (39,654,023)	
31		\$ (118,962,069)	From EDIT Rider Schedule
32		\$ (39,654,023)	3 Yr Refund

TOTCOS (Total Cost of Service) Allocation	TOTCOS	Allocation Factors
38 Residential	\$1,254,368	53.33%
39 Secondary		
40 =<10 Kva	\$31,683	1.35%
41 >10 Kva	\$762,351	32.41%
42 Primary	\$72,056	3.06%
43 Transmission Voltage Service	\$168,060	7.15%
44 Street Lighting	\$60,298	2.56%
45 Miscellaneous Lighting	\$3,197	0.14%
	\$2,352,012	100.00%

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
IV-J-7 WHOLESALE RATE
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TROXLE

<u>Item</u>	<u>Ref</u>	<u>Cost (\$/KW)</u>
CNP Annual Transmission Access Fee	III-A TCOS	\$ 5.684962
Monthly WTS Rate		<u>\$ 0.473747</u>

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 IV-J-8 RATE DESIGN ANALYSIS DATA
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TROXLE

This schedule is not applicable. CenterPoint does not have tariffs defined for on-peak or off-peak periods.

Rate Class.

Voltage Level:

(a) (b) (c) (d)
 OFF PEAK ON PEAK . .

Line No	Month	KW	KWH	KW	KWH
1	January				
2	February				
3	March				
4	April				
5	May				
6	June				
7	July				
8	August				
9	September				
10	October				
11	November				
12	December				

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**PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 V-K-1 AFFILIATE EXPENSES BY FERC ACCOUNT
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TOWNSEND
 (THOUSANDS OF DOLLARS)**

Line No.	Functional Area	FERC Account											
		1070	1810	1823	1860	4081	4190	4261	4264	4265	4300	5600	5611
1	Business & Operations Support	193	-	-	-	-	-	-	-	3	-	70	-
2	Communications	-	-	-	-	-	-	-	-	-	-	-	-
3	Community Relations	-	-	-	-	-	-	3,142	-	-	-	-	-
4	Customer Operations	514	-	-	-	-	-	-	-	-	-	-	-
5	Data Circuit Management	-	-	-	-	-	-	-	-	-	-	-	-
6	Distribution Support	1,721	-	-	-	-	-	-	-	-	-	3	-
7	Distribution Support - General	-	-	-	-	-	-	-	-	-	-	(4)	-
8	Distribution Support - Surveying	(62)	-	-	-	-	-	-	-	-	-	(305)	-
9	Distribution Support-GIS Business Solutions	-	-	-	-	-	-	-	-	-	-	-	-
10	Distribution Support-GIS Data Management	-	-	-	-	-	-	-	-	-	-	-	-
11	Distribution Support-GIS Land Base Data Management	-	-	-	-	-	-	-	-	-	-	-	-
12	Distribution Support-GIS Programming	-	-	-	-	-	-	-	-	-	-	(39)	-
13	Distribution Support-GIS System Administration	-	-	-	-	-	-	-	-	-	-	(103)	-
14	Distribution Support-Joint Trenching	-	-	-	-	-	-	-	-	-	-	-	-
15	Distribution Support-Meter & House Regulators	-	-	-	-	-	-	-	-	-	-	-	-
16	Executive Management	-	-	-	-	-	-	-	-	137	-	-	-
17	Finance	497	836	400	-	-	-	-	-	48	-	-	-
18	Government Affairs	-	-	-	-	-	-	1	4,868	-	-	-	-
19	Human Resources	-	-	-	-	-	-	-	-	2	-	-	-
20	Integration Support	-	-	-	-	-	-	-	-	(886)	-	-	-
21	Legal	412	70	540	-	-	-	-	1	3	-	-	-
22	Meter Reading	-	-	-	-	-	-	-	-	-	-	-	-
23	Pass Through	135	-	-	-	709	(839)	-	-	87	1,191	102	-
24	Properties	-	-	-	-	-	-	-	-	-	-	(1)	-
25	Radio and Communications Support	-	-	-	-	-	-	-	-	-	-	-	-
26	Reg Ops - EST	-	-	-	-	-	-	-	-	1	-	-	-
27	Regulated Operations	-	-	-	-	-	-	-	-	9	-	-	-
28	Regulatory	-	-	(80)	-	-	-	-	893	1	-	-	-
29	Technology Operations	42,226	-	-	-	-	-	-	-	1	-	9,765	-
30	Transmission	-	-	-	-	-	-	-	-	-	-	(1)	-
31	Transportation	6	-	-	-	-	-	-	-	-	-	(91)	-
33	TOTAL	45,642	906	860	-	709	(839)	3,143	5,762	(594)	1,191	9,396	-

**PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-1 AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
(THOUSANDS OF DOLLARS)**

Line No.	Functional Area	FERC Account											
		12 5612	13 5613	14 5614	15 5615	16 5617	17 5620	18 5630	19 5640	20 5660	21 5690	22 5700	23 5710
1	Business & Operations Support	-	-	-	-	-	70	70	70	-	-	70	139
2	Communications	-	-	-	-	-	-	-	-	-	-	-	-
3	Community Relations	-	-	-	-	-	-	-	-	-	-	-	-
4	Customer Operations	-	-	-	-	-	-	-	-	-	-	-	-
5	Data Circuit Management	-	-	-	-	-	-	-	-	-	-	-	-
6	Distribution Support	-	-	-	-	-	-	-	-	(4)	(2)	(6)	-
7	Distribution Support - General	-	-	-	-	-	-	-	-	-	-	-	-
8	Distribution Support - Surveying	-	-	-	-	-	(305)	(305)	(305)	-	-	(305)	(609)
9	Distribution Support-GIS Business Solutions	-	-	-	-	-	-	-	-	-	-	-	-
10	Distribution Support-GIS Data Management	-	-	-	-	-	-	-	-	-	-	-	-
11	Distribution Support-GIS Land Base Data Management	-	-	-	-	-	-	(12)	-	-	-	-	-
12	Distribution Support-GIS Programming	-	-	-	-	-	(39)	(39)	(39)	-	-	(39)	(78)
13	Distribution Support-GIS System Administration	-	-	-	-	-	(103)	(103)	(103)	-	-	(103)	(206)
14	Distribution Support-Joint Trenching	-	-	-	-	-	-	-	-	-	-	-	-
15	Distribution Support-Meter & House Regulators	-	-	-	-	-	-	-	-	-	-	-	-
16	Executive Management	-	-	-	-	-	-	-	-	-	-	-	-
17	Finance	-	-	-	-	-	-	-	-	-	-	-	-
18	Government Affairs	-	-	-	-	-	-	-	-	-	-	-	-
19	Human Resources	-	-	-	-	-	-	-	-	-	-	-	-
20	Integration Support	-	-	-	-	-	-	-	-	-	-	-	-
21	Legal	-	-	-	-	-	-	-	-	-	-	-	-
22	Meter Reading	-	-	-	-	-	-	-	-	-	-	-	-
23	Pass Through	27	(1)	22	3	1	65	73	63	15	4	75	(147)
24	Properties	-	-	-	-	-	(1)	(1)	(1)	-	-	(1)	(3)
25	Radio and Communications Support	-	-	-	-	-	-	-	-	-	-	-	-
26	Reg Ops - EST	-	-	-	-	-	-	-	-	-	-	-	-
27	Regulated Operations	-	-	-	-	-	-	-	-	-	-	-	-
28	Regulatory	-	-	-	-	-	-	-	-	-	-	-	-
29	Technology Operations	-	-	-	-	-	-	-	-	-	-	-	-
30	Transmission	-	-	-	-	-	-	-	-	(1)	-	-	(1)
31	Transportation	-	-	-	-	-	(91)	(91)	(91)	-	-	(91)	(181)
33	TOTAL	27	(1)	22	3	1	(404)	(408)	(406)	10	2	(400)	(1,086)

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-1 AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
 (THOUSANDS OF DOLLARS)

Line No.	Functional Area	24	25	26	27	28	29	30	31	32	33	34	35
		FERC Account											
		5720	5730	5800	5810	5820	5830	5840	5850	5860	5870	5880	5900
1	Business & Operations Support	70	-	70	-	70	139	139	139	69	69	-	-
2	Communications	-	-	-	-	-	-	-	-	-	-	-	-
3	Community Relations	-	-	-	-	-	-	-	-	-	-	-	-
4	Customer Operations	-	-	-	-	-	-	-	-	-	-	-	-
5	Data Circuit Management	-	-	-	-	-	-	-	-	-	-	-	-
6	Distribution Support	-	-	6	-	(2)	1	5,831	1	(100)	-	(131)	12
7	Distribution Support - General	-	-	(12)	-	-	(3)	-	-	(2)	(1)	(1)	(19)
8	Distribution Support - Surveying	(305)	-	(305)	-	(305)	(609)	(609)	(609)	(304)	(304)	-	-
9	Distribution Support-GIS Business Solutions	-	-	-	-	-	-	-	-	-	-	-	-
10	Distribution Support-GIS Data Management	-	-	-	-	-	-	-	-	-	-	(5,129)	-
11	Distribution Support-GIS Land Base Data Management	-	-	-	-	-	(228)	-	-	-	-	-	-
12	Distribution Support-GIS Programming	(39)	-	(39)	-	(39)	(78)	(78)	(78)	(39)	(39)	-	-
13	Distribution Support-GIS System Administration	(103)	-	(103)	-	(103)	(206)	(206)	(207)	(103)	(103)	-	-
14	Distribution Support-Joint Trenching	-	-	-	-	-	-	-	-	-	-	-	-
15	Distribution Support-Meter & House Regulators	-	-	-	-	-	-	(10)	-	-	-	-	-
16	Executive Management	-	-	-	-	-	-	-	-	-	-	-	-
17	Finance	-	-	-	-	-	-	-	-	14	-	-	-
18	Government Affairs	-	-	-	-	-	-	-	-	-	-	-	-
19	Human Resources	-	-	-	-	-	-	-	-	-	-	-	-
20	Integration Support	-	-	-	-	-	(10)	-	-	-	-	(9)	-
21	Legal	-	-	-	-	-	-	-	-	-	-	-	-
22	Meter Reading	-	-	-	-	-	-	-	-	-	-	-	-
23	Pass Through	63	2	186	24	71	175	176	129	322	76	342	67
24	Properties	(2)	-	(2)	-	(2)	(3)	(3)	(3)	(1)	(1)	(52)	-
25	Radio and Communications Support	-	-	-	-	-	-	-	-	-	-	(111)	-
26	Reg Ops - EST	-	-	-	-	-	-	-	-	-	-	-	-
27	Regulated Operations	-	-	-	-	-	-	-	-	-	-	-	-
28	Regulatory	-	-	-	-	-	-	-	-	-	-	-	-
29	Technology Operations	-	-	42,503	-	-	-	-	-	-	-	-	-
30	Transmission	-	-	(1)	-	-	-	-	-	-	-	-	-
31	Transportation	(90)	-	(89)	-	(90)	(181)	(188)	(181)	(90)	(91)	-	-
33	TOTAL	(406)	2	42,214	24	(400)	(1,003)	5,052	(809)	(234)	(394)	(5,091)	60

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-1 AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
 (THOUSANDS OF DOLLARS)

Line No.	Functional Area	36	37	38	39	40	41	42	43	44	45	46	47
		FERC Account											
		5910	5920	5930	5940	5960	5970	5980	9020	9030	9070	9080	9090
1	Business & Operations Support	-	-	69	-	-	69	-	-	-	-	-	-
2	Communications	-	-	-	-	-	-	-	-	-	-	-	-
3	Community Relations	-	-	-	-	-	-	-	-	-	-	-	-
4	Customer Operations	-	-	-	-	-	-	-	-	9,564	-	3	3,674
5	Data Circuit Management	-	-	-	-	-	-	-	-	-	-	-	-
6	Distribution Support	(1)	(13)	-	-	-	-	-	121	-	-	13	-
7	Distribution Support - General	-	-	(6)	(1)	-	-	-	-	(1)	-	-	-
8	Distribution Support - Surveying	-	-	(304)	-	-	(304)	-	-	-	-	-	-
9	Distribution Support-GIS Business Solutions	-	-	-	-	-	(39)	-	-	-	-	-	-
10	Distribution Support-GIS Data Management	-	-	-	-	-	-	-	-	-	-	-	-
11	Distribution Support-GIS Land Base Data Management	-	-	-	-	-	-	-	-	-	-	-	-
12	Distribution Support-GIS Programming	-	-	(39)	-	-	(39)	-	-	-	-	-	-
13	Distribution Support-GIS System Administration	-	-	(103)	-	-	(103)	-	-	-	-	-	-
14	Distribution Support-Joint Trenching	-	-	-	(45)	-	-	-	-	-	-	-	-
15	Distribution Support-Meter & House Regulators	-	-	-	-	-	-	-	-	-	-	-	-
16	Executive Management	-	-	-	-	-	-	-	-	-	-	-	-
17	Finance	-	-	-	-	-	-	-	-	123	-	-	-
18	Government Affairs	-	-	-	-	-	-	-	-	-	-	-	-
19	Human Resources	-	-	167	-	-	-	-	-	-	-	-	-
20	Integration Support	-	-	(18)	(7)	-	-	-	-	-	-	-	-
21	Legal	-	-	-	-	-	-	-	-	-	-	-	-
22	Meter Reading	-	-	-	-	-	-	-	31	-	-	-	-
23	Pass Through	2	381	(5,018)	295	12	63	1	7	60	9	460	1
24	Properties	-	-	(1)	-	-	(1)	-	-	-	-	-	-
25	Radio and Communications Support	-	-	-	-	-	-	-	-	-	-	-	-
26	Reg Ops - EST	-	-	-	-	-	-	-	-	-	-	-	-
27	Regulated Operations	-	-	-	-	-	-	-	-	-	-	-	-
28	Regulatory	-	-	-	-	-	-	-	-	-	-	-	-
29	Technology Operations	-	-	-	-	-	-	-	715	11,724	-	-	-
30	Transmission	-	-	-	-	-	-	-	-	-	-	-	-
31	Transportation	-	-	(90)	-	-	(91)	-	-	1	-	-	-
33	TOTAL	1	368	(5,343)	242	12	(406)	1	874	21,471	9	476	3,675

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-1 AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
(THOUSANDS OF DOLLARS)

Line No.	Functional Area	FERC Account										Total
		48 9100	49 9200	50 9210	51 9240	52 9250	53 9260	54 9301	55 9302	56 9310	57 9350	
1	Business & Operations Support	-	-	989	-	-	-	-	3,817	-	1,338	7,732
2	Communications	-	-	-	-	-	-	-	1,692	-	-	1,692
3	Community Relations	-	-	-	-	-	-	-	3,377	-	-	6,519
4	Customer Operations	-	-	-	-	2,097	-	-	1,147	-	-	16,999
5	Data Circuit Management	-	-	-	-	-	-	-	(551)	-	-	(551)
6	Distribution Support	-	-	-	-	(1,145)	-	-	170	-	-	6,475
7	Distribution Support - General	-	-	-	-	-	-	-	-	-	-	(50)
8	Distribution Support - Surveying	-	-	-	-	-	-	-	-	-	-	(6,154)
9	Distribution Support-GIS Business Solutions	-	-	-	-	-	-	-	(424)	-	-	(424)
10	Distribution Support-GIS Data Management	-	-	-	-	-	-	-	-	-	-	(5,129)
11	Distribution Support-GIS I.and Base Data Management	-	-	-	-	-	-	-	-	-	-	(240)
12	Distribution Support-GIS Programming	-	-	-	-	-	-	-	-	-	-	(780)
13	Distribution Support-GIS System Administration	-	-	-	-	-	-	-	-	-	-	(2,061)
14	Distribution Support-Joint Trenching	-	-	-	-	-	-	-	-	-	-	(45)
15	Distribution Support-Meter & House Regulators	-	-	-	-	-	-	-	-	-	-	(10)
16	Executive Management	-	-	-	-	-	-	-	2,912	-	-	3,049
17	Finance	-	-	-	-	-	-	-	29,606	-	-	31,524
18	Government Affairs	-	-	-	-	-	-	-	254	-	-	5,123
19	Human Resources	-	-	-	-	-	-	-	20,873	-	-	21,042
20	Integration Support	-	-	-	-	-	-	-	-	-	-	(930)
21	Legal	-	-	-	-	-	-	-	11,856	-	-	12,882
22	Meter Reading	-	-	-	-	-	-	-	-	-	-	31
23	Pass Through	18	810	29	4	(2)	67,034	19	(1,032)	(55)	41	66,357
24	Properties	-	-	-	-	-	-	-	-	11,007	-	10,928
25	Radio and Communications Support	-	-	-	-	-	-	-	-	-	-	(111)
26	Reg Ops - EST	-	-	-	-	-	-	-	662	-	-	663
27	Regulated Operations	-	-	-	-	-	-	-	5,303	-	-	5,312
28	Regulatory	-	-	-	-	-	-	-	8,265	-	-	9,079
29	Technology Operations	-	-	-	-	-	-	-	29,790	-	-	136,724
30	Transmission	-	-	-	-	-	-	-	-	-	-	(4)
31	Transportation	-	-	-	-	-	-	-	-	-	-	(1,810)
33	TOTAL	18	810	1,018	4	950	67,034	19	117,717	10,952	1,379	323,832

PUBLIC UTILITY COMMISSION OF TEXAS
 CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
 V-K-2 ADJUSTED AFFILIATE EXPENSES BY FERC ACCOUNT
 TEST YEAR ENDED 12/31/2018
 DOCKET NUMBER PENDING ASSIGNMENT
 SPONSOR: M. TOWNSEND
 (THOUSANDS OF DOLLARS)

Line No	Affiliate	FERC Account															
		1070	1810	1823	1860	4081	4190	4261	4264	4285	4300	5600	5611	5612	5613	5614	5615
1	0002 - CNP Service Company, LLC	46,081	906	860	-	-	(131)	3,143	5,761	289	-	9,888	-	24	(1)	16	3
2	0016 - CNP Resources Corp.	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	0056 - CNP Properties, Inc.	(60)	-	-	-	709	-	-	-	-	-	-	-	2	-	6	-
4	0062 - CenterPoint Energy Arkla	(68)	-	-	-	-	-	-	-	-	-	(27)	-	-	-	-	-
5	0072 - CNP Minnesota Gas	92	-	-	-	-	-	-	-	-	-	(41)	-	-	-	-	-
6	0077 - CNP Services, Inc	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	0080 - CNP Intrastate Pipeline LLC	1	-	-	-	-	-	-	-	-	-	(4)	-	-	-	-	-
8	0082 - CenterPoint Energy Entex	(291)	-	-	-	-	145	-	-	4	-	(420)	-	1	-	-	-
9	0086 - CNP Mobile Energy Solutions, Inc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	0299 - CenterPoint Energy, Inc.	-	-	-	-	-	-	-	-	(887)	82	4	-	-	-	-	-
11	0354 - CNP Service Co Money Pool Division	-	-	-	-	-	(853)	-	-	-	1,109	-	-	-	-	-	-
12	0413 - CNP Electric Services, LLC	(150)	-	-	-	-	-	-	-	-	-	(1)	-	-	-	-	-
13	TOTAL	45,615	906	860	-	709	(839)	3,143	5,761	(594)	1,191	9,399	-	27	(1)	22	3

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-2 ADJUSTED AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
(THOUSANDS OF DOLLARS)

Line No.	Affiliate	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		FERC Account														
		5617	5620	5630	5640	5660	5680	5700	5710	5720	5730	5800	5810	5820	5830	5840
1	0002 - CNP Service Company, LLC	1	91	99	89	14	4	101	200	89	2	42,701	20	97	215	228
2	0016 - CNP Resources Corp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	0056 - CNP Properties, Inc.	-	-	-	-	(2)	(1)	(1)	-	-	-	-	3	-	(1)	(1)
4	0062 - CenterPoint Energy Arkla	-	(27)	(28)	(26)	-	-	(26)	(54)	(27)	-	(27)	-	(26)	(73)	(57)
5	0072 - CNP Minnesota Gas	-	(41)	(44)	(42)	-	-	(42)	(83)	(41)	-	(41)	-	(42)	(133)	(84)
6	0077 - CNP Services, Inc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	0080 - CNP Intrastate Pipeline LLC	-	(3)	(3)	(3)	-	-	(4)	(7)	(4)	-	(3)	-	(4)	(7)	(7)
8	0082 - CenterPoint Energy Entex	-	(423)	(431)	(423)	-	-	(424)	(1,142)	(423)	-	(414)	1	(423)	(1,004)	4,973
9	0086 - CNP Mobile Energy Solutions, Inc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	0299 - CenterPoint Energy, Inc.	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-
11	0354 - CNP Service Co Money Pool Division	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	0413 - CNP Electric Services, LLC	-	-	-	-	(2)	(1)	(2)	-	-	-	(5)	-	-	-	-
13	TOTAL	1	(403)	(407)	(405)	10	2	(398)	(1,086)	(406)	2	42,239	24	(398)	(1,003)	5,052

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-2 ADJUSTED AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
(THOUSANDS OF DOLLARS)

Line No.	Affiliate	FERC Account														
		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
		5850	5860	5870	5880	5900	5910	5920	5930	5940	5960	5970	5980	9020	9030	9070
1	0002 - CNP Service Company, LLC	181	257	101	364	47	2	31	437	64	12	89	1	719	21,462	9
2	0016 - CNP Resources Corp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	0056 - CNP Properties, Inc.	(1)	(1)	-	(60)	-	(1)	(3)	(1)	-	-	-	-	-	-	-
4	0062 - CenterPoint Energy Arkla	(53)	(27)	(27)	(2,095)	-	-	-	(28)	-	-	(27)	-	-	-	-
5	0072 - CNP Minnesota Gas	(63)	(42)	(41)	(364)	-	-	2	(40)	4	-	(41)	-	-	-	-
6	0077 - CNP Services, Inc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	0080 - CNP Intrastate Pipeline LLC	(7)	(5)	(4)	-	-	-	-	(3)	-	-	(4)	-	-	-	-
8	0082 - CenterPoint Energy Entex	(846)	(416)	(423)	(2,865)	14	-	344	(5,706)	174	1	(423)	-	155	8	-
9	0086 - CNP Mobile Energy Solutions, Inc.	-	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-
10	0299 - CenterPoint Energy, Inc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	0354 - CNP Service Co Money Pool Division	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	0413 - CNP Electric Services, LLC	-	-	-	(69)	(1)	(1)	(4)	-	-	-	-	-	-	-	-
13	TOTAL	(809)	(234)	(394)	(5,090)	60	-	370	(5,341)	242	13	(406)	1	874	21,470	9

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-2 ADJUSTED AFFILIATE EXPENSES BY FERC ACCOUNT
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
(THOUSANDS OF DOLLARS)

Line No.	Affiliate	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
		FERC Account											Per Books	Adjustment	Total	
		9080	9090	9100	9200	9210	9240	9250	9260	9301	9302	9310	9350	Total		
1	0002 - CNP Service Company, LLC	470	3,675	18	11	1,008	4	2,225	24,095	19	119,358	11,048	1,379	297,876	5,165	303,041
2	0016 - CNP Resources Corp.	-	-	-	-	-	-	-	-	-	-	-	-	9	-	9
3	0056 - CNP Properties, Inc.	1	-	-	-	-	-	-	-	-	(9)	-	-	579	-	579
4	0062 - CenterPoint Energy Arkla	-	-	-	-	-	-	(217)	-	-	(202)	-	-	(3,142)	(1)	(3,143)
5	0072 - CNP Minnesota Gas	-	-	-	-	-	-	(283)	-	-	(33)	-	-	(1,463)	(2)	(1,465)
6	0077 - CNP Services, Inc.	-	-	-	-	-	-	-	-	-	-	-	-	1	(1)	-
7	0080 - CNP Intrastate Pipeline LLC	-	-	-	-	-	-	-	-	-	(7)	-	-	(78)	-	(78)
8	0082 - CenterPoint Energy Entex	18	-	-	-	10	-	(643)	-	-	(1,389)	(95)	-	(12,776)	19	(12,757)
9	0086 - CNP Mobile Energy Solutions, Inc	-	-	-	-	-	-	-	-	-	-	-	-	(1)	-	(1)
10	0299 - CenterPoint Energy, Inc.	(13)	-	-	799	-	-	(132)	42,939	-	-	-	-	42,820	(33)	42,787
11	0354 - CNP Service Co Money Pool Division	-	-	-	-	-	-	-	-	-	-	-	-	256	-	256
12	0413 - CNP Electric Services, LLC	-	-	-	-	-	-	-	-	-	-	-	-	(236)	5	(231)
13	TOTAL	476	3,675	18	810	1,018	4	950	67,034	19	117,718	10,953	1,379	323,845	5,152	328,997

**PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-4 DESCRIPTION OF SERVICES
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND**

For a description of types of services provided by other affiliates to the utility, please see the following Exhibits to the testimony of Michelle Townsend:

- MMT-2 2018 Corporate Cost Center Manual
- MMT-3 2018 Business Operations Support Cost Center Manual
- MMT-4 2018 Technology Operations Cost Center Manual
- MMT-5 2018 Regulated Operations Management Cost Center Manual
- MMT-6 2018 Houston Electric Cost Allocation Manual
- MMT-7 2018 CERC Cost Allocation Manual

PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-5.1 CAPITAL PROJECTS
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND

1	2	3	4	5	6	7	
Line No.	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount
1	2010	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 2,712.15
2	2010	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 904.04
3	2010	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 2,486.12
4	2010	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 1,582.07
5	2010	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 1,582.07
6	2010	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 3,616.17
7	2010	156226	Customer Solutions	9220	0002	CNP Service Company, LLC	\$ 1,244.54
8	2010	156226	Customer Solutions	9220	0002	CNP Service Company, LLC	\$ 1,918.67
9	2010	156226	Customer Solutions	9220	0002	CNP Service Company, LLC	\$ 21,572.11
10	2010	11032781	CLSD Legal to New HP Campus	9220	0002	CNP Service Company, LLC	\$ 52,816.06
11	2010	11032781	CLSD Legal to New HP Campus	9230	0002	CNP Service Company, LLC	\$ 240,733.46
12	2010	11033003	FPM- ECDC RTO Control Rm Rehab- 56564247	9220	0002	CNP Service Company, LLC	\$ 76,392.18
13	2010	11033025	CLSD Legal to Leveridge Easement	9220	0002	CNP Service Company, LLC	\$ 4,528.11
14	2010	11033025	CLSD Legal to Leveridge Easement	9230	0002	CNP Service Company, LLC	\$ 66,964.41
15	2010	11033220	CLSD Legal to Soccer Stadium	9210	0002	CNP Service Company, LLC	\$ 47.85
16	2010	11033220	CLSD Legal to Soccer Stadium	9220	0002	CNP Service Company, LLC	\$ 7,029.87
17	2010	11033220	CLSD Legal to Soccer Stadium	9230	0002	CNP Service Company, LLC	\$ 156,224.34
18	2010	S/156200/CP/HEB002	EAI - Elec Ops Support	9230	0002	CNP Service Company, LLC	\$ 264,130.00
19	2010	S/156200/CP/HEBM001	EAI License Conversion	1070	0002	CNP Service Company, LLC	\$ 700,000.00
20	2010	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 762,978.95
21	2010	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9220	0002	CNP Service Company, LLC	\$ 446,285.37
22	2010	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9230	0002	CNP Service Company, LLC	\$ 295,937.66
23	2010	S/156200/CP/HED014	Reg Ops Electric Efficiency Projects	1070	0002	CNP Service Company, LLC	\$ 20,812.50
24	2010	S/156200/CP/HED014	Reg Ops Electric Efficiency Projects	9220	0002	CNP Service Company, LLC	-\$ 1,659.60
25	2010	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	0002	CNP Service Company, LLC	\$ 47,640.00
26	2010	S/156200/CP/HED024	BM - Mandated Revenue Changes	9220	0002	CNP Service Company, LLC	\$ 169,213.63
27	2010	S/156200/CP/HED029	Electric DAS & AMM Bridge - Capital	9220	0002	CNP Service Company, LLC	\$ 24,061.29
28	2010	S/156200/CP/HED035	PR - MDSI Enhancements	1070	0002	CNP Service Company, LLC	\$ 190,957.51
29	2010	S/156200/CP/HED035	PR - MDSI Enhancements	9220	0002	CNP Service Company, LLC	\$ 28,935.65
30	2010	S/156200/CP/HED035	PR - MDSI Enhancements	9230	0002	CNP Service Company, LLC	\$ 1,948.50
31	2010	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	0002	CNP Service Company, LLC	\$ 512.78
32	2010	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	0002	CNP Service Company, LLC	\$ 6,640.00
33	2010	S/156200/CP/HED041	SAP Time Keeping/Duet	9220	0002	CNP Service Company, LLC	\$ 40,395.64
34	2010	S/156200/CP/HED042	Drawing Management System	1070	0002	CNP Service Company, LLC	\$ 26,122.27
35	2010	S/156200/CP/HED042	Drawing Management System	9220	0002	CNP Service Company, LLC	\$ 40,327.17
36	2010	S/156200/CP/HED042	Drawing Management System	9230	0002	CNP Service Company, LLC	\$ 430,628.63
37	2010	S/156200/CP/HED043	PowerDB	1070	0002	CNP Service Company, LLC	\$ 187,053.51
38	2010	S/156200/CP/HED043	PowerDB	9220	0002	CNP Service Company, LLC	\$ 58,528.79
39	2010	S/156200/CP/HED047	Oasis System Enhancements	1070	0002	CNP Service Company, LLC	\$ 218,678.75
40	2010	S/156200/CP/HED047	Oasis System Enhancements	9220	0002	CNP Service Company, LLC	\$ 64,767.97
41	2010	S/156200/CP/HED054	Lighthouse Project	1070	0002	CNP Service Company, LLC	\$ 378.58
42	2010	S/156200/CP/HED062	LD Pro Update	1070	0002	CNP Service Company, LLC	\$ 121,382.60
43	2010	S/156200/CP/HED062	LD Pro Update	9220	0002	CNP Service Company, LLC	\$ 2,074.24
44	2010	S/156200/CP/HED062	LD Pro Update	9230	0002	CNP Service Company, LLC	\$ 82,839.51
45	2010	S/156200/CP/HED066	AMS Holding - Capital	1070	0002	CNP Service Company, LLC	\$ 8,000.00
46	2010	S/156200/CP/HED071	AMS - Pulse Overflow	1070	0002	CNP Service Company, LLC	\$ 27,315.00
47	2010	S/156200/CP/HED071	AMS - Pulse Overflow	9220	0002	CNP Service Company, LLC	\$ 10,163.72

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48	2010	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,128,413.69
49	2010	S/156200/CP/HED072	IOSS (AMS)	9220	0002	CNP Service Company, LLC	\$ 589,475.32
50	2010	S/156200/CP/HED072	IOSS (AMS)	9230	0002	CNP Service Company, LLC	\$ 505,876.34
51	2010	S/156200/CP/HED073	SD SOA (AMS)	1070	0002	CNP Service Company, LLC	\$ 14,345.94
52	2010	S/156200/CP/HED073	SD SOA (AMS)	9220	0002	CNP Service Company, LLC	\$ 44,084.90
53	2010	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 845,606.06
54	2010	S/156200/CP/HED074	SD EAI (AMS)	9220	0002	CNP Service Company, LLC	\$ 681,949.43
55	2010	S/156200/CP/HED074	SD EAI (AMS)	9230	0002	CNP Service Company, LLC	\$ 47,460.00
56	2010	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	\$ 236,920.00
57	2010	S/156200/CP/HED075	SD CIS (AMS)	9220	0002	CNP Service Company, LLC	\$ 362,629.16
58	2010	S/156200/CP/HED076	HAN/System mods	9220	0002	CNP Service Company, LLC	\$ 829.68
59	2010	S/156200/CP/HED077	Communications Network Services - ECDC	1070	0002	CNP Service Company, LLC	-\$ 9,869.13
60	2010	S/156200/CP/HED077	Communications Network Services - ECDC	9230	0002	CNP Service Company, LLC	\$ 4,546.50
61	2010	S/156200/CP/HED078	AMS Analytics	9220	0002	CNP Service Company, LLC	\$ 94,980.26
62	2010	S/156200/CP/HED079	AMS Operations - NOC	1070	0002	CNP Service Company, LLC	\$ 749,621.37
63	2010	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	0002	CNP Service Company, LLC	\$ 208,381.50
64	2010	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	9220	0002	CNP Service Company, LLC	\$ 96,201.44
65	2010	S/156200/CP/HED081	Environmental Tracking - Cap	1070	0002	CNP Service Company, LLC	\$ 7,929.64
66	2010	S/156200/CP/HED082	Replatform Engineering Reports	1070	0002	CNP Service Company, LLC	\$ 31,552.00
67	2010	S/156200/CP/HED082	Replatform Engineering Reports	9220	0002	CNP Service Company, LLC	\$ 6,585.65
68	2010	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	0002	CNP Service Company, LLC	\$ 100,120.00
69	2010	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9220	0002	CNP Service Company, LLC	\$ 70,225.02
70	2010	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 8,753.62
71	2010	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 47,460.00
72	2010	S/156200/CP/HED100	AMS Firewall Upgrade	1070	0002	CNP Service Company, LLC	\$ 4,040.00
73	2011	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 2,175.60
74	2011	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 466.20
75	2011	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 788.53
76	2011	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 7,209.35
77	2011	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 8,110.52
78	2011	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 2,140.28
79	2011	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 63,870.38
80	2011	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 48,888.43
81	2011	156226	Customer Solutions	9220	0002	CNP Service Company, LLC	\$ 317.40
82	2011	11032781	CLSD Legal to New HP Campus	9220	0002	CNP Service Company, LLC	\$ 4,686.35
83	2011	11032781	CLSD Legal to New HP Campus	9230	0002	CNP Service Company, LLC	\$ 527.28
84	2011	11033003	FPM- ECDC RTO Control Rm Rehab- 56564247	9220	0002	CNP Service Company, LLC	\$ 4,505.84
85	2011	11033003	FPM- ECDC RTO Control Rm Rehab- 56564247	9220	0002	CNP Service Company, LLC	\$ 6,082.89
86	2011	11033025	CLSD Legal to Leveridge Easement	9220	0002	CNP Service Company, LLC	\$ 5,228.98
87	2011	11033025	CLSD Legal to Leveridge Easement	9230	0002	CNP Service Company, LLC	\$ 26,264.98
88	2011	11033103	CLSD Legal to Springwoods Project	9210	0002	CNP Service Company, LLC	\$ 3,034.49
89	2011	11033103	CLSD Legal to Springwoods Project	9220	0002	CNP Service Company, LLC	\$ 45,926.24
90	2011	11033103	CLSD Legal to Springwoods Project	9230	0002	CNP Service Company, LLC	\$ 101,449.64
91	2011	11033220	CLSD Legal to Soccer Stadium	9230	0002	CNP Service Company, LLC	\$ 942.23
92	2011	11033601	CLSD Legal to Willow PVI	9220	0002	CNP Service Company, LLC	\$ 1,023.60
93	2011	11033601	CLSD Legal to Willow PVI	9230	0002	CNP Service Company, LLC	\$ 5,890.00
94	2011	11033766	CLSD Legal to Entex Metro Project - CAP	9220	0002	CNP Service Company, LLC	\$ 4,489.03
95	2011	11033766	CLSD Legal to Entex Metro Project - CAP	9230	0002	CNP Service Company, LLC	\$ 36,086.11

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96	2011	11033768	CLSD Legal to Metro AFUDC	9220	0002	CNP Service Company, LLC	\$ 1,973.20
97	2011	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	9220	0002	CNP Service Company, LLC	\$ 283.65
98	2011	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	9230	0002	CNP Service Company, LLC	\$ 8,326.65
99	2011	11033881	CLSD Legal to CEHE Damaged Barge - Def	9230	0002	CNP Service Company, LLC	\$ 88,288.99
100	2011	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	0002	CNP Service Company, LLC	\$ 362.98
101	2011	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	9220	0002	CNP Service Company, LLC	\$ 8,435.59
102	2011	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	9230	0002	CNP Service Company, LLC	\$ 74,478.92
103	2011	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	0002	CNP Service Company, LLC	\$ 797,940.25
104	2011	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9220	0002	CNP Service Company, LLC	\$ 29,975.29
105	2011	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9230	0002	CNP Service Company, LLC	\$ 175,407.22
106	2011	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	0002	CNP Service Company, LLC	\$ 396,470.64
107	2011	S/156200/CP/HEBM002	TXSet 4.0 - General	9220	0002	CNP Service Company, LLC	\$ 535,276.21
108	2011	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 569,274.85
109	2011	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9220	0002	CNP Service Company, LLC	\$ 413,837.21
110	2011	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	0002	CNP Service Company, LLC	\$ 31,790.00
111	2011	S/156200/CP/HED024	BM - Mandated Revenue Changes	9220	0002	CNP Service Company, LLC	\$ 269,749.25
112	2011	S/156200/CP/HED035	PR - MDSI Enhancements	1070	0002	CNP Service Company, LLC	\$ 70,291.27
113	2011	S/156200/CP/HED035	PR - MDSI Enhancements	9220	0002	CNP Service Company, LLC	\$ 11,267.73
114	2011	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	0002	CNP Service Company, LLC	\$ 1,080.00
115	2011	S/156200/CP/HED041	SAP Time Keeping/Duet	9220	0002	CNP Service Company, LLC	-\$ 1,596.86
116	2011	S/156200/CP/HED042	Drawing Management System	1070	0002	CNP Service Company, LLC	\$ 3,066.32
117	2011	S/156200/CP/HED042	Drawing Management System	9220	0002	CNP Service Company, LLC	\$ 4,805.65
118	2011	S/156200/CP/HED042	Drawing Management System	9230	0002	CNP Service Company, LLC	\$ 99,276.80
119	2011	S/156200/CP/HED043	PowerDB	1070	0002	CNP Service Company, LLC	\$ 7,200.44
120	2011	S/156200/CP/HED043	PowerDB	9220	0002	CNP Service Company, LLC	-\$ 2,336.67
121	2011	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	0002	CNP Service Company, LLC	\$ 53,200.00
122	2011	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	9220	0002	CNP Service Company, LLC	\$ 18,938.23
123	2011	S/156200/CP/HED047	Oasis System Enhancements	1070	0002	CNP Service Company, LLC	\$ 127,479.50
124	2011	S/156200/CP/HED047	Oasis System Enhancements	9220	0002	CNP Service Company, LLC	\$ 22,430.54
125	2011	S/156200/CP/HED050	Archive Distribution Work Orders	9220	0002	CNP Service Company, LLC	\$ 17,986.29
126	2011	S/156200/CP/HED054	Lighthouse Project	1070	0002	CNP Service Company, LLC	\$ 800.42
127	2011	S/156200/CP/HED062	LD Pro Update	1070	0002	CNP Service Company, LLC	\$ 351,893.23
128	2011	S/156200/CP/HED062	LD Pro Update	9220	0002	CNP Service Company, LLC	\$ 36,857.01
129	2011	S/156200/CP/HED062	LD Pro Update	9230	0002	CNP Service Company, LLC	-\$ 16,289.01
130	2011	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	\$ 4,446,070.03
131	2011	S/156200/CP/HED072	IOSS (AMS)	9220	0002	CNP Service Company, LLC	\$ 197,736.16
132	2011	S/156200/CP/HED072	IOSS (AMS)	9230	0002	CNP Service Company, LLC	\$ 33,905.73
133	2011	S/156200/CP/HED073	SD SOA (AMS)	1070	0002	CNP Service Company, LLC	\$ 3,655.00
134	2011	S/156200/CP/HED073	SD SOA (AMS)	9220	0002	CNP Service Company, LLC	\$ 26,503.04
135	2011	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 546,364.44
136	2011	S/156200/CP/HED074	SD EAI (AMS)	9220	0002	CNP Service Company, LLC	\$ 540,468.94
137	2011	S/156200/CP/HED074	SD EAI (AMS)	9230	0002	CNP Service Company, LLC	\$ 1,301.96
138	2011	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	\$ 112,150.00
139	2011	S/156200/CP/HED075	SD CIS (AMS)	9220	0002	CNP Service Company, LLC	\$ 232,889.38
140	2011	S/156200/CP/HED078	AMS Analytics	1070	0002	CNP Service Company, LLC	\$ 276,887.11
141	2011	S/156200/CP/HED078	AMS Analytics	9220	0002	CNP Service Company, LLC	\$ 157,301.29
142	2011	S/156200/CP/HED078	AMS Analytics	9230	0002	CNP Service Company, LLC	\$ 29,428.75
143	2011	S/156200/CP/HED079	AMS Operations - NOC	1070	0002	CNP Service Company, LLC	\$ 208,360.00

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144	2011	S/156200/CP/HED079	AMS Operations - NOC	9220	0002	CNP Service Company, LLC	\$ 57,661.67
145	2011	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	0002	CNP Service Company, LLC	\$ 334,103.00
146	2011	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	9220	0002	CNP Service Company, LLC	\$ 22,777.85
147	2011	S/156200/CP/HED082	Replatform Engineering Reports	1070	0002	CNP Service Company, LLC	\$ 324,325.20
148	2011	S/156200/CP/HED082	Replatform Engineering Reports	9220	0002	CNP Service Company, LLC	\$ 62,792.42
149	2011	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	0002	CNP Service Company, LLC	\$ 325,008.84
150	2011	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9220	0002	CNP Service Company, LLC	\$ 17,351.20
151	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 175,735.61
152	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 214,902.95
153	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 894,687.06
154	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 175,735.61
155	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 214,902.95
156	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 894,687.06
157	2011	S/156200/CP/HED092	Crew Call Out System	1070	0002	CNP Service Company, LLC	\$ 1,606.49
158	2011	S/156200/CP/HED092	Crew Call Out System	9220	0002	CNP Service Company, LLC	\$ 27,455.17
159	2011	S/156200/CP/HED098	Outage Notification	1070	0002	CNP Service Company, LLC	\$ 13,235.00
160	2011	S/156200/CP/HED098	Outage Notification	9220	0002	CNP Service Company, LLC	\$ 12,167.07
161	2011	S/156200/CP/HED100	AMS Firewall Upgrade	1070	0002	CNP Service Company, LLC	\$ 11,268.83
162	2011	S/156200/CP/HED100	AMS Firewall Upgrade	9220	0002	CNP Service Company, LLC	\$ 316.50
163	2011	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 145,496.88
164	2011	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9220	0002	CNP Service Company, LLC	\$ 47,257.16
165	2011	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9230	0002	CNP Service Company, LLC	\$ 240,836.00
166	2011	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 155,728.15
167	2011	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	9220	0002	CNP Service Company, LLC	\$ 3,068.22
168	2011	S/156200/CP/HED106	AMS - TxSet 4.0	1070	0002	CNP Service Company, LLC	\$ 171,906.47
169	2011	S/156200/CP/HED106	AMS - TxSet 4.0	9220	0002	CNP Service Company, LLC	\$ 204,160.08
170	2011	S/156200/CP/HED108	BI Fleet Reporting	1070	0002	CNP Service Company, LLC	\$ 65,572.50
171	2011	S/156200/CP/HED108	BI Fleet Reporting	9220	0002	CNP Service Company, LLC	\$ 15,761.05
172	2011	S/156200/CP/HED110	BI Contractor Alliance Reporting	1070	0002	CNP Service Company, LLC	\$ 43,715.00
173	2011	S/156200/CP/HED110	BI Contractor Alliance Reporting	9220	0002	CNP Service Company, LLC	\$ 51,264.05
174	2012	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 645.97
175	2012	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 12,152.29
176	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 11,901.01
177	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 6,942.25
178	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 1,983.50
179	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 7,934.00
180	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 3,967.00
181	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 4,958.75
182	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 991.75
183	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 2,479.39
184	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 18,099.47
185	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 6,446.40
186	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 111,571.90
187	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 3,967.00
188	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 991.75
189	2012	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 5,950.50
190	2012	11033025	CLSD Legal to Leverage Easement	9220	0002	CNP Service Company, LLC	\$ 236.01
191	2012	11033025	CLSD Legal to Leverage Easement	9230	0002	CNP Service Company, LLC	\$ 348.95

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Line No.	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount
192	2012	11033103	CLSD Legal to Springwoods Project	9210	0002	CNP Service Company, LLC	\$ 194.00
193	2012	11033103	CLSD Legal to Springwoods Project	9220	0002	CNP Service Company, LLC	\$ 31,235.54
194	2012	11033103	CLSD Legal to Springwoods Project	9230	0002	CNP Service Company, LLC	\$ 34,098.61
195	2012	11033766	CLSD Legal to Entex Metro Project - CAP	9220	0002	CNP Service Company, LLC	\$ 1,864.45
196	2012	11033766	CLSD Legal to Entex Metro Project - CAP	9230	0002	CNP Service Company, LLC	\$ 13,423.60
197	2012	11033768	CLSD Legal to Metro AFUDC	9220	0002	CNP Service Company, LLC	\$ 542.82
198	2012	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	9220	0002	CNP Service Company, LLC	\$ 70.80
199	2012	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	9230	0002	CNP Service Company, LLC	\$ 8,280.29
200	2012	11033881	CLSD Legal to CEHE Damaged Barge - Def	9220	0002	CNP Service Company, LLC	\$ 13,334.40
201	2012	11033881	CLSD Legal to CEHE Damaged Barge - Def	9230	0002	CNP Service Company, LLC	\$ 770,150.25
202	2012	11033960	CLSD Legal to Lawndale Acquisition - CAP	9220	0002	CNP Service Company, LLC	\$ 3,115.29
203	2012	11033960	CLSD Legal to Lawndale Acquisition - CAP	9230	0002	CNP Service Company, LLC	\$ 24,638.95
204	2012	11034334	CLSD Legal to Oyster Creek CCN-CAP	9210	0002	CNP Service Company, LLC	\$ 560.62
205	2012	11034334	CLSD Legal to Oyster Creek CCN-CAP	9220	0002	CNP Service Company, LLC	\$ 4,248.13
206	2012	11034463	CLSD Legal to Silvercrest Project - CAP	9210	0002	CNP Service Company, LLC	\$ 1,868.80
207	2012	11034463	CLSD Legal to Silvercrest Project - CAP	9220	0002	CNP Service Company, LLC	\$ 472.01
208	2012	11034663	Legal to Grand Parkway - CAP	9210	0002	CNP Service Company, LLC	\$ 520.62
209	2012	11034663	Legal to Grand Parkway - CAP	9220	0002	CNP Service Company, LLC	\$ 3,103.50
210	2012	11034663	Legal to Grand Parkway - CAP	9230	0002	CNP Service Company, LLC	\$ 18,903.23
211	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	0002	CNP Service Company, LLC	\$ 1,555,204.43
212	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9220	0002	CNP Service Company, LLC	\$ 159,622.31
213	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9230	0002	CNP Service Company, LLC	\$ 382,798.97
214	2012	S/156200/CP/ENTD058	CVP/CRM MASTER	1070	0002	CNP Service Company, LLC	\$ 503.25
215	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	0002	CNP Service Company, LLC	\$ 881,075.73
216	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	9220	0002	CNP Service Company, LLC	\$ 32,263.40
217	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	9230	0002	CNP Service Company, LLC	\$ 8,631.34
218	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	9320	0002	CNP Service Company, LLC	\$ 811.19
219	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	0002	CNP Service Company, LLC	\$ 348,824.91
220	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	9220	0002	CNP Service Company, LLC	\$ 87,589.31
221	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	9230	0002	CNP Service Company, LLC	\$ 530,565.40
222	2012	S/156200/CP/ENTD064	Customer Vision (CRM)	1070	0002	CNP Service Company, LLC	\$ 158,784.70
223	2012	S/156200/CP/ENTD064	Customer Vision (CRM)	9220	0002	CNP Service Company, LLC	\$ 96,639.00
224	2012	S/156200/CP/ENTD064	Customer Vision (CRM)	9230	0002	CNP Service Company, LLC	\$ 8,676.66
225	2012	S/156200/CP/ENTD066	CHaRT Design	1070	0002	CNP Service Company, LLC	\$ 20,271.80
226	2012	S/156200/CP/ENTD066	CHaRT Design	9220	0002	CNP Service Company, LLC	\$ 697.14
227	2012	S/156200/CP/ENTD070	Executive Portfolio Dashboard	1070	0002	CNP Service Company, LLC	\$ 19,657.81
228	2012	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	0002	CNP Service Company, LLC	\$ 211,445.00
229	2012	S/156200/CP/HEB002	EAI - Elec Ops Support	9220	0002	CNP Service Company, LLC	\$ 211.96
230	2012	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	0002	CNP Service Company, LLC	\$ 329,534.42
231	2012	S/156200/CP/HEBM002	TXSet 4.0 - General	9220	0002	CNP Service Company, LLC	\$ 625,730.96
232	2012	S/156200/CP/HEBM002	TXSet 4.0 - General	9230	0002	CNP Service Company, LLC	\$ 16,338.83
233	2012	S/156200/CP/HEBM004	AMS Business Resilience	1070	0002	CNP Service Company, LLC	\$ 5,646,571.47
234	2012	S/156200/CP/HEBM004	AMS Business Resilience	9230	0002	CNP Service Company, LLC	-\$ 24,000.00
235	2012	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	0002	CNP Service Company, LLC	\$ 390,469.33
236	2012	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	9220	0002	CNP Service Company, LLC	\$ 151,004.24
237	2012	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	9230	0002	CNP Service Company, LLC	\$ 261,618.96
238	2012	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 429,200.14
239	2012	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9220	0002	CNP Service Company, LLC	\$ 347,487.46

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240	2012	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	0002	CNP Service Company, LLC	\$ 36,030.00
241	2012	S/156200/CP/HED024	BM - Mandated Revenue Changes	9220	0002	CNP Service Company, LLC	\$ 122,882.23
242	2012	S/156200/CP/HED041	SAP Time Keeping/Duet	9220	0002	CNP Service Company, LLC	-\$ 414.85
243	2012	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	0002	CNP Service Company, LLC	\$ 86,470.00
244	2012	S/156200/CP/HED062	LD Pro Update	1070	0002	CNP Service Company, LLC	\$ 171,178.39
245	2012	S/156200/CP/HED062	LD Pro Update	9220	0002	CNP Service Company, LLC	\$ 72,988.45
246	2012	S/156200/CP/HED062	LD Pro Update	9230	0002	CNP Service Company, LLC	\$ 53,169.81
247	2012	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,029,595.46
248	2012	S/156200/CP/HED072	IOSS (AMS)	9220	0002	CNP Service Company, LLC	\$ 46,406.32
249	2012	S/156200/CP/HED073	SD SOA (AMS)	9220	0002	CNP Service Company, LLC	\$ 265,294.02
250	2012	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 831,091.99
251	2012	S/156200/CP/HED074	SD EAI (AMS)	9220	0002	CNP Service Company, LLC	\$ 249,217.87
252	2012	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	\$ 56,160.00
253	2012	S/156200/CP/HED075	SD CIS (AMS)	9220	0002	CNP Service Company, LLC	\$ 69,312.40
254	2012	S/156200/CP/HED078	AMS Analytics	1070	0002	CNP Service Company, LLC	\$ 1,273,738.60
255	2012	S/156200/CP/HED078	AMS Analytics	9220	0002	CNP Service Company, LLC	\$ 211,979.01
256	2012	S/156200/CP/HED078	AMS Analytics	9230	0002	CNP Service Company, LLC	\$ 73,239.30
257	2012	S/156200/CP/HED079	AMS Operations - NOC	1070	0002	CNP Service Company, LLC	\$ 600.00
258	2012	S/156200/CP/HED079	AMS Operations - NOC	9220	0002	CNP Service Company, LLC	\$ 18,308.35
259	2012	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	0002	CNP Service Company, LLC	\$ 128,235.25
260	2012	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	9220	0002	CNP Service Company, LLC	\$ 4,786.12
261	2012	S/156200/CP/HED082	Replatform Engineering Reports	1070	0002	CNP Service Company, LLC	\$ 165,963.92
262	2012	S/156200/CP/HED082	Replatform Engineering Reports	9220	0002	CNP Service Company, LLC	\$ 78,769.23
263	2012	S/156200/CP/HED082	Replatform Engineering Reports	9230	0002	CNP Service Company, LLC	\$ 1,890.00
264	2012	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	0002	CNP Service Company, LLC	-\$ 3,829.69
265	2012	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9220	0002	CNP Service Company, LLC	\$ 5,536.12
266	2012	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9230	0002	CNP Service Company, LLC	\$ 812.50
267	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 630,128.86
268	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 466,302.92
269	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 1,418,171.92
270	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 630,128.84
271	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 466,302.98
272	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 1,418,171.87
273	2012	S/156200/CP/HED092	Crew Call Out System	9220	0002	CNP Service Company, LLC	\$ 2,825.54
274	2012	S/156200/CP/HED092	Crew Call Out System	9220	0002	CNP Service Company, LLC	-\$ 2,508.39
275	2012	S/156200/CP/HED095	Asset Management for CEHE	1070	0002	CNP Service Company, LLC	\$ 2,050.00
276	2012	S/156200/CP/HED098	Outage Notification	1070	0002	CNP Service Company, LLC	\$ 179,714.91
277	2012	S/156200/CP/HED098	Outage Notification	9220	0002	CNP Service Company, LLC	\$ 164,737.62
278	2012	S/156200/CP/HED100	AMS Firewall Upgrade	1070	0002	CNP Service Company, LLC	\$ 444.00
279	2012	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 668,051.57
280	2012	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9220	0002	CNP Service Company, LLC	\$ 121,851.26
281	2012	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9230	0002	CNP Service Company, LLC	\$ 382,985.78
282	2012	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 959,374.24
283	2012	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	9220	0002	CNP Service Company, LLC	\$ 8,245.96
284	2012	S/156200/CP/HED106	AMS - TxSet 4.0	1070	0002	CNP Service Company, LLC	\$ 110,673.50
285	2012	S/156200/CP/HED106	AMS - TxSet 4.0	9220	0002	CNP Service Company, LLC	\$ 117,664.46
286	2012	S/156200/CP/HED108	BI Fleet Reporting	1070	0002	CNP Service Company, LLC	\$ 67.50
287	2012	S/156200/CP/HED111	File Server Storage Engineering	1070	0002	CNP Service Company, LLC	\$ 30,720.00

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288	2012	S/156200/CP/HED116	Business Transformation Initiatives	1070	0002	CNP Service Company, LLC	\$ 1,115.67
289	2012	S/156200/CP/HED116	Business Transformation Initiatives	9220	0002	CNP Service Company, LLC	\$ 22,065.42
290	2012	S/156200/CP/HED116	Business Transformation Initiatives	9230	0002	CNP Service Company, LLC	\$ 229,801.48
291	2012	S/156200/CP/HED118	IDR Meter Reading	1070	0002	CNP Service Company, LLC	\$ 17,087.24
292	2012	S/156200/CP/HED120	Database (AMS)	1070	0002	CNP Service Company, LLC	\$ 40,436.37
293	2012	S/156200/CP/HED120	Database (AMS)	9220	0002	CNP Service Company, LLC	\$ 71,204.88
294	2012	S/156200/CP/HED120	Database (AMS)	9230	0002	CNP Service Company, LLC	\$ 15,505.31
295	2012	S/156200/CP/HED120	Database (AMS)	9220	0002	CNP Service Company, LLC	\$ 30,394.10
296	2012	S/156200/CP/HED123	Checkbox Survey System	1070	0002	CNP Service Company, LLC	\$ 5,515.14
297	2012	S/156200/CP/HED124	Optim Archiving Implementation (AMS)	1070	0002	CNP Service Company, LLC	\$ 204,444.39
298	2012	S/156200/CP/HED124	Optim Archiving Implementation (AMS)	9230	0002	CNP Service Company, LLC	\$ 77,012.57
299	2012	S/156200/CP/HED125	ADMS (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,196,355.84
300	2012	S/156200/CP/HED125	ADMS (AMS)	9220	0002	CNP Service Company, LLC	\$ 151,137.29
301	2012	S/156200/CP/HED128	Investment Prioritization Tool	1070	0002	CNP Service Company, LLC	\$ 202.50
302	2012	S/156200/CP/RR1004	AMIN Reliant Cap. - System Functionality	9220	0002	CNP Service Company, LLC	\$ 445.52
303	2013	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 15,497.99
304	2013	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 645.02
305	2013	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 2,821.95
306	2013	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 1,773.80
307	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 13,592.10
308	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 13,376.74
309	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 12,482.08
310	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 4,302.06
311	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 13,159.15
312	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 10,424.36
313	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 35,548.70
314	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 14,491.18
315	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 19,698.97
316	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 31,246.64
317	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 4,981.35
318	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 2,037.82
319	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 905.70
320	2013	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 200,612.55
321	2013	156160	SEC SECURITY DIR	9220	0002	CNP Service Company, LLC	\$ 10,772.06
322	2013	156226	Customer Solutions	9220	0002	CNP Service Company, LLC	\$ 959.32
323	2013	159057	Fleet Support	9220	0002	CNP Service Company, LLC	\$ 36.72
324	2013	159057	Fleet Support	9220	0002	CNP Service Company, LLC	\$ 36.72
325	2013	11033103	CLSD Legal to Springwoods Project	9220	0002	CNP Service Company, LLC	\$ 6,182.81
326	2013	11033103	CLSD Legal to Springwoods Project	9230	0002	CNP Service Company, LLC	\$ 32,167.57
327	2013	11033766	CLSD Legal to Entex Metro Project - CAP	9230	0002	CNP Service Company, LLC	\$ 1,831.20
328	2013	11033881	CLSD Legal to CEHE Damaged Barge - Def	9210	0002	CNP Service Company, LLC	\$ 21.75
329	2013	11033881	CLSD Legal to CEHE Damaged Barge - Def	9220	0002	CNP Service Company, LLC	\$ 9,836.29
330	2013	11033881	CLSD Legal to CEHE Damaged Barge - Def	9230	0002	CNP Service Company, LLC	\$ 595,818.22
331	2013	11034334	CLSDLegal to Oyster Creek CCN-CAP	9210	0002	CNP Service Company, LLC	\$ 753.79
332	2013	11034334	CLSDLegal to Oyster Creek CCN-CAP	9220	0002	CNP Service Company, LLC	\$ 32,498.06
333	2013	11034334	CLSDLegal to Oyster Creek CCN-CAP	9230	0002	CNP Service Company, LLC	\$ 36,687.93
334	2013	11034663	Legal to Grand Parkway - CAP	9220	0002	CNP Service Company, LLC	\$ 8,405.56
335	2013	11034663	Legal to Grand Parkway - CAP	9230	0002	CNP Service Company, LLC	\$ 40,840.40

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336	2013	11035063	CLSD Legal to RT10_300%_12_WR11_BuildApp	9230	0002	CNP Service Company, LLC	\$ 2,163.84
337	2013	11035101	CLSD Legal to Fry Road Substation - CAP	9230	0002	CNP Service Company, LLC	\$ 8,595.87
338	2013	11035167	CLSDLegal to Brazos Vally Connection-CAP	9210	0002	CNP Service Company, LLC	\$ 1,943.55
339	2013	11035167	CLSDLegal to Brazos Vally Connection-CAP	9220	0002	CNP Service Company, LLC	\$ 34,235.39
340	2013	13083222	2013 SAP Fixed Asset Enhancement	1070	0002	CNP Service Company, LLC	-\$ 0.01
341	2013	S/156200/CP/ENTD041	CVP VoIP/ CHART-IT	1070	0002	CNP Service Company, LLC	\$ 637,620.53
342	2013	S/156200/CP/ENTD041	CVP VoIP/ CHART-IT	9220	0002	CNP Service Company, LLC	\$ 27,976.39
343	2013	S/156200/CP/ENTD041	CVP VoIP/ CHART-IT	9230	0002	CNP Service Company, LLC	\$ 510,452.66
344	2013	S/156200/CP/ENTD041	CVP VoIP/ CHART-IT	9320	0002	CNP Service Company, LLC	\$ 1,450.64
345	2013	S/156200/CP/ENTD041-B	CVP VoIP/ CHART-Business	9220	0002	CNP Service Company, LLC	\$ 76,732.45
346	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	0002	CNP Service Company, LLC	\$ 716,561.83
347	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9220	0002	CNP Service Company, LLC	\$ 446,870.44
348	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9230	0002	CNP Service Company, LLC	\$ 161,369.50
349	2013	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	9220	0002	CNP Service Company, LLC	\$ 66,588.62
350	2013	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	9220	0002	CNP Service Company, LLC	\$ 34,168.60
351	2013	S/156200/CP/ENTD044-GS	Mobile Data Ventyx R9 Upgrade - GIS	1070	0002	CNP Service Company, LLC	\$ 52,668.53
352	2013	S/156200/CP/ENTD044-GS	Mobile Data Ventyx R9 Upgrade - GIS	9230	0002	CNP Service Company, LLC	\$ 16,257.78
353	2013	S/156200/CP/ENTD044-GS-B	Mobile Data Ventyx R9 Upgrade - GIS- Bus	9220	0002	CNP Service Company, LLC	\$ 24,660.66
354	2013	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	1070	0002	CNP Service Company, LLC	\$ 68,217.06
355	2013	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	9220	0002	CNP Service Company, LLC	\$ 68,442.53
356	2013	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	9230	0002	CNP Service Company, LLC	\$ 592,385.91
357	2013	S/156200/CP/ENTD058-BP-B	CVP/CRM Blueprinting- Business	1070	0002	CNP Service Company, LLC	\$ 743.02
358	2013	S/156200/CP/ENTD058-BP-B	CVP/CRM Blueprinting- Business	9220	0002	CNP Service Company, LLC	\$ 37,786.34
359	2013	S/156200/CP/ENTD058-BP-B	CVP/CRM Blueprinting- Business	9230	0002	CNP Service Company, LLC	\$ 19,889.20
360	2013	S/156200/CP/ENTD058-BP-E	CVP/CRM Blueprinting- Electric	1070	0002	CNP Service Company, LLC	\$ 438.00
361	2013	S/156200/CP/ENTD058-BP-E	CVP/CRM Blueprinting- Electric	9220	0002	CNP Service Company, LLC	\$ 40,058.16
362	2013	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	1070	0002	CNP Service Company, LLC	\$ 712,372.18
363	2013	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	9220	0002	CNP Service Company, LLC	\$ 359.72
364	2013	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	9230	0002	CNP Service Company, LLC	\$ 36,496.26
365	2013	S/156200/CP/ENTD058-CH-B	CVP/CRM CHaRT- Business	9220	0002	CNP Service Company, LLC	\$ 16,719.89
366	2013	S/156200/CP/ENTD058-CT	CVP/CRM Centerbridge-IT	1070	0002	CNP Service Company, LLC	\$ 17,710.86
367	2013	S/156200/CP/ENTD058-CT	CVP/CRM Centerbridge-IT	9220	0002	CNP Service Company, LLC	\$ 9,680.26
368	2013	S/156200/CP/ENTD058-CT	CVP/CRM Centerbridge-IT	9230	0002	CNP Service Company, LLC	\$ 1,167.41
369	2013	S/156200/CP/ENTD058-CT-B	CVP/CRM Centerbridge-Business	1070	0002	CNP Service Company, LLC	\$ 0.03
370	2013	S/156200/CP/ENTD058-CT-B	CVP/CRM Centerbridge-Business	9220	0002	CNP Service Company, LLC	\$ 18,416.02
371	2013	S/156200/CP/ENTD058-CT-B	CVP/CRM Centerbridge-Business	9230	0002	CNP Service Company, LLC	-\$ 0.01
372	2013	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	0002	CNP Service Company, LLC	\$ 26,142.86
373	2013	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	9220	0002	CNP Service Company, LLC	\$ 119.89
374	2013	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	9230	0002	CNP Service Company, LLC	\$ 8,475.00
375	2013	S/156200/CP/ENTD058-DC-E	CVP/CRM Data Cleansing/Conversion- Elec	9220	0002	CNP Service Company, LLC	\$ 49,887.14
376	2013	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	1070	0002	CNP Service Company, LLC	\$ 8,227.57
377	2013	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	9220	0002	CNP Service Company, LLC	\$ 10,144.88
378	2013	S/156200/CP/ENTD058-MX	CVP/CRM SAP MaxAttention- IT	1070	0002	CNP Service Company, LLC	\$ 59,119.67
379	2013	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	0002	CNP Service Company, LLC	\$ 637,179.75
380	2013	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	9220	0002	CNP Service Company, LLC	\$ 279,425.87
381	2013	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	9230	0002	CNP Service Company, LLC	\$ 904,764.50
382	2013	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	0002	CNP Service Company, LLC	\$ 43.51
383	2013	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	9220	0002	CNP Service Company, LLC	\$ 130,765.09

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384	2013	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	9230	0002	CNP Service Company, LLC	\$ 15,903.37
385	2013	S/156200/CP/ENTD058-RE-E	CVP/CRM Realization- Electric	9220	0002	CNP Service Company, LLC	\$ 50,702.19
386	2013	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	0002	CNP Service Company, LLC	\$ 189.48
387	2013	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	0002	CNP Service Company, LLC	-\$ 63,832.77
388	2013	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	9220	0002	CNP Service Company, LLC	\$ 82.04
389	2013	S/156200/CP/ENTD064	Customer Vision (CRM)	1070	0002	CNP Service Company, LLC	\$ 656.63
390	2013	S/156200/CP/ENTD066	CHaRT Design	1070	0002	CNP Service Company, LLC	\$ 76.13
391	2013	S/156200/CP/ENTD079	Fuel Force Controllers Project	9220	0002	CNP Service Company, LLC	\$ 1,223.32
392	2013	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	1070	0002	CNP Service Company, LLC	\$ 121,674.34
393	2013	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	9220	0002	CNP Service Company, LLC	\$ 29,252.67
394	2013	S/156200/CP/ENTD083-B	CVP/CRM PMO Program Admin - Business	9220	0002	CNP Service Company, LLC	\$ 8,466.98
395	2013	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	0002	CNP Service Company, LLC	\$ 449,374.08
396	2013	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	9220	0002	CNP Service Company, LLC	\$ 216,823.27
397	2013	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	9230	0002	CNP Service Company, LLC	\$ 1,840,753.79
398	2013	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	0002	CNP Service Company, LLC	\$ 6,555.22
399	2013	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	9220	0002	CNP Service Company, LLC	\$ 160,962.92
400	2013	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	9230	0002	CNP Service Company, LLC	\$ 9,174.45
401	2013	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	0002	CNP Service Company, LLC	\$ 3,000.53
402	2013	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	9220	0002	CNP Service Company, LLC	\$ 1,004.30
403	2013	S/156200/CP/ENTD095	CI-CRM & Web Integration	9220	0002	CNP Service Company, LLC	\$ 0.01
404	2013	S/156200/CP/ENTD096	CI-CSR Tool Modification for CRM	9220	0002	CNP Service Company, LLC	\$ 3,674.78
405	2013	S/156200/CP/ENTD096	CI-CSR Tool Modification for CRM	9230	0002	CNP Service Company, LLC	\$ 142,627.85
406	2013	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	0002	CNP Service Company, LLC	\$ 39,156.05
407	2013	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	9220	0002	CNP Service Company, LLC	\$ 3,785.39
408	2013	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	1070	0002	CNP Service Company, LLC	\$ 556,845.88
409	2013	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	9220	0002	CNP Service Company, LLC	\$ 160,296.45
410	2013	S/156200/CP/FIND017-AL-B	SAP Fixed Assets Fresh Start- Business	9220	0002	CNP Service Company, LLC	\$ 91,865.81
411	2013	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	0002	CNP Service Company, LLC	\$ 111,993.00
412	2013	S/156200/CP/HEB002	EAI - Elec Ops Support	9230	0002	CNP Service Company, LLC	\$ 165,000.00
413	2013	S/156200/CP/HEB008	New STRS Server	1070	0002	CNP Service Company, LLC	\$ 11,523.32
414	2013	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	0002	CNP Service Company, LLC	-\$ 8,582.60
415	2013	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	0002	CNP Service Company, LLC	\$ 393,796.48
416	2013	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	9220	0002	CNP Service Company, LLC	\$ 165,614.21
417	2013	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	9230	0002	CNP Service Company, LLC	\$ 97,190.00
418	2013	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	0002	CNP Service Company, LLC	\$ 115,907.61
419	2013	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	0002	CNP Service Company, LLC	\$ 146,618.60
420	2013	S/156200/CP/HEBM006-NS	AOC Phase I - Network Security	1070	0002	CNP Service Company, LLC	\$ 351,595.78
421	2013	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	0002	CNP Service Company, LLC	\$ 612,740.80
422	2013	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	9230	0002	CNP Service Company, LLC	\$ 90,880.00
423	2013	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	0002	CNP Service Company, LLC	\$ 62,386.28
424	2013	S/156200/CP/HEBM006-TC	AOC Phase I - IT Telecom	1070	0002	CNP Service Company, LLC	\$ 357,135.15
425	2013	S/156200/CP/HEBM007	Outage Management (AMS) - IT	9220	0002	CNP Service Company, LLC	\$ 479.67
426	2013	S/156200/CP/HEBM007-B	Outage Management - Business	9220	0002	CNP Service Company, LLC	\$ 754.67
427	2013	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 1,426,690.83
428	2013	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9220	0002	CNP Service Company, LLC	\$ 351,727.80
429	2013	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	0002	CNP Service Company, LLC	\$ 89,280.00
430	2013	S/156200/CP/HED024	BM - Mandated Revenue Changes	9220	0002	CNP Service Company, LLC	\$ 73,948.51
431	2013	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	0002	CNP Service Company, LLC	\$ 5,861.00

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432	2013	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	9220	0002	CNP Service Company, LLC	\$ 1,250.16
433	2013	S/156200/CP/HED062	LD Pro Update	1070	0002	CNP Service Company, LLC	-\$ 24,573.74
434	2013	S/156200/CP/HED062	LD Pro Update	9220	0002	CNP Service Company, LLC	\$ 12,593.01
435	2013	S/156200/CP/HED062	LD Pro Update	9230	0002	CNP Service Company, LLC	\$ 134,172.50
436	2013	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	\$ 453,232.00
437	2013	S/156200/CP/HED072	IOSS (AMS)	9230	0002	CNP Service Company, LLC	\$ 142,500.00
438	2013	S/156200/CP/HED073	SD SOA (AMS)	1070	0002	CNP Service Company, LLC	\$ 94,280.00
439	2013	S/156200/CP/HED073	SD SOA (AMS)	9220	0002	CNP Service Company, LLC	\$ 180,651.71
440	2013	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,095,390.49
441	2013	S/156200/CP/HED074	SD EAI (AMS)	9220	0002	CNP Service Company, LLC	\$ 320,758.20
442	2013	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	\$ 42,250.00
443	2013	S/156200/CP/HED075	SD CIS (AMS)	9220	0002	CNP Service Company, LLC	\$ 22,424.61
444	2013	S/156200/CP/HED078	AMS Analytics	1070	0002	CNP Service Company, LLC	\$ 955,619.59
445	2013	S/156200/CP/HED078	AMS Analytics	9220	0002	CNP Service Company, LLC	\$ 185,660.04
446	2013	S/156200/CP/HED078	AMS Analytics	9230	0002	CNP Service Company, LLC	\$ 836,185.01
447	2013	S/156200/CP/HED079	AMS Operations - NOC	1070	0002	CNP Service Company, LLC	\$ 98.25
448	2013	S/156200/CP/HED079	AMS Operations - NOC	9220	0002	CNP Service Company, LLC	\$ 1,199.18
449	2013	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	0002	CNP Service Company, LLC	\$ 2,563,265.90
450	2013	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9220	0002	CNP Service Company, LLC	\$ 76,140.72
451	2013	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9320	0002	CNP Service Company, LLC	\$ 4,336.50
452	2013	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	9220	0002	CNP Service Company, LLC	\$ 49,142.44
453	2013	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	0002	CNP Service Company, LLC	\$ 1,982.00
454	2013	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	9220	0002	CNP Service Company, LLC	\$ 719.50
455	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 599,261.80
456	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 325,799.69
457	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 503,419.55
458	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 599,261.82
459	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 325,799.66
460	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 503,419.52
461	2013	S/156200/CP/HED095	Asset Management for CEHE	1070	0002	CNP Service Company, LLC	\$ 89,062.48
462	2013	S/156200/CP/HED095	Asset Management for CEHE	9220	0002	CNP Service Company, LLC	\$ 46,227.96
463	2013	S/156200/CP/HED095	Asset Management for CEHE	9230	0002	CNP Service Company, LLC	\$ 57,945.00
464	2013	S/156200/CP/HED098	Outage Notification	1070	0002	CNP Service Company, LLC	\$ 10,373.19
465	2013	S/156200/CP/HED098	Outage Notification	9220	0002	CNP Service Company, LLC	\$ 7,572.33
466	2013	S/156200/CP/HED098	Outage Notification	9230	0002	CNP Service Company, LLC	\$ 61,250.00
467	2013	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 464,170.00
468	2013	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9220	0002	CNP Service Company, LLC	\$ 130,990.73
469	2013	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9230	0002	CNP Service Company, LLC	\$ 326,659.50
470	2013	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	-\$ 6,202.00
471	2013	S/156200/CP/HED106	AMS - TxSet 4 0	1070	0002	CNP Service Company, LLC	-\$ 7,220.00
472	2013	S/156200/CP/HED116	Business Transformation Initiatives	1070	0002	CNP Service Company, LLC	\$ 342.46
473	2013	S/156200/CP/HED116	Business Transformation Initiatives	9220	0002	CNP Service Company, LLC	\$ 2,398.33
474	2013	S/156200/CP/HED116	Business Transformation Initiatives	9230	0002	CNP Service Company, LLC	\$ 659.50
475	2013	S/156200/CP/HED124	Optim Archiving Implementation (AMS)	9230	0002	CNP Service Company, LLC	\$ 24,174.52
476	2013	S/156200/CP/HED125	ADMS (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,289,989.24
477	2013	S/156200/CP/HED125	ADMS (AMS)	9220	0002	CNP Service Company, LLC	\$ 416,308.40
478	2013	S/156200/CP/HED125	ADMS (AMS)	9230	0002	CNP Service Company, LLC	\$ 538,560.00
479	2013	S/156200/CP/HED128	Investment Prioritization Tool	1070	0002	CNP Service Company, LLC	\$ 30,336.35

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480	2013	S/156200/CP/HED128	Investment Prioritization Tool	9230	0002	CNP Service Company, LLC	\$ 218,413.38
481	2013	S/156200/CP/HED136	Critical Integration Management Office	1070	0002	CNP Service Company, LLC	\$ 781,535.01
482	2013	S/156200/CP/HED154	CI-Outage Interaction Services	9230	0002	CNP Service Company, LLC	\$ 155,295.00
483	2013	S/156200/CP/HED161	Fleet Management - IT	1070	0002	CNP Service Company, LLC	\$ 129,660.00
484	2013	S/156200/CP/HED161	Fleet Management - IT	9220	0002	CNP Service Company, LLC	\$ 39,093.01
485	2013	S/156200/CP/HED161-B	Fleet Management - Business	9220	0002	CNP Service Company, LLC	\$ 18,319.04
486	2013	S/156200/CP/HED162	Active Risk Management - IT	1070	0002	CNP Service Company, LLC	\$ 140,643.22
487	2013	S/156200/CP/HED162	Active Risk Management - IT	9220	0002	CNP Service Company, LLC	\$ 13,362.92
488	2013	S/156200/CP/HED162	Active Risk Management - IT	9230	0002	CNP Service Company, LLC	\$ 60,092.17
489	2013	S/156200/CP/HED162-B	Active Risk Management - Business	9220	0002	CNP Service Company, LLC	\$ 40,267.07
490	2014	125039	Bank Reconciliation	9220	0002	CNP Service Company, LLC	\$ 561.17
491	2014	125039	Bank Reconciliation	9220	0002	CNP Service Company, LLC	\$ 448.93
492	2014	125039	Bank Reconciliation	9220	0002	CNP Service Company, LLC	\$ 448.93
493	2014	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 88,974.01
494	2014	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 31,051.17
495	2014	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 235,174.25
496	2014	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 3,494.36
497	2014	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 2,064.79
498	2014	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 476.49
499	2014	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 1,191.30
500	2014	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 794.15
501	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 3,920.12
502	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 18,498.11
503	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 11,760.36
504	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 9,555.29
505	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 12,740.39
506	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 5,880.18
507	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 67,009.56
508	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 1,470.04
509	2014	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 21,560.66
510	2014	156103	FM PROJECT SUPPORT	9220	0002	CNP Service Company, LLC	\$ 5,683.54
511	2014	156103	FM PROJECT SUPPORT	9220	0002	CNP Service Company, LLC	\$ 84.82
512	2014	156103	FM PROJECT SUPPORT	9220	0002	CNP Service Company, LLC	\$ 7,549.86
513	2014	156160	SEC SECURITY DIR	9220	0002	CNP Service Company, LLC	\$ 9,622.08
514	2014	156221	PMO Management	9220	0002	CNP Service Company, LLC	\$ 18,705.62
515	2014	156225	Archit/Tech Risk	9220	0002	CNP Service Company, LLC	\$ 2,838.96
516	2014	156226	Customer Solutions	9220	0002	CNP Service Company, LLC	\$ 363.33
517	2014	159033	Houston Call Center	9220	0002	CNP Service Company, LLC	\$ 2,334.40
518	2014	159033	Houston Call Center	9220	0002	CNP Service Company, LLC	\$ 233.44
519	2014	11033766	CLSD Legal to Entex Metro Project - CAP	9230	0002	CNP Service Company, LLC	\$ 60.00
520	2014	11034334	CLSDLegal to Oyster Creek CCN-CAP	9220	0002	CNP Service Company, LLC	\$ 1,888.99
521	2014	11034334	CLSDLegal to Oyster Creek CCN-CAP	9230	0002	CNP Service Company, LLC	\$ 1,497.50
522	2014	11034335	CLSD Legal to Zenith - Franz CCN - CAP	9210	0002	CNP Service Company, LLC	\$ 968.49
523	2014	11034335	CLSD Legal to Zenith - Franz CCN - CAP	9220	0002	CNP Service Company, LLC	\$ 19,381.58
524	2014	11034335	CLSD Legal to Zenith - Franz CCN - CAP	9230	0002	CNP Service Company, LLC	\$ 8,262.88
525	2014	11034663	Legal to Grand Parkway - CAP	9220	0002	CNP Service Company, LLC	\$ 4,929.49
526	2014	11034663	Legal to Grand Parkway - CAP	9230	0002	CNP Service Company, LLC	\$ 2,745.00
527	2014	11035167	CLSDLegal to Brazos Vally Connection-CAP	9210	0002	CNP Service Company, LLC	\$ 17,464.47

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528	2014	11035167	CLSDLegal to Brazos Vally Connection-CAP	9220	0002	CNP Service Company, LLC	\$ 248,816.44
529	2014	11035167	CLSDLegal to Brazos Vally Connection-CAP	9230	0002	CNP Service Company, LLC	\$ 565,181.35
530	2014	11035623	CLSD Legal to P847-1 Mont Belvieu Ves Mv	9220	0002	CNP Service Company, LLC	\$ 595.16
531	2014	11035623	CLSD Legal to P847-1 Mont Belvieu Ves Mv	9230	0002	CNP Service Company, LLC	\$ 17,029.39
532	2014	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	0002	CNP Service Company, LLC	\$ 1,069,366.88
533	2014	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	9220	0002	CNP Service Company, LLC	\$ 87,669.16
534	2014	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	9230	0002	CNP Service Company, LLC	\$ 706,090.12
535	2014	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	1070	0002	CNP Service Company, LLC	\$ 14,507.52
536	2014	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	9220	0002	CNP Service Company, LLC	\$ 217,930.76
537	2014	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	0002	CNP Service Company, LLC	\$ 222,104.56
538	2014	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9220	0002	CNP Service Company, LLC	\$ 293,476.76
539	2014	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9230	0002	CNP Service Company, LLC	\$ 58,425.97
540	2014	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	9220	0002	CNP Service Company, LLC	\$ 35,658.33
541	2014	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	0002	CNP Service Company, LLC	\$ 4,031.25
542	2014	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	9220	0002	CNP Service Company, LLC	\$ 146,494.09
543	2014	S/156200/CP/ENTD044-GS	Mobile Data Ventyx R9 Upgrade - GIS	1070	0002	CNP Service Company, LLC	\$ 502.33
544	2014	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	1070	0002	CNP Service Company, LLC	-\$ 3,794.78
545	2014	S/156200/CP/ENTD058-BP-E	CVP/CRM Blueprinting- Electric	9220	0002	CNP Service Company, LLC	\$ 198.63
546	2014	S/156200/CP/ENTD058-CH-B	CVP/CRM CHaRT- Business	9220	0002	CNP Service Company, LLC	\$ 29.13
547	2014	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	0002	CNP Service Company, LLC	\$ 34,113.59
548	2014	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	9220	0002	CNP Service Company, LLC	\$ 60.56
549	2014	S/156200/CP/ENTD058-DC-E	CVP/CRM Data Cleansing/Conversion- Elec	9220	0002	CNP Service Company, LLC	\$ 2,782.99
550	2014	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	1070	0002	CNP Service Company, LLC	\$ 69,635.47
551	2014	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	9220	0002	CNP Service Company, LLC	\$ 66,417.75
552	2014	S/156200/CP/ENTD058-MX	CVP/CRM SAP MaxAttention- IT	9230	0002	CNP Service Company, LLC	\$ 51,067.32
553	2014	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	0002	CNP Service Company, LLC	\$ 663,198.30
554	2014	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	9220	0002	CNP Service Company, LLC	\$ 462,555.80
555	2014	S/156200/CP/ENTD058-RE	CVP/CRM Realization-IT	9230	0002	CNP Service Company, LLC	\$ 1,408,360.95
556	2014	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	0002	CNP Service Company, LLC	\$ 299.17
557	2014	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	9220	0002	CNP Service Company, LLC	\$ 336,623.34
558	2014	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	9230	0002	CNP Service Company, LLC	-\$ 790.08
559	2014	S/156200/CP/ENTD058-RE-E	CVP/CRM Realization- Electric	9220	0002	CNP Service Company, LLC	\$ 34,842.89
560	2014	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	0002	CNP Service Company, LLC	-\$ 621.59
561	2014	S/156200/CP/ENTD079	Fuel Force Controllers Project	9220	0002	CNP Service Company, LLC	-\$ 1,223.32
562	2014	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	1070	0002	CNP Service Company, LLC	\$ 123,379.48
563	2014	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	9220	0002	CNP Service Company, LLC	\$ 21,041.99
564	2014	S/156200/CP/ENTD083-B	CVP/CRM PMO Program Admin - Business	9220	0002	CNP Service Company, LLC	\$ 1,323.06
565	2014	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	0002	CNP Service Company, LLC	\$ 377,091.98
566	2014	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	9220	0002	CNP Service Company, LLC	\$ 514,965.11
567	2014	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	9230	0002	CNP Service Company, LLC	\$ 2,864,570.65
568	2014	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	0002	CNP Service Company, LLC	\$ 5,004.72
569	2014	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	9220	0002	CNP Service Company, LLC	\$ 206,009.15
570	2014	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	9230	0002	CNP Service Company, LLC	\$ 2,032.66
571	2014	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	0002	CNP Service Company, LLC	-\$ 3,000.54
572	2014	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	9220	0002	CNP Service Company, LLC	\$ 1,453.27
573	2014	S/156200/CP/ENTD096	CI-CSR Tool Modification for CRM	9230	0002	CNP Service Company, LLC	\$ 24,420.00
574	2014	S/156200/CP/ENTD103	SAP Health & Safety	1070	0002	CNP Service Company, LLC	\$ 313,980.01
575	2014	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	0002	CNP Service Company, LLC	-\$ 38,225.12

**PUBLIC UTILITY COMMISSION OF TEXAS
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
V-K-5.1 CAPITAL PROJECTS
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND**

1	2	3	4	5	6	7	
Line No	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount
576	2014	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	9220	0002	CNP Service Company, LLC	\$ 1,490.25
577	2014	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	9230	0002	CNP Service Company, LLC	\$ 8,564.94
578	2014	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	1070	0002	CNP Service Company, LLC	\$ 63,747.54
579	2014	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	9220	0002	CNP Service Company, LLC	\$ 6,289.95
580	2014	S/156200/CP/FIND017-AL-B	SAP Fixed Assets Fresh Start- Business	9220	0002	CNP Service Company, LLC	\$ 2,532.10
581	2014	S/156200/CP/FIND039	Fixed Asset - IT	1070	0002	CNP Service Company, LLC	\$ 264,441.78
582	2014	S/156200/CP/FIND039	Fixed Asset - IT	9220	0002	CNP Service Company, LLC	\$ 48,662.21
583	2014	S/156200/CP/FIND039	Fixed Asset - IT	9230	0002	CNP Service Company, LLC	\$ 18,162.40
584	2014	S/156200/CP/FIND039-B	Fixed Asset - Business	9220	0002	CNP Service Company, LLC	\$ 8,910.76
585	2014	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	0002	CNP Service Company, LLC	\$ 155,000.00
586	2014	S/156200/CP/HEB002	EAI - Elec Ops Support	9230	0002	CNP Service Company, LLC	\$ 95,000.00
587	2014	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	0002	CNP Service Company, LLC	\$ 108,981.01
588	2014	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	9220	0002	CNP Service Company, LLC	\$ 6,108.20
589	2014	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	9230	0002	CNP Service Company, LLC	\$ 29,295.00
590	2014	S/156200/CP/HEBM005-B	Outage Enablement (AMS)- Business	1070	0002	CNP Service Company, LLC	\$ 5,700.00
591	2014	S/156200/CP/HEBM005-B	Outage Enablement (AMS)- Business	9220	0002	CNP Service Company, LLC	\$ 13,229.44
592	2014	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	0002	CNP Service Company, LLC	\$ 44,106.88
593	2014	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	9220	0002	CNP Service Company, LLC	\$ 8,190.51
594	2014	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	9230	0002	CNP Service Company, LLC	\$ 40,783.68
595	2014	S/156200/CP/HEBM006-DR	AOC Phase I - Disaster Recovery	1070	0002	CNP Service Company, LLC	\$ 134.56
596	2014	S/156200/CP/HEBM006-DR	AOC Phase I - Disaster Recovery	9220	0002	CNP Service Company, LLC	\$ 2,167.09
597	2014	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	0002	CNP Service Company, LLC	\$ 443.58
598	2014	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	9220	0002	CNP Service Company, LLC	\$ 5,692.61
599	2014	S/156200/CP/HEBM006-NS	AOC Phase I - Network Security	1070	0002	CNP Service Company, LLC	\$ 424.81
600	2014	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	0002	CNP Service Company, LLC	\$ 679,221.88
601	2014	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	9220	0002	CNP Service Company, LLC	\$ 55,643.03
602	2014	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	9230	0002	CNP Service Company, LLC	\$ 80,844.90
603	2014	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	0002	CNP Service Company, LLC	\$ 149,806.96
604	2014	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	9230	0002	CNP Service Company, LLC	\$ 35,101.16
605	2014	S/156200/CP/HEBM006-TC	AOC Phase I - IT Telecom	1070	0002	CNP Service Company, LLC	\$ 13,994.87
606	2014	S/156200/CP/HEBM006-TC	AOC Phase I - IT Telecom	9220	0002	CNP Service Company, LLC	\$ 4,054.80
607	2014	S/156200/CP/HEBM007-B	Outage Management - Business	9220	0002	CNP Service Company, LLC	-\$ 808.11
608	2014	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 2,101,936.82
609	2014	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9220	0002	CNP Service Company, LLC	\$ 330,449.48
610	2014	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	9230	0002	CNP Service Company, LLC	\$ 661.10
611	2014	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	0002	CNP Service Company, LLC	\$ 61,855.29
612	2014	S/156200/CP/HED024	BM - Mandated Revenue Changes	9220	0002	CNP Service Company, LLC	\$ 75,086.35
613	2014	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	0002	CNP Service Company, LLC	\$ 29,132.03
614	2014	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	9220	0002	CNP Service Company, LLC	\$ 111,385.33
615	2014	S/156200/CP/HED062	LD Pro Update	9230	0002	CNP Service Company, LLC	\$ 0.80
616	2014	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	\$ 2,369,809.03
617	2014	S/156200/CP/HED072	IOSS (AMS)	9230	0002	CNP Service Company, LLC	\$ 0.39
618	2014	S/156200/CP/HED073	SD SOA (AMS)	1070	0002	CNP Service Company, LLC	-\$ 2,038.31
619	2014	S/156200/CP/HED073	SD SOA (AMS)	9220	0002	CNP Service Company, LLC	\$ 142,186.96
620	2014	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 713,160.00
621	2014	S/156200/CP/HED074	SD EAI (AMS)	9220	0002	CNP Service Company, LLC	\$ 304,951.15
622	2014	S/156200/CP/HED074	SD EAI (AMS)	9230	0002	CNP Service Company, LLC	\$ 139,387.71
623	2014	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	\$ 55,806.99

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624	2014	S/156200/CP/HED075	SD CIS (AMS)	9220	0002	CNP Service Company, LLC	\$ 58,798.48
625	2014	S/156200/CP/HED078	AMS Analytics	1070	0002	CNP Service Company, LLC	\$ 314,035.53
626	2014	S/156200/CP/HED078	AMS Analytics	9220	0002	CNP Service Company, LLC	\$ 205,397.62
627	2014	S/156200/CP/HED078	AMS Analytics	9230	0002	CNP Service Company, LLC	\$ 835,666.15
628	2014	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	0002	CNP Service Company, LLC	\$ 7,056,529.64
629	2014	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9220	0002	CNP Service Company, LLC	\$ 777,099.11
630	2014	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	9230	0002	CNP Service Company, LLC	\$ 3,348,865.67
631	2014	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	0002	CNP Service Company, LLC	-\$ 126,316.77
632	2014	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	9220	0002	CNP Service Company, LLC	\$ 270,843.97
633	2014	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	9230	0002	CNP Service Company, LLC	\$ 189,252.50
634	2014	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	0002	CNP Service Company, LLC	\$ 141,774.49
635	2014	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	9220	0002	CNP Service Company, LLC	\$ 16,766.88
636	2014	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	9230	0002	CNP Service Company, LLC	\$ 447.00
637	2014	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	0002	CNP Service Company, LLC	\$ 27,767.35
638	2014	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	9220	0002	CNP Service Company, LLC	\$ 261,371.21
639	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 338,151.54
640	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 139,483.59
641	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 17,471.88
642	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 338,151.54
643	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9220	0002	CNP Service Company, LLC	\$ 139,483.61
644	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	9230	0002	CNP Service Company, LLC	\$ 17,471.89
645	2014	S/156200/CP/HED095	Asset Management for CEHE	1070	0002	CNP Service Company, LLC	\$ 148,142.95
646	2014	S/156200/CP/HED095	Asset Management for CEHE	9220	0002	CNP Service Company, LLC	\$ 59,100.37
647	2014	S/156200/CP/HED095	Asset Management for CEHE	9230	0002	CNP Service Company, LLC	\$ 13,326.24
648	2014	S/156200/CP/HED095-B	Asset Management for CEHE - Business	9220	0002	CNP Service Company, LLC	\$ 37,887.37
649	2014	S/156200/CP/HED098	Outage Notification	1070	0002	CNP Service Company, LLC	\$ 742.50
650	2014	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 624,019.68
651	2014	S/156200/CP/HED104	Security - Intelligent Grid (IG)	9220	0002	CNP Service Company, LLC	\$ 100,752.96
652	2014	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	0002	CNP Service Company, LLC	\$ 170,337.48
653	2014	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	9230	0002	CNP Service Company, LLC	\$ 13,489.03
654	2014	S/156200/CP/HED125	ADMS (AMS)	1070	0002	CNP Service Company, LLC	\$ 4,077,937.83
655	2014	S/156200/CP/HED125	ADMS (AMS)	9220	0002	CNP Service Company, LLC	\$ 626,721.46
656	2014	S/156200/CP/HED125	ADMS (AMS)	9230	0002	CNP Service Company, LLC	\$ 111,574.63
657	2014	S/156200/CP/HED126	WiFi 4G Rollout	1070	0002	CNP Service Company, LLC	-\$ 60,365.10
658	2014	S/156200/CP/HED126	WiFi 4G Rollout	9220	0002	CNP Service Company, LLC	\$ 60,365.10
659	2014	S/156200/CP/HED127	Service Center of the Future	1070	0002	CNP Service Company, LLC	\$ 50,659.33
660	2014	S/156200/CP/HED128	Investment Prioritization Tool	1070	0002	CNP Service Company, LLC	\$ 19,278.41
661	2014	S/156200/CP/HED128	Investment Prioritization Tool	9220	0002	CNP Service Company, LLC	\$ 1,574.41
662	2014	S/156200/CP/HED128	Investment Prioritization Tool	9230	0002	CNP Service Company, LLC	\$ 65,966.97
663	2014	S/156200/CP/HED129	AMS Analytics & Data Services	1070	0002	CNP Service Company, LLC	-\$ 6,539.79
664	2014	S/156200/CP/HED129	AMS Analytics & Data Services	9220	0002	CNP Service Company, LLC	\$ 6,539.76
665	2014	S/156200/CP/HED133	DDS Enhancements	9220	0002	CNP Service Company, LLC	\$ 14,290.62
666	2014	S/156200/CP/HED133	DDS Enhancements	9230	0002	CNP Service Company, LLC	\$ 14,880.00
667	2014	S/156200/CP/HED136	Critical Integration Management Office	1070	0002	CNP Service Company, LLC	\$ 852,851.93
668	2014	S/156200/CP/HED136	Critical Integration Management Office	9220	0002	CNP Service Company, LLC	\$ 4,420.37
669	2014	S/156200/CP/HED159	Project Engineering Reporting	1070	0002	CNP Service Company, LLC	\$ 19,759.44
670	2014	S/156200/CP/HED159	Project Engineering Reporting	9220	0002	CNP Service Company, LLC	\$ 49,108.87
671	2014	S/156200/CP/HED159	Project Engineering Reporting	9230	0002	CNP Service Company, LLC	\$ 50,670.00

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672	2014	S/156200/CP/HED161	Fleet Management - IT	1070	0002	CNP Service Company, LLC	\$ 285,475.59
673	2014	S/156200/CP/HED161	Fleet Management - IT	9220	0002	CNP Service Company, LLC	\$ 337,726.09
674	2014	S/156200/CP/HED161	Fleet Management - IT	9230	0002	CNP Service Company, LLC	\$ 164,231.75
675	2014	S/156200/CP/HED161-B	Fleet Management - Business	9220	0002	CNP Service Company, LLC	\$ 45,084.00
676	2014	S/156200/CP/HED162	Active Risk Management - IT	9220	0002	CNP Service Company, LLC	\$ 3,265.44
677	2014	S/156200/CP/HED162	Active Risk Management - IT	9230	0002	CNP Service Company, LLC	\$ 50,091.49
678	2014	S/156200/CP/HED162-B	Active Risk Management - Business	9220	0002	CNP Service Company, LLC	\$ 3,940.30
679	2014	S/156200/CP/HED179	CEHE Asset LCA	1070	0002	CNP Service Company, LLC	\$ 498,851.00
680	2014	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	0002	CNP Service Company, LLC	\$ 6,560.85
681	2014	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	9220	0002	CNP Service Company, LLC	\$ 9,716.18
682	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	0002	CNP Service Company, LLC	\$ 75,650.67
683	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9230	0002	CNP Service Company, LLC	\$ 87,068.73
684	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9310	0002	CNP Service Company, LLC	\$ 175.77
685	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9320	0002	CNP Service Company, LLC	\$ 24,256.49
686	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	0002	CNP Service Company, LLC	-\$ 24,577.73
687	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9230	0002	CNP Service Company, LLC	-\$ 94,177.50
688	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9310	0002	CNP Service Company, LLC	-\$ 217.00
689	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9320	0002	CNP Service Company, LLC	-\$ 29,946.28
690	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	0002	CNP Service Company, LLC	-\$ 14,296.53
691	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	9230	0002	CNP Service Company, LLC	-\$ 13,314.75
692	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	0002	CNP Service Company, LLC	-\$ 54,521.62
693	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	0002	CNP Service Company, LLC	\$ 644,389.76
694	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	9230	0002	CNP Service Company, LLC	\$ 375.20
695	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	0002	CNP Service Company, LLC	-\$ 77,823.31
696	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	9230	0002	CNP Service Company, LLC	-\$ 414.49
697	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	0002	CNP Service Company, LLC	-\$ 717,719.61
698	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	9230	0002	CNP Service Company, LLC	-\$ 48.71
699	2014	S/156200/CP/ITD089-CF-B	AOC Phase II - CEHE Feeder -Business	1070	0002	CNP Service Company, LLC	\$ 192,186.10
700	2014	S/156200/CP/ITD089-CF-B	AOC Phase II - CEHE Feeder -Business	1070	0002	CNP Service Company, LLC	-\$ 69,928.50
701	2014	S/156200/CP/ITD089-CF-B	AOC Phase II - CEHE Feeder -Business	1070	0002	CNP Service Company, LLC	-\$ 167,338.29
702	2014	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-CN	1070	0002	CNP Service Company, LLC	\$ 92,280.17
703	2014	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	9220	0002	CNP Service Company, LLC	\$ 0.01
704	2014	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	9320	0002	CNP Service Company, LLC	\$ 33,267,911.72
705	2014	S/156200/CP/ITD089-CN-B	AOC Phase II - AOC Construction-Business	9220	0002	CNP Service Company, LLC	\$ 79,768.50
706	2014	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	0002	CNP Service Company, LLC	\$ 29,626.27
707	2014	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	9220	0002	CNP Service Company, LLC	\$ 12,706.20
708	2014	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	1070	0002	CNP Service Company, LLC	\$ 42,727.78
709	2014	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	9320	0002	CNP Service Company, LLC	-\$ 213,494.86
710	2014	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	0002	CNP Service Company, LLC	\$ 859,574.57
711	2014	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	9220	0002	CNP Service Company, LLC	\$ 83,729.37
712	2014	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	9230	0002	CNP Service Company, LLC	\$ 1,368.90
713	2014	S/156200/CP/ITD089-FM	AOC Phase II - Facility Management	1070	0002	CNP Service Company, LLC	\$ 2,682.34
714	2014	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	0002	CNP Service Company, LLC	\$ 75,302.39
715	2014	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	9220	0002	CNP Service Company, LLC	\$ 34,373.00
716	2014	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	0002	CNP Service Company, LLC	\$ 75,392.58
717	2014	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	9220	0002	CNP Service Company, LLC	\$ 28,980.80
718	2014	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	0002	CNP Service Company, LLC	\$ 94,239.26
719	2014	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	9220	0002	CNP Service Company, LLC	\$ 44,179.12

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720	2014	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	0002	CNP Service Company, LLC	\$ 995,655.54
721	2014	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	9230	0002	CNP Service Company, LLC	\$ 826,967.47
722	2014	S/156200/CP/ITD089-PM-B	AOC Phase II - Project Mgmt Support -Bus	9220	0002	CNP Service Company, LLC	\$ 12,109.15
723	2014	S/156200/CP/ITD089-PR-B	AOC Phase II - Purchasing - Business	9220	0002	CNP Service Company, LLC	\$ 6,889.10
724	2014	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	0002	CNP Service Company, LLC	\$ 10,016.47
725	2014	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	9220	0002	CNP Service Company, LLC	\$ 4,385.41
726	2014	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	1070	0002	CNP Service Company, LLC	\$ 270,650.00
727	2014	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	9220	0002	CNP Service Company, LLC	\$ 3,269.89
728	2014	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	9230	0002	CNP Service Company, LLC	\$ 212,225.00
729	2014	S/156200/CP/ITD106-E	Enterprise Portfolio Mgmt - Electric	9220	0002	CNP Service Company, LLC	\$ 19,829.05
730	2015	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 1,982.12
731	2015	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 725.50
732	2015	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 7,766.43
733	2015	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 71,902.54
734	2015	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 47,319.71
735	2015	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 237,444.44
736	2015	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 1,151.11
737	2015	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 3,453.35
738	2015	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 1,948.04
739	2015	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 1,239.66
740	2015	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 1,682.40
741	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 3,622.75
742	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 11,385.77
743	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 1,552.61
744	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 13,197.05
745	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 40,885.28
746	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 20,183.87
747	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 13,455.91
748	2015	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 3,105.21
749	2015	156239	Mkt/Field/Logistics	9220	0002	CNP Service Company, LLC	\$ 80.84
750	2015	156239	Mkt/Field/Logistics	9220	0002	CNP Service Company, LLC	\$ 62.28
751	2015	156261	Bus Tech Support	9220	0002	CNP Service Company, LLC	\$ 4,605.12
752	2015	156265	Technical Operations	9220	0002	CNP Service Company, LLC	\$ 148.08
753	2015	156266	Operational/Corp Ana	9220	0002	CNP Service Company, LLC	\$ 655.87
754	2015	156283	Network Operations	9220	0002	CNP Service Company, LLC	\$ 10,692.63
755	2015	11032723	Legal to IG SGIG Support	9220	0002	CNP Service Company, LLC	\$ 237.33
756	2015	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	9220	0002	CNP Service Company, LLC	\$ 1,222.25
757	2015	11034334	CLSDLegal to Oyster Creek CCN-CAP	9220	0002	CNP Service Company, LLC	\$ 4,485.54
758	2015	11034334	CLSDLegal to Oyster Creek CCN-CAP	9230	0002	CNP Service Company, LLC	\$ 27,398.10
759	2015	11034335	CLSD Legal to Zenith - Franz CCN - CAP	9220	0002	CNP Service Company, LLC	\$ 4,817.80
760	2015	11035167	CLSDLegal to Brazos Vally Connection-CAP	9210	0002	CNP Service Company, LLC	\$ 17,109.14
761	2015	11035167	CLSDLegal to Brazos Vally Connection-CAP	9220	0002	CNP Service Company, LLC	\$ 275,113.92
762	2015	11035167	CLSDLegal to Brazos Vally Connection-CAP	9230	0002	CNP Service Company, LLC	\$ 3,083,239.53
763	2015	11036707	CLSD Legal to Merfish T-Line Crossing	9220	0002	CNP Service Company, LLC	\$ 711.99
764	2015	11036707	CLSD Legal to Merfish T-Line Crossing	9230	0002	CNP Service Company, LLC	\$ 5,000.10
765	2015	11037101	CLSD Reg to CEHE BVC CCN 2015	9210	0002	CNP Service Company, LLC	\$ 54,934.84
766	2015	11037101	CLSD Reg to CEHE BVC CCN 2015	9230	0002	CNP Service Company, LLC	\$ 22,614.56
767	2015	11037101	CLSD Reg to CEHE BVC CCN 2015	9320	0002	CNP Service Company, LLC	\$ 1,576.12

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Line No	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount
768	2015	11037380	Legal to Brazos Valley Land/ROW - CAP	9220	0002	CNP Service Company, LLC	\$ 9,433.87
769	2015	11037380	Legal to Brazos Valley Land/ROW - CAP	9230	0002	CNP Service Company, LLC	\$ 85,346.73
770	2015	S/156200/CP/ENTB005	Oracle Fusion - Capital	1070	0002	CNP Service Company, LLC	\$ 968,477.03
771	2015	S/156200/CP/ENTBM001	DB2 BW Historical Migration to HANA - IT	1070	0002	CNP Service Company, LLC	\$ 114,201.68
772	2015	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	0002	CNP Service Company, LLC	\$ 33,487.50
773	2015	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	1070	0002	CNP Service Company, LLC	\$ 890.96
774	2015	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	0002	CNP Service Company, LLC	\$ 707,037.14
775	2015	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	9220	0002	CNP Service Company, LLC	\$ 80.72
776	2015	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	1070	0002	CNP Service Company, LLC	\$ 2,489.81
777	2015	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	9220	0002	CNP Service Company, LLC	\$ 4,658.98
778	2015	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	0002	CNP Service Company, LLC	\$ 7,379.85
779	2015	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	9220	0002	CNP Service Company, LLC	\$ 49,072.37
780	2015	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	0002	CNP Service Company, LLC	-\$ 60,445.82
781	2015	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	9220	0002	CNP Service Company, LLC	-\$ 0.01
782	2015	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	0002	CNP Service Company, LLC	\$ 239,624.66
783	2015	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	0002	CNP Service Company, LLC	\$ 8,411.91
784	2015	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	9220	0002	CNP Service Company, LLC	\$ 31,565.54
785	2015	S/156200/CP/ENTD100	Data Center Modernization - IT	1070	0002	CNP Service Company, LLC	\$ 38,458.97
786	2015	S/156200/CP/ENTD100	Data Center Modernization - IT	9320	0002	CNP Service Company, LLC	\$ 1,720.22
787	2015	S/156200/CP/ENTD103	SAP Health & Safety	1070	0002	CNP Service Company, LLC	\$ 161,980.64
788	2015	S/156200/CP/ENTD114	Fixed Asset - IT	1070	0002	CNP Service Company, LLC	\$ 505,905.70
789	2015	S/156200/CP/ENTD114-B	Fixed Asset - Business	1070	0002	CNP Service Company, LLC	\$ 3,772.21
790	2015	S/156200/CP/ENTD114-B	Fixed Asset - Business	9220	0002	CNP Service Company, LLC	\$ 4,626.11
791	2015	S/156200/CP/ENTD116	Preference Center - IT only	1070	0002	CNP Service Company, LLC	\$ 632,401.58
792	2015	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	0002	CNP Service Company, LLC	\$ 19,493.88
793	2015	S/156200/CP/ENTD116-B	Preference Center - Business only	9220	0002	CNP Service Company, LLC	\$ 10,850.98
794	2015	S/156200/CP/ENTD133	Integrity Check	1070	0002	CNP Service Company, LLC	\$ 48,839.95
795	2015	S/156200/CP/ENTD138	Web Enhancements	1070	0002	CNP Service Company, LLC	\$ 45,909.22
796	2015	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	0002	CNP Service Company, LLC	-\$ 161,220.00
797	2015	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	0002	CNP Service Company, LLC	\$ 25,782.66
798	2015	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	0002	CNP Service Company, LLC	\$ 8,010.50
799	2015	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	0002	CNP Service Company, LLC	\$ 26,109.91
800	2015	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	0002	CNP Service Company, LLC	\$ 82.29
801	2015	S/156200/CP/HEBM008	AMS Analytics - Real Time Mgmt	1070	0002	CNP Service Company, LLC	\$ 2,094,433.12
802	2015	S/156200/CP/HEBM009	AMS Analytics - Operations	1070	0002	CNP Service Company, LLC	\$ 1,898,936.55
803	2015	S/156200/CP/HEBM009	AMS Analytics - Operations	9320	0002	CNP Service Company, LLC	\$ 1,703.26
804	2015	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 1,950,444.61
805	2015	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	0002	CNP Service Company, LLC	\$ 239,873.53
806	2015	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	\$ 249,228.63
807	2015	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,072,028.74
808	2015	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	\$ 337,480.82
809	2015	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	0002	CNP Service Company, LLC	\$ 946,503.31
810	2015	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	0002	CNP Service Company, LLC	\$ 45,195.00
811	2015	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	9220	0002	CNP Service Company, LLC	\$ 6,139.03
812	2015	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	0002	CNP Service Company, LLC	\$ 25,736.95
813	2015	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	0002	CNP Service Company, LLC	\$ 0.19
814	2015	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	9220	0002	CNP Service Company, LLC	\$ 62,607.37
815	2015	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 52,851.02

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816	2015	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	0002	CNP Service Company, LLC	\$ 56,120.11
817	2015	S/156200/CP/HED095	Asset Management for CEHE	1070	0002	CNP Service Company, LLC	\$ 429,625.94
818	2015	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 242,974.79
819	2015	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 1,688.43
820	2015	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	0002	CNP Service Company, LLC	\$ 152,165.32
821	2015	S/156200/CP/HED125	ADMS (AMS)	1070	0002	CNP Service Company, LLC	\$ 1,451,687.77
822	2015	S/156200/CP/HED127	Service Center of the Future	1070	0002	CNP Service Company, LLC	\$ 103,742.63
823	2015	S/156200/CP/HED127-BC	SCOTF - Meter Bar Code	1070	0002	CNP Service Company, LLC	\$ 11,555.24
824	2015	S/156200/CP/HED127-UM	SCOTF - Unplanned Material Request	1070	0002	CNP Service Company, LLC	\$ 13,615.93
825	2015	S/156200/CP/HED128	Investment Prioritization Tool	1070	0002	CNP Service Company, LLC	\$ 25,796.29
826	2015	S/156200/CP/HED133	DDS Enhancements	1070	0002	CNP Service Company, LLC	\$ 63,016.03
827	2015	S/156200/CP/HED133-B	DDS Enhancements - Business	1070	0002	CNP Service Company, LLC	\$ 9,045.00
828	2015	S/156200/CP/HED136	Critical Integration Management Office	1070	0002	CNP Service Company, LLC	\$ 347,786.24
829	2015	S/156200/CP/HED159	Project Engineering Reporting	1070	0002	CNP Service Company, LLC	\$ 129,310.96
830	2015	S/156200/CP/HED161	Fleet Management - IT	1070	0002	CNP Service Company, LLC	-\$ 1,626.70
831	2015	S/156200/CP/HED162	Active Risk Management - IT	1070	0002	CNP Service Company, LLC	-\$ 50,800.64
832	2015	S/156200/CP/HED178	Mobile Data for Contractors - IT	1070	0002	CNP Service Company, LLC	\$ 132,316.42
833	2015	S/156200/CP/HED179	CEHE Asset LCA	1070	0002	CNP Service Company, LLC	-\$ 8,250.00
834	2015	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	0002	CNP Service Company, LLC	-\$ 11,938.10
835	2015	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	0002	CNP Service Company, LLC	\$ 6,387.56
836	2015	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	0002	CNP Service Company, LLC	\$ 69,935.29
837	2015	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	9320	0002	CNP Service Company, LLC	\$ 1,182,098.87
838	2015	S/156200/CP/ITD089-CN-B	AOC Phase II - AOC Construction-Business	9220	0002	CNP Service Company, LLC	\$ 15,929.78
839	2015	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	0002	CNP Service Company, LLC	\$ 22,065,072.39
840	2015	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	1070	0002	CNP Service Company, LLC	\$ 25,783.33
841	2015	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	9320	0002	CNP Service Company, LLC	\$ 16,398.49
842	2015	S/156200/CP/ITD089-DB	AOC Phase II - Database - IT ONLY	1070	0002	CNP Service Company, LLC	\$ 119,806.97
843	2015	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	0002	CNP Service Company, LLC	\$ 4,332,742.53
844	2015	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	9230	0002	CNP Service Company, LLC	\$ 2,856.41
845	2015	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	9320	0002	CNP Service Company, LLC	\$ 3,840.49
846	2015	S/156200/CP/ITD089-DS	AOC Phase II - Desktop Services	1070	0002	CNP Service Company, LLC	\$ 28,516.27
847	2015	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	0002	CNP Service Company, LLC	\$ 2,348,388.62
848	2015	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	0002	CNP Service Company, LLC	\$ 4,043,308.31
849	2015	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	0002	CNP Service Company, LLC	\$ 6,075,074.69
850	2015	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	0002	CNP Service Company, LLC	\$ 5,947,337.23
851	2015	S/156200/CP/ITD089-PM-B	AOC Phase II - Project Mgmt Support -Bus	1070	0002	CNP Service Company, LLC	\$ 79,105.53
852	2015	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	0002	CNP Service Company, LLC	\$ 696,586.35
853	2015	S/156200/CP/ITD089-SD-E	AOC Phase II - IT Applications- Electric	9220	0002	CNP Service Company, LLC	\$ 78,131.66
854	2015	S/156200/CP/ITD089-TC	AOC Phase II - IT Telecom	1070	0002	CNP Service Company, LLC	\$ 65,563.05
855	2015	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	1070	0002	CNP Service Company, LLC	\$ 2,724.99
856	2015	S/156200/CP/SAPBM-BW	SAP BM Capital Business Warehouse	1070	0002	CNP Service Company, LLC	\$ 520,521.11
857	2015	S/156200/CP/SAPBM-FIN	SAP BM Capital Finance	1070	0002	CNP Service Company, LLC	\$ 117,939.95
858	2015	S/156200/CP/SAPBM-HR	SAP BM Capital Human Resources	1070	0002	CNP Service Company, LLC	\$ 96,324.95
859	2016	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 42,998.47
860	2016	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 47,465.98
861	2016	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 42,651.35
862	2016	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 2,696.25
863	2016	156102	FM PROJECT MANAGEMENT	9220	0002	CNP Service Company, LLC	\$ 4,329.36

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864	2016	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 2,164.68
865	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	9220	0002	CNP Service Company, LLC	\$ 3,612.17
866	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	9230	0002	CNP Service Company, LLC	\$ 17,981.14
867	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	9220	0002	CNP Service Company, LLC	\$ 113.27
868	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	9230	0002	CNP Service Company, LLC	\$ 2,298.00
869	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	9210	0002	CNP Service Company, LLC	\$ 1,294.40
870	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	9220	0002	CNP Service Company, LLC	\$ 19,044.64
871	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	9230	0002	CNP Service Company, LLC	\$ 182,014.53
872	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	9210	0002	CNP Service Company, LLC	\$ 1,172.05
873	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	9220	0002	CNP Service Company, LLC	\$ 1,585.84
874	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	9230	0002	CNP Service Company, LLC	\$ 8,555.00
875	2016	11037101	CLSD Reg to CEHE BVC CCN 2015	9210	0002	CNP Service Company, LLC	\$ 1,882.01
876	2016	11037380	Legal to Brazos Valley Land/ROW - CAP	9210	0002	CNP Service Company, LLC	\$ 221,752.56
877	2016	11037380	Legal to Brazos Valley Land/ROW - CAP	9220	0002	CNP Service Company, LLC	\$ 458,919.92
878	2016	11037380	Legal to Brazos Valley Land/ROW - CAP	9230	0002	CNP Service Company, LLC	\$ 653,440.73
879	2016	S/156200/CP/ENTB001-CP	BR - Computing Plat	1070	0002	CNP Service Company, LLC	\$ 191,712.30
880	2016	S/156200/CP/ENTB001-DC	BR - Management	1070	0002	CNP Service Company, LLC	\$ 309,469.09
881	2016	S/156200/CP/ENTB001-DC	BR - Management	9320	0002	CNP Service Company, LLC	\$ 178.72
882	2016	S/156200/CP/ENTB005	Oracle Fusion - Capital	1070	0002	CNP Service Company, LLC	\$ 921,506.87
883	2016	S/156200/CP/ENTB006	MAO Optimization	1070	0002	CNP Service Company, LLC	\$ 41,493.16
884	2016	S/156200/CP/ENTB009	Fusion 11.7 Upgrade	1070	0002	CNP Service Company, LLC	\$ 109,355.39
885	2016	S/156200/CP/ENTBM001	DB2 BW Historical Migration to HANA - IT	1070	0002	CNP Service Company, LLC	-\$ 171.50
886	2016	S/156200/CP/ENTBM003-TEL	Analytics Real Time Mgmt -BM- Telecomm	1070	0002	CNP Service Company, LLC	\$ 227,843.86
887	2016	S/156200/CP/ENTBM004-TEL	Analytics Operations BM - Telecomm	1070	0002	CNP Service Company, LLC	\$ 283,726.54
888	2016	S/156200/CP/ENTBM005	HANA - OWP Historical Data	1070	0002	CNP Service Company, LLC	\$ 496,982.69
889	2016	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	0002	CNP Service Company, LLC	-\$ 15,718.19
890	2016	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	0002	CNP Service Company, LLC	\$ 314,293.55
891	2016	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	1070	0002	CNP Service Company, LLC	-\$ 1,366.80
892	2016	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	0002	CNP Service Company, LLC	-\$ 2,457.60
893	2016	S/156200/CP/ENTD114	Fixed Asset - IT	1070	0002	CNP Service Company, LLC	-\$ 9,952.00
894	2016	S/156200/CP/ENTD116	Preference Center - IT only	1070	0002	CNP Service Company, LLC	\$ 1,072,736.94
895	2016	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	0002	CNP Service Company, LLC	\$ 72,760.33
896	2016	S/156200/CP/ENTD116-B	Preference Center - Business only	9220	0002	CNP Service Company, LLC	\$ 9,314.90
897	2016	S/156200/CP/ENTD134-OEM	OEM Implementation of Fusion Resiliency	1070	0002	CNP Service Company, LLC	\$ 495,668.89
898	2016	S/156200/CP/ENTD135-DL	Data Loss Prevention	1070	0002	CNP Service Company, LLC	\$ 305,207.80
899	2016	S/156200/CP/ENTD135-SE	SIEM Expansion	1070	0002	CNP Service Company, LLC	\$ 138,962.25
900	2016	S/156200/CP/ENTD135-SO	Security Operations Center	1070	0002	CNP Service Company, LLC	\$ 198,922.50
901	2016	S/156200/CP/ENTD137-TEL	Analytics Operations Discr - Telecomm	1070	0002	CNP Service Company, LLC	\$ 112,231.04
902	2016	S/156200/CP/ENTDMDSI	MDSI Enhancements - IT	1070	0002	CNP Service Company, LLC	\$ 282,476.11
903	2016	S/156200/CP/HEB009-E	AMS Firewall Refresh - Business	1070	0002	CNP Service Company, LLC	\$ 140,675.51
904	2016	S/156200/CP/HEB008	AMS Analytics - Real Time Mgmt	1070	0002	CNP Service Company, LLC	\$ 14,187.38
905	2016	S/156200/CP/HEB009	AMS Analytics - Operations	1070	0002	CNP Service Company, LLC	-\$ 6,539.03
906	2016	S/156200/CP/HEB011-S	CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 968,517.64
907	2016	S/156200/CP/HEB012-EH	eHSM Incident Management	1070	0002	CNP Service Company, LLC	\$ 81,165.63
908	2016	S/156200/CP/HEB013	HANA- C&I REG BM	1070	0002	CNP Service Company, LLC	\$ 614,718.45
909	2016	S/156200/CP/HEB014	HANA- Netezza Migration	1070	0002	CNP Service Company, LLC	\$ 3,758,336.66
910	2016	S/156200/CP/HEB014	HANA- Netezza Migration	9220	0002	CNP Service Company, LLC	\$ 499.20
911	2016	S/156200/CP/HEB014-B	HANA- Netezza Migration - Business	1070	0002	CNP Service Company, LLC	\$ 39,289.92

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912	2016	S/156200/CP/HEBM014-B	HANA- Netezza Migration - Business	9220	0002	CNP Service Company, LLC	\$ 26,457.60
913	2016	S/156200/CP/HED002	iTrack- SAP Integration	1070	0002	CNP Service Company, LLC	\$ 596,049.35
914	2016	S/156200/CP/HED072	IOSS (AMS)	1070	0002	CNP Service Company, LLC	-\$ 42,275.00
915	2016	S/156200/CP/HED074	SD EAI (AMS)	1070	0002	CNP Service Company, LLC	\$ 56,450.46
916	2016	S/156200/CP/HED075	SD CIS (AMS)	1070	0002	CNP Service Company, LLC	-\$ 12,510.00
917	2016	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	0002	CNP Service Company, LLC	-\$ 6,139.03
918	2016	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	0002	CNP Service Company, LLC	-\$ 20,493.39
919	2016	S/156200/CP/HED095	Asset Management for CEHE	1070	0002	CNP Service Company, LLC	\$ 3,531.49
920	2016	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	0002	CNP Service Company, LLC	\$ 148,402.12
921	2016	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	0002	CNP Service Company, LLC	-\$ 13,614.62
922	2016	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	9230	0002	CNP Service Company, LLC	-\$ 13,489.03
923	2016	S/156200/CP/HED125	ADMS (AMS)	1070	0002	CNP Service Company, LLC	-\$ 544.28
924	2016	S/156200/CP/HED127	Service Center of the Future	1070	0002	CNP Service Company, LLC	\$ 10,984.80
925	2016	S/156200/CP/HED127-UM	SCOTF - Unplanned Material Request	1070	0002	CNP Service Company, LLC	\$ 4,887.84
926	2016	S/156200/CP/HED133	DDS Enhancements	1070	0002	CNP Service Company, LLC	\$ 55,076.68
927	2016	S/156200/CP/HED133-B	DDS Enhancements - Business	1070	0002	CNP Service Company, LLC	-\$ 3,688.35
928	2016	S/156200/CP/HED136	Critical Integration Management Office	1070	0002	CNP Service Company, LLC	-\$ 12,768.00
929	2016	S/156200/CP/HED159	Project Engineering Reporting	1070	0002	CNP Service Company, LLC	\$ 93,178.39
930	2016	S/156200/CP/HED178	Mobile Data for Contractors - IT	1070	0002	CNP Service Company, LLC	\$ 27,666.95
931	2016	S/156200/CP/HED182	HANA- Hardware Expansion	1070	0002	CNP Service Company, LLC	\$ 300,000.00
932	2016	S/156200/CP/HED183	MDM 7.7 Upgrade Project	1070	0002	CNP Service Company, LLC	\$ 96,104.86
933	2016	S/156200/CP/HED184	MDM EMA 20 Upgrade Project	1070	0002	CNP Service Company, LLC	\$ 34,163.93
934	2016	S/156200/CP/HED185	MDM Flex Sync Project	1070	0002	CNP Service Company, LLC	\$ 20,657.37
935	2016	S/156200/CP/HED186	Asset Health URD	1070	0002	CNP Service Company, LLC	\$ 93,500.00
936	2016	S/156200/CP/HED187	Safety Analytics Reporting	1070	0002	CNP Service Company, LLC	\$ 236,995.89
937	2016	S/156200/CP/HED188-IGSD	Asset Mgmt for CEHE-IGSD	1070	0002	CNP Service Company, LLC	\$ 30,667.11
938	2016	S/156200/CP/HED188-RELAY	Asset Mgmt for CEHE-Relay Sys	1070	0002	CNP Service Company, LLC	\$ 69,736.05
939	2016	S/156200/CP/ITD089-BR	AOC Phase II - Business Resiliency	1070	0002	CNP Service Company, LLC	\$ 612,834.53
940	2016	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	0002	CNP Service Company, LLC	\$ 12.32
941	2016	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	0002	CNP Service Company, LLC	-\$ 15.20
942	2016	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	0002	CNP Service Company, LLC	\$ 53,481.60
943	2016	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	9220	0002	CNP Service Company, LLC	\$ 7,890.14
944	2016	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	9320	0002	CNP Service Company, LLC	\$ 145,972.19
945	2016	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	0002	CNP Service Company, LLC	\$ 3,966.46
946	2016	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	0002	CNP Service Company, LLC	\$ 1,498,487.20
947	2016	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	9320	0002	CNP Service Company, LLC	\$ 284,567.24
948	2016	S/156200/CP/ITD089-DS	AOC Phase II - Desktop Services	1070	0002	CNP Service Company, LLC	\$ 47,305.62
949	2016	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	0002	CNP Service Company, LLC	\$ 66,676.71
950	2016	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	0002	CNP Service Company, LLC	\$ 202,681.34
951	2016	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	0002	CNP Service Company, LLC	\$ 565,315.10
952	2016	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	0002	CNP Service Company, LLC	\$ 1,271,088.10
953	2016	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	0002	CNP Service Company, LLC	\$ 19,119.24
954	2016	S/156200/CP/ITD089-TC	AOC Phase II - IT Telecom	1070	0002	CNP Service Company, LLC	\$ 43,633.59
955	2016	S/156200/CP/SAPBM-BW	SAP BM Capital Business Warehouse	1070	0002	CNP Service Company, LLC	\$ 0.10
956	2016	S/156200/CP/SAPBM-FIN	SAP BM Capital Finance	1070	0002	CNP Service Company, LLC	\$ 163,575.11
957	2016	S/156200/CP/SAPBM-HA-LO	SAP BM LOA	1070	0002	CNP Service Company, LLC	\$ 257,418.83
958	2016	S/156200/CP/SAPBM-HR	SAP BM Capital Human Resources	1070	0002	CNP Service Company, LLC	\$ 0.01
959	2016	S/156200/CP/SAPBM-SS	SAP BM Capital Shared Services	1070	0002	CNP Service Company, LLC	\$ 0.07

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Line No	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount
960	2017	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 4,537.10
961	2017	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 5,306.10
962	2017	125104	Property Accounting	9220	0002	CNP Service Company, LLC	\$ 80,899.92
963	2017	125115	ResidentialElec Bill	9220	0002	CNP Service Company, LLC	\$ 449.63
964	2017	125127	Lg Comm& Indus Bill	9220	0002	CNP Service Company, LLC	\$ 1,113.80
965	2017	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 5,650.11
966	2017	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 2,208.64
967	2017	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 11,043.20
968	2017	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 1,380.40
969	2017	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 14,908.32
970	2017	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 40,859.84
971	2017	156266	Operational/Corp Ana	9220	0002	CNP Service Company, LLC	\$ 1,058.98
972	2017	11037380	Legal to Brazos Valley Land/ROW - CAP	9210	0002	CNP Service Company, LLC	\$ 168,314.72
973	2017	11037380	Legal to Brazos Valley Land/ROW - CAP	9220	0002	CNP Service Company, LLC	\$ 114,812.22
974	2017	11037380	Legal to Brazos Valley Land/ROW - CAP	9230	0002	CNP Service Company, LLC	\$ 229,978.79
975	2017	S/156200/CP/ENTB001-CP	BR - Computing Plat	1070	0002	CNP Service Company, LLC	\$ 1,762.68
976	2017	S/156200/CP/ENTB001-DB	Disaster Recovery - Database	1070	0002	CNP Service Company, LLC	\$ 33,839.02
977	2017	S/156200/CP/ENTB001-DC	BR - Management	1070	0002	CNP Service Company, LLC	\$ 647,331.41
978	2017	S/156200/CP/ENTB001-DC	BR - Management	9320	0002	CNP Service Company, LLC	\$ 28,193.54
979	2017	S/156200/CP/ENTB001-LN	BR - LAN Services	1070	0002	CNP Service Company, LLC	\$ 277,499.01
980	2017	S/156200/CP/ENTB001-NW	BR - Network	1070	0002	CNP Service Company, LLC	\$ 455,673.97
981	2017	S/156200/CP/ENTB005	Oracle Fusion - Capital	1070	0002	CNP Service Company, LLC	\$ 1,357,043.15
982	2017	S/156200/CP/ENTB009	Fusion 11.7 Upgrade	1070	0002	CNP Service Company, LLC	\$ 208,506.59
983	2017	S/156200/CP/ENTB009-B	Fusion 11.7 Upgrade-B	1070	0002	CNP Service Company, LLC	\$ 16,925.96
984	2017	S/156200/CP/ENTB009-B	Fusion 11.7 Upgrade-B	9220	0002	CNP Service Company, LLC	\$ 168,656.65
985	2017	S/156200/CP/ENTBM005	HANA- OWP Historical Data	1070	0002	CNP Service Company, LLC	-\$ 18,380.46
986	2017	S/156200/CP/ENTD116	Preference Center - IT only	1070	0002	CNP Service Company, LLC	\$ 735,481.20
987	2017	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	0002	CNP Service Company, LLC	\$ 38,943.82
988	2017	S/156200/CP/ENTD116-B	Preference Center - Business only	9220	0002	CNP Service Company, LLC	\$ 17,847.57
989	2017	S/156200/CP/ENTD132	MFM Mobius Replacement-IT Only	1070	0002	CNP Service Company, LLC	\$ 760,393.33
990	2017	S/156200/CP/ENTD135-DL	Data Loss Prevention	1070	0002	CNP Service Company, LLC	\$ 70,493.85
991	2017	S/156200/CP/ENTD135-SE	SIEM Expansion	1070	0002	CNP Service Company, LLC	\$ 44,753.02
992	2017	S/156200/CP/ENTD135-SO	Security Operations Center	1070	0002	CNP Service Company, LLC	\$ 60,345.77
993	2017	S/156200/CP/ENTD137-TEL	Analytics Operations Disor - Telecomm	1070	0002	CNP Service Company, LLC	-\$ 251.68
994	2017	S/156200/CP/ENTDMDSI	MDSI Enhancements - IT	1070	0002	CNP Service Company, LLC	-\$ 38,888.93
995	2017	S/156200/CP/HEBM011-S	CIS/BES/TMH Mandated Changes	1070	0002	CNP Service Company, LLC	\$ 7,102.57
996	2017	S/156200/CP/HEBM012-EH	eHSM Incident Management	1070	0002	CNP Service Company, LLC	\$ 316,640.34
997	2017	S/156200/CP/HEBM013	HANA- C&I REG BM	1070	0002	CNP Service Company, LLC	\$ 127.47
998	2017	S/156200/CP/HEBM014	HANA- Netezza Migration	1070	0002	CNP Service Company, LLC	\$ 361,230.09
999	2017	S/156200/CP/HEBM014-B	HANA- Netezza Migration - Business	1070	0002	CNP Service Company, LLC	\$ 2,558.40
1000	2017	S/156200/CP/HEBM015CR	TRM CRIP/LCA/MIS LOA	1070	0002	CNP Service Company, LLC	\$ 250,865.93
1001	2017	S/156200/CP/HEBM015CR-B	TRM CRIP/LCA/MIS LOA-Business	9220	0002	CNP Service Company, LLC	\$ 12,063.37
1002	2017	S/156200/CP/HED002	iTrack- SAP Integration	1070	0002	CNP Service Company, LLC	-\$ 52,572.96
1003	2017	S/156200/CP/HED159	Project Engineering Reporting	1070	0002	CNP Service Company, LLC	-\$ 8,672.40
1004	2017	S/156200/CP/HED186	Asset Health URD	1070	0002	CNP Service Company, LLC	\$ 455,193.77
1005	2017	S/156200/CP/HED188-CAPBK	Asset Mgmt for CEHE-CapacitorBnk	1070	0002	CNP Service Company, LLC	\$ 22,390.69
1006	2017	S/156200/CP/HED188-IGSD	Asset Mgmt for CEHE-IGSD	1070	0002	CNP Service Company, LLC	\$ 351,565.53
1007	2017	S/156200/CP/HED188-RELAY	Asset Mgmt for CEHE-Relay Sys	1070	0002	CNP Service Company, LLC	\$ 77,916.38

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Line No.	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount
1008	2017	S/156200/CP/HED189	iTrack Phase 3	1070	0002	CNP Service Company, LLC	\$ 404,681.92
1009	2017	S/156200/CP/HEDAMS-ER	eRock Project	1070	0002	CNP Service Company, LLC	\$ 56,331.16
1010	2017	S/156200/CP/SAPBM-FIN	SAP BM Capital Finance	1070	0002	CNP Service Company, LLC	\$ 91,138.16
1011	2017	S/156200/CP/SAPBM-HA-LO	SAP BM LOA	1070	0002	CNP Service Company, LLC	\$ 0.01
1012	2017	S/156200/CP/SSBM001	SOC Enhancements	1070	0002	CNP Service Company, LLC	\$ 47,547.76
1013	2018	125104	Property Accounting	9220	0002	CNP Service Company, LLC	-\$ 3,796.65
1014	2018	125104	Property Accounting	9220	0002	CNP Service Company, LLC	-\$ 4,343.07
1015	2018	125104	Property Accounting	9220	0002	CNP Service Company, LLC	-\$ 4,255.13
1016	2018	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 22,605.20
1017	2018	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 517.67
1018	2018	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 32,613.35
1019	2018	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 517.67
1020	2018	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 345.12
1021	2018	156101	FM CORP RE & FM DIR	9220	0002	CNP Service Company, LLC	\$ 12,941.73
1022	2018	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 2,148.48
1023	2018	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 6,445.44
1024	2018	156102	FM PROJECT MANAGMENT	9220	0002	CNP Service Company, LLC	\$ 114,540.84
1025	2018	156261	Bus Tech Support	9220	0002	CNP Service Company, LLC	\$ 23,818.08
1026	2018	156261	Bus Tech Support	9220	0002	CNP Service Company, LLC	\$ 61,690.35
1027	2018	11037380	Legal to Brazos Valley Land/ROW - CAP	9210	0002	CNP Service Company, LLC	\$ 2,103.75
1028	2018	11037380	Legal to Brazos Valley Land/ROW - CAP	9220	0002	CNP Service Company, LLC	\$ 46,997.81
1029	2018	11037380	Legal to Brazos Valley Land/ROW - CAP	9230	0002	CNP Service Company, LLC	\$ 180.14
1030	2018	S/156200/CP/ENTB005-SW	Oracle License	1070	0002	CNP Service Company, LLC	\$ 1,712,622.45
1031	2018	S/156200/CP/ENTB008-TA	2017 Implement Test Automation	1070	0002	CNP Service Company, LLC	\$ 46,226.77
1032	2018	S/156200/CP/ENTB009	Fusion 11.7 Upgrade	1070	0002	CNP Service Company, LLC	\$ 49,875.05
1033	2018	S/156200/CP/ENTB009-B	Fusion 11.7 Upgrade-B	9220	0002	CNP Service Company, LLC	\$ 2,225.35
1034	2018	S/156200/CP/ENTBM003R2	QA Repositories for Regulatory Analysis	1070	0002	CNP Service Company, LLC	-\$ 7,120.26
1035	2018	S/156200/CP/ENTBM006PR	PRD Training Records	1070	0002	CNP Service Company, LLC	\$ 548.30
1036	2018	S/156200/CP/ENTBM009	Website Enhancements for ADA 2017	1070	0002	CNP Service Company, LLC	\$ 14,180.49
1037	2018	S/156200/CP/ENTD116	Preference Center - IT only	1070	0002	CNP Service Company, LLC	\$ 86,550.51
1038	2018	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	0002	CNP Service Company, LLC	-\$ 2,055.99
1039	2018	S/156200/CP/ENTD116-B	Preference Center - Business only	9220	0002	CNP Service Company, LLC	\$ 81.91
1040	2018	S/156200/CP/ENTD132	MFM Mobius Replacement-IT Only	1070	0002	CNP Service Company, LLC	\$ 36,416.46
1041	2018	S/156200/CP/ENTDMDSIBR	Service Suite Oracle Database Upgrade	1070	0002	CNP Service Company, LLC	\$ 36,748.83
1042	2018	S/156200/CP/ENTDMDSIBR	Service Suite Oracle Database Upgrade	9230	0002	CNP Service Company, LLC	\$ 5,543.97
1043	2018	S/156200/CP/HED189	iTrack Phase 3	1070	0002	CNP Service Company, LLC	\$ 152,743.00
1044	2018	S/156200/CP/HED191	Safety Data Collection, Intg & Structures	1070	0002	CNP Service Company, LLC	\$ 288,915.02
1045	2018	S/156200/CP/HED194	Rosharon Service Center	1070	0002	CNP Service Company, LLC	\$ 5,184.88
1046	2018	S/156200/CP/HEDAMS-DCE	DCE Upgrade	1070	0002	CNP Service Company, LLC	\$ 16,494.62
1047	2018	S/156200/CP/SAPBM-SSPI	PI Upgrade	1070	0002	CNP Service Company, LLC	\$ 11,207.43

Note: Some of the affiliate costs listed above are associated with projects that were funded by the AMS surcharge.

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1	2010	156102	FM PROJECT MANAGMENT	1070	13075033	Dist Dispatching-Purchase New Furniture	2013
2	2010	156102	FM PROJECT MANAGMENT	1070	53483242	Greenspoint CAP 2010 - generator	2011
3	2010	156102	FM PROJECT MANAGMENT	1070	53484761	Katy/Sealy CAP 2010 - generator	2011
4	2010	156102	FM PROJECT MANAGMENT	1070	53484774	Ft. Bend/Wharton CAP2010 - generator	2011
5	2010	156102	FM PROJECT MANAGMENT	1070	53485048	H O Clarke CAP 2010 - generator	2011
6	2010	156102	FM PROJECT MANAGMENT	1070	54276045	Bellaire CAP 2010 - rpl generator	2011
7	2010	156226	Customer Solutions	1070	13072802	Outage Tracker System	2012
8	2010	156226	Customer Solutions	1070	49809834	HAN/System Mods	2010
9	2010	156226	Customer Solutions	1070	49809838	ERCOT 15 Minute Settlement	2010
10	2010	11032781	CLSD Legal to New HP Campus	1070	52648414	HP CAMPUS - SURVEY AND LOCATING	2012
11	2010	11032781	CLSD Legal to New HP Campus	1070	52648414	HP CAMPUS - SURVEY AND LOCATING	2012
12	2010	11033003	FPM- ECDC RTO Control Rm Rehab- 56564247	1070	52804219	2010 REDE Critical Infrastructure Replac	2011
13	2010	11033025	CLSD Legal to Leveridge Easement	1070	54647599	LEVERIDGE PROPERTY - PURCHASE NEW EASEME	2012
14	2010	11033025	CLSD Legal to Leveridge Easement	1070	54647599	LEVERIDGE PROPERTY - PURCHASE NEW EASEME	2012
15	2010	11033220	CLSD Legal to Soccer Stadium	1070	54308331	P724 Reloc CK 46A1 Soccer Stad Preconst	2012
16	2010	11033220	CLSD Legal to Soccer Stadium	1070	54308331	P724 Reloc CK 46A1 Soccer Stad Preconst	2012
17	2010	11033220	CLSD Legal to Soccer Stadium	1070	54308331	P724 Reloc CK 46A1 Soccer Stad Preconst	2012
18	2010	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	13069482	2010 CenterPoint Electric IT Projects	2014
19	2010	S/156200/CP/HEBM001	EAI License Conversion	1070	13069482	2010 CenterPoint Electric IT Projects	2014
20	2010	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13069482	2010 CenterPoint Electric IT Projects	2014
21	2010	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13069482	2010 CenterPoint Electric IT Projects	2014
22	2010	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13069482	2010 CenterPoint Electric IT Projects	2014
23	2010	S/156200/CP/HED014	Reg Ops Electric Efficiency Projects	1070	13069482	2010 CenterPoint Electric IT Projects	2014
24	2010	S/156200/CP/HED014	Reg Ops Electric Efficiency Projects	1070	13069482	2010 CenterPoint Electric IT Projects	2014
25	2010	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13069482	2010 CenterPoint Electric IT Projects	2014
26	2010	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13069482	2010 CenterPoint Electric IT Projects	2014
27	2010	S/156200/CP/HED029	Electric DAS & AMM Bridge - Capital	1070	13064942	2009 CenterPoint Electric IT Projects	2014
28	2010	S/156200/CP/HED035	PR - MDSI Enhancements	1070	13069482	2010 CenterPoint Electric IT Projects	2014
29	2010	S/156200/CP/HED035	PR - MDSI Enhancements	1070	13069482	2010 CenterPoint Electric IT Projects	2014
30	2010	S/156200/CP/HED035	PR - MDSI Enhancements	1070	13069482	2010 CenterPoint Electric IT Projects	2014
31	2010	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	13064942	2009 CenterPoint Electric IT Projects	2014
32	2010	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	13069482	2010 CenterPoint Electric IT Projects	2014
33	2010	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	13069482	2010 CenterPoint Electric IT Projects	2014
34	2010	S/156200/CP/HED042	Drawing Management System	1070	13069482	2010 CenterPoint Electric IT Projects	2014
35	2010	S/156200/CP/HED042	Drawing Management System	1070	13069482	2010 CenterPoint Electric IT Projects	2014
36	2010	S/156200/CP/HED042	Drawing Management System	1070	13069482	2010 CenterPoint Electric IT Projects	2014
37	2010	S/156200/CP/HED043	PowerDB	1070	13069482	2010 CenterPoint Electric IT Projects	2014
38	2010	S/156200/CP/HED043	PowerDB	1070	13069482	2010 CenterPoint Electric IT Projects	2014
39	2010	S/156200/CP/HED047	Oasis System Enhancements	1070	13069482	2010 CenterPoint Electric IT Projects	2014
40	2010	S/156200/CP/HED047	Oasis System Enhancements	1070	13069482	2010 CenterPoint Electric IT Projects	2014
41	2010	S/156200/CP/HED054	Lighthouse Project	1070	13064942	2009 CenterPoint Electric IT Projects	2014
42	2010	S/156200/CP/HED062	LD Pro Update	1070	13069482	2010 CenterPoint Electric IT Projects	2014
43	2010	S/156200/CP/HED062	LD Pro Update	1070	13069482	2010 CenterPoint Electric IT Projects	2014
44	2010	S/156200/CP/HED062	LD Pro Update	1070	13069482	2010 CenterPoint Electric IT Projects	2014
45	2010	S/156200/CP/HED066	AMS Holding - Capital	1070	13061073	2008 CenterPoint Electric IT Projects	2009
46	2010	S/156200/CP/HED071	AMS - Pulse Overflow	1070	49809829	Pulse Overflow	2012
47	2010	S/156200/CP/HED071	AMS - Pulse Overflow	1070	49809829	Pulse Overflow	2012

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48	2010	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2010
49	2010	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2010
50	2010	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2010
51	2010	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2010
52	2010	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2010
53	2010	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2010
54	2010	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2010
55	2010	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2010
56	2010	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2010
57	2010	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2010
58	2010	S/156200/CP/HED076	HAN/System mods	1070	49809834	HAN/System Mods	2010
59	2010	S/156200/CP/HED077	Communications Network Services - ECDC	1070	49809835	Communications Network Services - ECDC	2011
60	2010	S/156200/CP/HED077	Communications Network Services - ECDC	1070	49809835	Communications Network Services - ECDC	2011
61	2010	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2010
62	2010	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2010
63	2010	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	49809838	ERCOT 15 Minute Settlement	2010
64	2010	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	49809838	ERCOT 15 Minute Settlement	2010
65	2010	S/156200/CP/HED081	Environmental Tracking - Cap	1070	13069482	2010 CenterPoint Electric IT Projects	2014
66	2010	S/156200/CP/HED082	Replatform Engineering Reports	1070	13069482	2010 CenterPoint Electric IT Projects	2014
67	2010	S/156200/CP/HED082	Replatform Engineering Reports	1070	13069482	2010 CenterPoint Electric IT Projects	2014
68	2010	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13069482	2010 CenterPoint Electric IT Projects	2014
69	2010	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13069482	2010 CenterPoint Electric IT Projects	2014
70	2010	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
71	2010	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
72	2010	S/156200/CP/HED100	AMS Firewall Upgrade	1070	49809830	IOSS	2010
73	2011	156101	FM CORP RE & FM DIR	1070	57059827	Ice Machines CAP 2011	2013
74	2011	156101	FM CORP RE & FM DIR	1070	57060187	S. Houston CAP 2011 - oil tank storage	2012
75	2011	156102	FM PROJECT MANAGMENT	1070	13075033	Dist Dispatching-Purchase New Furniture	2013
76	2011	156102	FM PROJECT MANAGMENT	1070	56720366	Greenspoint CAP 2011 - mud connection	2013
77	2011	156102	FM PROJECT MANAGMENT	1070	56720376	Cypress CAP 2011 - mud connection	2013
78	2011	156102	FM PROJECT MANAGMENT	1070	57059914	Greenspoint CAP 2011 - property line	2013
79	2011	156102	FM PROJECT MANAGMENT	1070	57060187	S. Houston CAP 2011 - oil tank storage	2012
80	2011	156102	FM PROJECT MANAGMENT	1070	57541337	ERECT AWNING AT SOHO FACILITY	2012
81	2011	156226	Customer Solutions	1070	53718171	VOICE & MOBILE DATA RADIO SYSTEM	2012
82	2011	11032781	CLSD Legal to New HP Campus	1070	52648414	HP CAMPUS - SURVEY AND LOCATING	2012
83	2011	11032781	CLSD Legal to New HP Campus	1070	52648414	HP CAMPUS - SURVEY AND LOCATING	2012
84	2011	11033003	FPM- ECDC RTO Control Rm Rehab- 56564247	1070	52804219	2010 REDE Critical Infrastructure Replac	2011
85	2011	11033003	FPM- ECDC RTO Control Rm Rehab- 56564247	1070	56564247	2011 REDE Critical Infrastructure Replac	2012
86	2011	11033025	CLSD Legal to Leveridge Easement	1070	54647599	LEVERIDGE PROPERTY - PURCHASE NEW EASEME	2012
87	2011	11033025	CLSD Legal to Leveridge Easement	1070	54647599	LEVERIDGE PROPERTY - PURCHASE NEW EASEME	2012
88	2011	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
89	2011	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
90	2011	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
91	2011	11033220	CLSD Legal to Soccer Stadium	1070	54308331	P724 Reloc CK 46A1 Soccer Stad Preconst	2012
92	2011	11033601	CLSD Legal to Willow PV1	1070	56506835	WILLOW-Install Bkrs & Upg Trf Conns PV1	2012
93	2011	11033601	CLSD Legal to Willow PV1	1070	56506835	WILLOW-Install Bkrs & Upg Trf Conns PV1	2012
94	2011	11033766	CLSD Legal to Entex Metro Project - CAP	1070	55585873	FDR_1990(3-2/0CU)_METRO	2012
95	2011	11033766	CLSD Legal to Entex Metro Project - CAP	1070	55585873	FDR_1990(3-2/0CU)_METRO	2012

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96	2011	11033768	CLSLD Legal to Metro AFUDC	1070	59530381	LEGAL SUPPORT FOR AFUDC ON CPAY PROJECTS	2014
97	2011	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	1070	58766273	P621 Purchase Easement Merfish Property	2016
98	2011	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	1070	58766273	P621 Purchase Easement Merfish Property	2016
99	2011	11033881	CLSD Legal to CEHE Damaged Barge - Def	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
100	2011	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
101	2011	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
102	2011	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
103	2011	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
104	2011	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
105	2011	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
106	2011	S/156200/CP/HEBM002	TXSet 4 0 - General	1070	13073881	2011 CenterPoint Electric IT Projects	2013
107	2011	S/156200/CP/HEBM002	TXSet 4 0 - General	1070	13073881	2011 CenterPoint Electric IT Projects	2013
108	2011	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13073881	2011 CenterPoint Electric IT Projects	2013
109	2011	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13073881	2011 CenterPoint Electric IT Projects	2013
110	2011	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13073881	2011 CenterPoint Electric IT Projects	2013
111	2011	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13073881	2011 CenterPoint Electric IT Projects	2013
112	2011	S/156200/CP/HED035	PR - MDSI Enhancements	1070	13073881	2011 CenterPoint Electric IT Projects	2013
113	2011	S/156200/CP/HED035	PR - MDSI Enhancements	1070	13073881	2011 CenterPoint Electric IT Projects	2013
114	2011	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	13073881	2011 CenterPoint Electric IT Projects	2013
115	2011	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	13073881	2011 CenterPoint Electric IT Projects	2013
116	2011	S/156200/CP/HED042	Drawing Management System	1070	13073881	2011 CenterPoint Electric IT Projects	2013
117	2011	S/156200/CP/HED042	Drawing Management System	1070	13073881	2011 CenterPoint Electric IT Projects	2013
118	2011	S/156200/CP/HED042	Drawing Management System	1070	13073881	2011 CenterPoint Electric IT Projects	2013
119	2011	S/156200/CP/HED043	PowerDB	1070	13073881	2011 CenterPoint Electric IT Projects	2013
120	2011	S/156200/CP/HED043	PowerDB	1070	13073881	2011 CenterPoint Electric IT Projects	2013
121	2011	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	13069482	2010 CenterPoint Electric IT Projects	2014
122	2011	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	13069482	2010 CenterPoint Electric IT Projects	2014
123	2011	S/156200/CP/HED047	Oasis System Enhancements	1070	13073881	2011 CenterPoint Electric IT Projects	2013
124	2011	S/156200/CP/HED047	Oasis System Enhancements	1070	13073881	2011 CenterPoint Electric IT Projects	2013
125	2011	S/156200/CP/HED050	Archive Distribution Work Orders	1070	13064942	2009 CenterPoint Electric IT Projects	2014
126	2011	S/156200/CP/HED054	Lighthouse Project	1070	13064942	2009 CenterPoint Electric IT Projects	2014
127	2011	S/156200/CP/HED062	LD Pro Update	1070	13073881	2011 CenterPoint Electric IT Projects	2013
128	2011	S/156200/CP/HED062	LD Pro Update	1070	13073881	2011 CenterPoint Electric IT Projects	2013
129	2011	S/156200/CP/HED062	LD Pro Update	1070	13073881	2011 CenterPoint Electric IT Projects	2013
130	2011	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2011
131	2011	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2011
132	2011	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2011
133	2011	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2011
134	2011	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2011
135	2011	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2011
136	2011	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2011
137	2011	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2011
138	2011	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2011
139	2011	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2011
140	2011	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2011
141	2011	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2011
142	2011	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2011
143	2011	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2011

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144	2011	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2011
145	2011	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	49809838	ERCOT 15 Minute Settlement	2011
146	2011	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	49809838	ERCOT 15 Minute Settlement	2011
147	2011	S/156200/CP/HED082	Replatform Engineering Reports	1070	13073881	2011 CenterPoint Electric IT Projects	2013
148	2011	S/156200/CP/HED082	Replatform Engineering Reports	1070	13073881	2011 CenterPoint Electric IT Projects	2013
149	2011	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
150	2011	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
151	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
152	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
153	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13073881	2011 CenterPoint Electric IT Projects	2013
154	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2011
155	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2011
156	2011	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2011
157	2011	S/156200/CP/HED092	Crew Call Out System	1070	13073881	2011 CenterPoint Electric IT Projects	2013
158	2011	S/156200/CP/HED092	Crew Call Out System	1070	13073881	2011 CenterPoint Electric IT Projects	2013
159	2011	S/156200/CP/HED098	Outage Notification	1070	13073881	2011 CenterPoint Electric IT Projects	2013
160	2011	S/156200/CP/HED098	Outage Notification	1070	13073881	2011 CenterPoint Electric IT Projects	2013
161	2011	S/156200/CP/HED100	AMS Firewall Upgrade	1070	49809830	IOSS	2011
162	2011	S/156200/CP/HED100	AMS Firewall Upgrade	1070	49809830	IOSS	2011
163	2011	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
164	2011	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
165	2011	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
166	2011	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
167	2011	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
168	2011	S/156200/CP/HED106	AMS - TxSet 4 0	1070	56841689	TxSet 4 0	2012
169	2011	S/156200/CP/HED106	AMS - TxSet 4 0	1070	56841689	TxSet 4 0	2012
170	2011	S/156200/CP/HED108	BI Fleet Reporting	1070	13073881	2011 CenterPoint Electric IT Projects	2013
171	2011	S/156200/CP/HED108	BI Fleet Reporting	1070	13073881	2011 CenterPoint Electric IT Projects	2013
172	2011	S/156200/CP/HED110	BI Contractor Alliance Reporting	1070	13073881	2011 CenterPoint Electric IT Projects	2013
173	2011	S/156200/CP/HED110	BI Contractor Alliance Reporting	1070	13073881	2011 CenterPoint Electric IT Projects	2013
174	2012	156101	FM CORP RE & FM DIR	1070	60581127	2012 CAP New Ice Machines	2013
175	2012	156101	FM CORP RE & FM DIR	1070	60686570	BUCC FM BLDG DESIGN & CONSTR. CAP	2014
176	2012	156102	FM PROJECT MANAGMENT	1070	13081911	Underground Storage Tank-Install-BTN	2013
177	2012	156102	FM PROJECT MANAGMENT	1070	13081913	Underground Storage Tank-Install-BEL	2013
178	2012	156102	FM PROJECT MANAGMENT	1070	13081915	Underground Storage Tank-Install-GPT	2013
179	2012	156102	FM PROJECT MANAGMENT	1070	13081917	Underground Storage Tank-Install-BPT	2013
180	2012	156102	FM PROJECT MANAGMENT	1070	13081919	Underground Storage Tank-Install-SUG	2013
181	2012	156102	FM PROJECT MANAGMENT	1070	13081921	Underground Storage Tank-Install-HOC	2013
182	2012	156102	FM PROJECT MANAGMENT	1070	56720366	Greenspoint CAP 2011 - mud connection	2013
183	2012	156102	FM PROJECT MANAGMENT	1070	56720376	Cypress CAP 2011 - mud connection	2013
184	2012	156102	FM PROJECT MANAGMENT	1070	57060187	S. Houston CAP 2011 - oil tank storage	2012
185	2012	156102	FM PROJECT MANAGMENT	1070	57541337	ERECT AWNING AT SOHO FACILITY	2012
186	2012	156102	FM PROJECT MANAGMENT	1070	60686570	BUCC FM BLDG DESIGN & CONSTR. CAP	2014
187	2012	156102	FM PROJECT MANAGMENT	1070	61140670	2012 Battery Replacement	2014
188	2012	156102	FM PROJECT MANAGMENT	1070	63124291	2012 Repurpose Bldg F Transmission Oper	2014
189	2012	156102	FM PROJECT MANAGMENT	1070	63315842	2012 Cap Humble Performance Shop Remodel	2013
190	2012	11033025	CLSD Legal to Leverdige Easement	1070	54647599	LEVERIDGE PROPERTY - PURCHASE NEW EASEME	2012
191	2012	11033025	CLSD Legal to Leverdige Easement	1070	54647599	LEVERIDGE PROPERTY - PURCHASE NEW EASEME	2012

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192	2012	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
193	2012	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
194	2012	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
195	2012	11033766	CLSD Legal to Entex Metro Project - CAP	1070	55585873	FDR_1990(3-2/OCU)_METRO	2012
196	2012	11033766	CLSD Legal to Entex Metro Project - CAP	1070	55585873	FDR_1990(3-2/OCU)_METRO	2012
197	2012	11033768	CLSD Legal to Metro AFUDC	1070	59530381	LEGAL SUPPORT FOR AFUDC ON CPAY PROJECTS	2014
198	2012	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	1070	58766273	P621 Purchase Easement Merfish Property	2016
199	2012	11033822	CLSLD Legal to Purchase Esmt Merfish-CAP	1070	58766273	P621 Purchase Easement Merfish Property	2016
200	2012	11033881	CLSD Legal to CEHE Damaged Barge - Def	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
201	2012	11033881	CLSD Legal to CEHE Damaged Barge - Def	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
202	2012	11033960	CLSD Legal to Lawndale Acquisition - CAP	1070	57811214	PNO 163-11-0115	2013
203	2012	11033960	CLSD Legal to Lawndale Acquisition - CAP	1070	57811214	PNO 163-11-0115	2013
204	2012	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2018
205	2012	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2018
206	2012	11034463	CLSD Legal to Silvercrest Project - CAP	1070	63026063	SDUG_SILVER CREST	2014
207	2012	11034463	CLSD Legal to Silvercrest Project - CAP	1070	63026063	SDUG_SILVER CREST	2014
208	2012	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015
209	2012	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015
210	2012	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015
211	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
212	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
213	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
214	2012	S/156200/CP/ENTD058	CVP/CRM MASTER	1070	13077632	2012 CenterPoint Electric IT Projects	2014
215	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	13077632	2012 CenterPoint Electric IT Projects	2014
216	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	13077632	2012 CenterPoint Electric IT Projects	2014
217	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	13077632	2012 CenterPoint Electric IT Projects	2014
218	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	13077632	2012 CenterPoint Electric IT Projects	2014
219	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	13077632	2012 CenterPoint Electric IT Projects	2014
220	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	13077632	2012 CenterPoint Electric IT Projects	2014
221	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	13077632	2012 CenterPoint Electric IT Projects	2014
222	2012	S/156200/CP/ENTD064	Customer Vision (CRM)	1070	13077632	2012 CenterPoint Electric IT Projects	2014
223	2012	S/156200/CP/ENTD064	Customer Vision (CRM)	1070	13077632	2012 CenterPoint Electric IT Projects	2014
224	2012	S/156200/CP/ENTD064	Customer Vision (CRM)	1070	13077632	2012 CenterPoint Electric IT Projects	2014
225	2012	S/156200/CP/ENTD066	CHaRT Design	1070	13077632	2012 CenterPoint Electric IT Projects	2014
226	2012	S/156200/CP/ENTD066	CHaRT Design	1070	13077632	2012 CenterPoint Electric IT Projects	2014
227	2012	S/156200/CP/ENTD070	Executive Portfolio Dashboard	1070	13077632	2012 CenterPoint Electric IT Projects	2014
228	2012	S/156200/CP/HEBM002	EAI - Elec Ops Support	1070	13077632	2012 CenterPoint Electric IT Projects	2014
229	2012	S/156200/CP/HEBM002	EAI - Elec Ops Support	1070	13077632	2012 CenterPoint Electric IT Projects	2014
230	2012	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	13077632	2012 CenterPoint Electric IT Projects	2014
231	2012	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	13077632	2012 CenterPoint Electric IT Projects	2014
232	2012	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	13077632	2012 CenterPoint Electric IT Projects	2014
233	2012	S/156200/CP/HEBM004	AMS Business Resilience	1070	49809830	IOSS	2012
234	2012	S/156200/CP/HEBM004	AMS Business Resilience	1070	49809830	IOSS	2012
235	2012	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	62173228	Outage Enablement	2016
236	2012	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	62173228	Outage Enablement	2016
237	2012	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	62173228	Outage Enablement	2016
238	2012	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13077632	2012 CenterPoint Electric IT Projects	2014
239	2012	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13077632	2012 CenterPoint Electric IT Projects	2014

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240	2012	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13077632	2012 CenterPoint Electric IT Projects	2014
241	2012	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13077632	2012 CenterPoint Electric IT Projects	2014
242	2012	S/156200/CP/HED041	SAP Time Keeping/Duet	1070	13073881	2011 CenterPoint Electric IT Projects	2013
243	2012	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	13077632	2012 CenterPoint Electric IT Projects	2014
244	2012	S/156200/CP/HED062	LD Pro Update	1070	13077632	2012 CenterPoint Electric IT Projects	2014
245	2012	S/156200/CP/HED062	LD Pro Update	1070	13077632	2012 CenterPoint Electric IT Projects	2014
246	2012	S/156200/CP/HED062	LD Pro Update	1070	13077632	2012 CenterPoint Electric IT Projects	2014
247	2012	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2012
248	2012	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2012
249	2012	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2012
250	2012	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2012
251	2012	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2012
252	2012	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2012
253	2012	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2012
254	2012	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2012
255	2012	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2012
256	2012	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2012
257	2012	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2012
258	2012	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2012
259	2012	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	49809838	ERCOT 15 Minute Settlement	2012
260	2012	S/156200/CP/HED080	Smart Meter TX Portal & Rep (AMS)	1070	49809838	ERCOT 15 Minute Settlement	2012
261	2012	S/156200/CP/HED082	Replatform Engineering Reports	1070	13077632	2012 CenterPoint Electric IT Projects	2014
262	2012	S/156200/CP/HED082	Replatform Engineering Reports	1070	13077632	2012 CenterPoint Electric IT Projects	2014
263	2012	S/156200/CP/HED082	Replatform Engineering Reports	1070	13077632	2012 CenterPoint Electric IT Projects	2014
264	2012	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
265	2012	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
266	2012	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
267	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
268	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
269	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13077632	2012 CenterPoint Electric IT Projects	2014
270	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2012
271	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2012
272	2012	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2012
273	2012	S/156200/CP/HED092	Crew Call Out System	1070	13073881	2011 CenterPoint Electric IT Projects	2013
274	2012	S/156200/CP/HED092	Crew Call Out System	1070	13077632	2012 CenterPoint Electric IT Projects	2014
275	2012	S/156200/CP/HED095	Asset Management for CEHE	1070	13073881	2011 CenterPoint Electric IT Projects	2013
276	2012	S/156200/CP/HED098	Outage Notification	1070	13077632	2012 CenterPoint Electric IT Projects	2014
277	2012	S/156200/CP/HED098	Outage Notification	1070	13077632	2012 CenterPoint Electric IT Projects	2014
278	2012	S/156200/CP/HED100	AMS Firewall Upgrade	1070	49809830	IOSS	2012
279	2012	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
280	2012	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
281	2012	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
282	2012	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
283	2012	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2015
284	2012	S/156200/CP/HED106	AMS - TxSet 4.0	1070	56841689	TxSet 4.0	2012
285	2012	S/156200/CP/HED106	AMS - TxSet 4.0	1070	56841689	TxSet 4.0	2012
286	2012	S/156200/CP/HED108	BI Fleet Reporting	1070	13073881	2011 CenterPoint Electric IT Projects	2013
287	2012	S/156200/CP/HED111	File Server Storage Engineering	1070	13077632	2012 CenterPoint Electric IT Projects	2014

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288	2012	S/156200/CP/HED116	Business Transformation Initiatives	1070	13077632	2012 CenterPoint Electric IT Projects	2014
289	2012	S/156200/CP/HED116	Business Transformation Initiatives	1070	13077632	2012 CenterPoint Electric IT Projects	2014
290	2012	S/156200/CP/HED116	Business Transformation Initiatives	1070	13077632	2012 CenterPoint Electric IT Projects	2014
291	2012	S/156200/CP/HED118	IDR Meter Reading	1070	60828422	IDR Meter Replacement	2015
292	2012	S/156200/CP/HED120	Database (AMS)	1070	49809831	SD SOA	2012
293	2012	S/156200/CP/HED120	Database (AMS)	1070	49809831	SD SOA	2012
294	2012	S/156200/CP/HED120	Database (AMS)	1070	49809831	SD SOA	2012
295	2012	S/156200/CP/HED120	Database (AMS)	1070	S/101206/CN/HED07	SD SOA/Database (starting 2011)	2012
296	2012	S/156200/CP/HED123	Checkbox Survey System	1070	60868652	BUCC-GENERAL PREMISE EQUIPMENT	2016
297	2012	S/156200/CP/HED124	Optim Archiving Implementation (AMS)	1070	49809832	SD EAI	2012
298	2012	S/156200/CP/HED124	Optim Archiving Implementation (AMS)	1070	49809832	SD EAI	2012
299	2012	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2015
300	2012	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2015
301	2012	S/156200/CP/HED128	Investment Prioritization Tool	1070	13077632	2012 CenterPoint Electric IT Projects	2014
302	2012	S/156200/CP/RRJ004	AMIN Reliant Cap. - System Functionality	1070	13064942	2009 CenterPoint Electric IT Projects	2014
303	2013	156101	FM CORP RE & FM DIR	1070	60686570	BUCC FM BLDG DESIGN & CONSTR CAP	2014
304	2013	156101	FM CORP RE & FM DIR	1070	63751066	2012 CAP Roof Replacement Building C	2014
305	2013	156101	FM CORP RE & FM DIR	1070	64787825	2013 CAP Ice Machines	2013
306	2013	156101	FM CORP RE & FM DIR	1070	65110891	2013 CAP Cypress Service Center Re-Skin	2014
307	2013	156102	FM PROJECT MANAGMNT	1070	13081911	Underground Storage Tank-Install-BTN	2013
308	2013	156102	FM PROJECT MANAGMNT	1070	13081913	Underground Storage Tank-Install-BEL	2013
309	2013	156102	FM PROJECT MANAGMNT	1070	13081915	Underground Storage Tank-Install-GPT	2013
310	2013	156102	FM PROJECT MANAGMNT	1070	13081917	Underground Storage Tank-Install-BPT	2013
311	2013	156102	FM PROJECT MANAGMNT	1070	13081919	Underground Storage Tank-Install-SUG	2013
312	2013	156102	FM PROJECT MANAGMNT	1070	13081921	Underground Storage Tank-Install-HOC	2013
313	2013	156102	FM PROJECT MANAGMNT	1070	13083692	Underground Storage Tank-Install-FTB	2015
314	2013	156102	FM PROJECT MANAGMNT	1070	13083694	Underground Storage Tank-Install-CYP	2015
315	2013	156102	FM PROJECT MANAGMNT	1070	13083696	Underground Storage Tank-Install-HUM	2015
316	2013	156102	FM PROJECT MANAGMNT	1070	13083698	Underground Storage Tank-Install-KTY	2015
317	2013	156102	FM PROJECT MANAGMNT	1070	13083993	Underground Storage Tank-Install-GAL	2015
318	2013	156102	FM PROJECT MANAGMNT	1070	13083995	UndergroundStorageTankInstall-Building C	2015
319	2013	156102	FM PROJECT MANAGMNT	1070	13083999	Underground Storage Tank-Install-ECDC	2015
320	2013	156102	FM PROJECT MANAGMNT	1070	60686570	BUCC FM BLDG DESIGN & CONSTR CAP	2014
321	2013	156160	SEC SECURITY DIR	1070	63708047	2012 CAP AOC Security System	2015
322	2013	156226	Customer Solutions	1070	64720531	ADS New Projects 2013	2016
323	2013	159057	Fleet Support	1070	65487468	7616 PURCHASE HOUSTON ELECTRIC 2013	2015
324	2013	159057	Fleet Support	1070	65777159	2116 PURCHASE HOUSTON ELECTRIC 2013	2015
325	2013	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
326	2013	11033103	CLSD Legal to Springwoods Project	1070	S/101320/CE/XE11-3	Transm System Betterment (start Nov01)	2014
327	2013	11033766	CLSD Legal to Entex Metro Project - CAP	1070	55585873	FDR_1990(3-2/OCU)_METRO	2012
328	2013	11033881	CLSD Legal to CEHE Damaged Barge - Def	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
329	2013	11033881	CLSD Legal to CEHE Damaged Barge - Def	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
330	2013	11033881	CLSD Legal to CEHE Damaged Barge - Def	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
331	2013	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
332	2013	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
333	2013	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
334	2013	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015
335	2013	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015

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336	2013	11035063	CLSD Legal to RT10_300% I2_WR11_BuildApp	1070	63721046	RT10_300%_I2_WR11_BuildApprox4800' 600MC	2013
337	2013	11035101	CLSD Legal to Fry Road Substation - CAP	1070	64229775	KLEIN--Install 8th & 9th FDRS PV1	2014
338	2013	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
339	2013	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
340	2013	13083222	2013 SAP Fixed Asset Enhancement	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
341	2013	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
342	2013	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
343	2013	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
344	2013	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
345	2013	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	1070	64413342	UCC-VoIP Implementation	2015
346	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
347	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
348	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
349	2013	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
350	2013	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
351	2013	S/156200/CP/ENTD044-GS	Mobile Data Ventyx R9 Upgrade - GIS	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
352	2013	S/156200/CP/ENTD044-GS	Mobile Data Ventyx R9 Upgrade - GIS	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
353	2013	S/156200/CP/ENTD044-GS-B	Mobile Data Ventyx R9 Upgrade - GIS- Bus	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
354	2013	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	1070	64412996	CRM Project	2014
355	2013	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	1070	64412996	CRM Project	2014
356	2013	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	1070	64412996	CRM Project	2014
357	2013	S/156200/CP/ENTD058-BP-B	CVP/CRM Blueprinting- Business	1070	64412996	CRM Project	2014
358	2013	S/156200/CP/ENTD058-BP-B	CVP/CRM Blueprinting- Business	1070	64412996	CRM Project	2014
359	2013	S/156200/CP/ENTD058-BP-B	CVP/CRM Blueprinting- Business	1070	64412996	CRM Project	2014
360	2013	S/156200/CP/ENTD058-BP-E	CVP/CRM Blueprinting- Electric	1070	64412996	CRM Project	2014
361	2013	S/156200/CP/ENTD058-BP-E	CVP/CRM Blueprinting- Electric	1070	64412996	CRM Project	2014
362	2013	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	1070	64412996	CRM Project	2014
363	2013	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	1070	64412996	CRM Project	2014
364	2013	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	1070	64412996	CRM Project	2014
365	2013	S/156200/CP/ENTD058-CH-B	CVP/CRM CHaRT- Business	1070	64412996	CRM Project	2014
366	2013	S/156200/CP/ENTD058-CT	CVP/CRM Centerbridge-IT	1070	64412996	CRM Project	2014
367	2013	S/156200/CP/ENTD058-CT	CVP/CRM Centerbridge-IT	1070	64412996	CRM Project	2014
368	2013	S/156200/CP/ENTD058-CT	CVP/CRM Centerbridge-IT	1070	64412996	CRM Project	2014
369	2013	S/156200/CP/ENTD058-CT-B	CVP/CRM Centerbridge-Business	1070	64412996	CRM Project	2014
370	2013	S/156200/CP/ENTD058-CT-B	CVP/CRM Centerbridge-Business	1070	64412996	CRM Project	2014
371	2013	S/156200/CP/ENTD058-CT-B	CVP/CRM Centerbridge-Business	1070	64412996	CRM Project	2014
372	2013	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	64412996	CRM Project	2014
373	2013	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	64412996	CRM Project	2014
374	2013	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	64412996	CRM Project	2014
375	2013	S/156200/CP/ENTD058-DC-E	CVP/CRM Data Cleansing/Conversion- Elec	1070	64412996	CRM Project	2014
376	2013	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	1070	64412996	CRM Project	2014
377	2013	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	1070	64412996	CRM Project	2014
378	2013	S/156200/CP/ENTD058-MX	CVP/CRM SAP MaxAttention- IT	1070	64412996	CRM Project	2014
379	2013	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
380	2013	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
381	2013	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
382	2013	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014
383	2013	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014

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384	2013	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014
385	2013	S/156200/CP/ENTD058-RE-E	CVP/CRM Realization- Electric	1070	64412996	CRM Project	2014
386	2013	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	64412996	CRM Project	2014
387	2013	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	64412996	CRM Project	2014
388	2013	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting	1070	64412996	CRM Project	2014
389	2013	S/156200/CP/ENTD064	Customer Vision (CRM)	1070	64412996	CRM Project	2014
390	2013	S/156200/CP/ENTD066	CHaRT Design	1070	66925614	CHaRT Design	2015
391	2013	S/156200/CP/ENTD079	Fuel Force Controllers Project	1070	64413344	Fuel Force Controllers Project	2017
392	2013	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	1070	64412996	CRM Project	2014
393	2013	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	1070	64412996	CRM Project	2014
394	2013	S/156200/CP/ENTD083-B	CVP/CRM PMO Program Admin - Business	1070	64412996	CRM Project	2014
395	2013	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	65926831	Corporate Website Rebuild	2014
396	2013	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	65926831	Corporate Website Rebuild	2014
397	2013	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	65926831	Corporate Website Rebuild	2014
398	2013	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	65926831	Corporate Website Rebuild	2014
399	2013	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	65926831	Corporate Website Rebuild	2014
400	2013	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	65926831	Corporate Website Rebuild	2014
401	2013	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	66709570	CI-Bills Correspondence Integration	2015
402	2013	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	66709570	CI-Bills Correspondence Integration	2015
403	2013	S/156200/CP/ENTD095	CI-CRM & Web Integration	1070	66709575	CI-CRM Web Integration	2015
404	2013	S/156200/CP/ENTD096	CI-CSR Tool Modification for CRM	1070	66709577	CI-CSR Tool Modifications	2014
405	2013	S/156200/CP/ENTD096	CI-CSR Tool Modification for CRM	1070	66709577	CI-CSR Tool Modifications	2014
406	2013	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
407	2013	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
408	2013	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
409	2013	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
410	2013	S/156200/CP/FIND017-AL-B	SAP Fixed Assets Fresh Start- Business	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
411	2013	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	64413347	EAI - Elec Ops Support	2017
412	2013	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	64413347	EAI - Elec Ops Support	2017
413	2013	S/156200/CP/HEB008	New STRS Server	1070	64413580	New STRS Server	2014
414	2013	S/156200/CP/HEBM002	TXSet 4.0 - General	1070	13077632	2012 CenterPoint Electric IT Projects	2014
415	2013	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	62173228	Outage Enablement	2016
416	2013	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	62173228	Outage Enablement	2016
417	2013	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	62173228	Outage Enablement	2016
418	2013	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	13084001	AOC Phase I (IT)	2014
419	2013	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	13084001	AOC Phase I (IT)	2014
420	2013	S/156200/CP/HEBM006-NS	AOC Phase I - Network Security	1070	13084001	AOC Phase I (IT)	2014
421	2013	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	13084001	AOC Phase I (IT)	2014
422	2013	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	13084001	AOC Phase I (IT)	2014
423	2013	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	13084001	AOC Phase I (IT)	2014
424	2013	S/156200/CP/HEBM006-TC	AOC Phase I - IT Telecom	1070	13084001	AOC Phase I (IT)	2014
425	2013	S/156200/CP/HEBM007	Outage Management (AMS) - IT	1070	66402412	Outage Management	2016
426	2013	S/156200/CP/HEBM007-B	Outage Management - Business	1070	66402412	Outage Management	2016
427	2013	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	64412999	Reg required major projects - EMO	2015
428	2013	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	64412999	Reg required major projects - EMO	2015
429	2013	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	64412989	Dereg Regulatory Fin Projects	2015
430	2013	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	64412989	Dereg Regulatory Fin Projects	2015
431	2013	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	66172400	CEHE Energy Efficiency Project Support	2015

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432	2013	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	66172400	CEHE Energy Efficiency Project Support	2015
433	2013	S/156200/CP/HED062	LD Pro Update	1070	66925616	LD Pro Update	2015
434	2013	S/156200/CP/HED062	LD Pro Update	1070	66925616	LD Pro Update	2015
435	2013	S/156200/CP/HED062	LD Pro Update	1070	66925616	LD Pro Update	2015
436	2013	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2009
437	2013	S/156200/CP/HED072	IOSS (AMS)	1070	49809830	IOSS	2009
438	2013	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2009
439	2013	S/156200/CP/HED073	SD SOA (AMS)	1070	49809831	SD SOA	2009
440	2013	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2009
441	2013	S/156200/CP/HED074	SD EAI (AMS)	1070	49809832	SD EAI	2009
442	2013	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2009
443	2013	S/156200/CP/HED075	SD CIS (AMS)	1070	49809833	SD CIS	2009
444	2013	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2009
445	2013	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2009
446	2013	S/156200/CP/HED078	AMS Analytics	1070	49809836	AMS Operations - Tivoli Services	2009
447	2013	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2009
448	2013	S/156200/CP/HED079	AMS Operations - NOC	1070	49809837	AMS Operations - NOC	2009
449	2013	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
450	2013	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
451	2013	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
452	2013	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
453	2013	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
454	2013	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
455	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2009
456	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2009
457	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	49809832	SD EAI	2009
458	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	66925621	BM - CEHE EAI Technology Change	2015
459	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	66925621	BM - CEHE EAI Technology Change	2015
460	2013	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	66925621	BM - CEHE EAI Technology Change	2015
461	2013	S/156200/CP/HED095	Asset Management for CEHE	1070	64413348	Asset Management for CEHE	2015
462	2013	S/156200/CP/HED095	Asset Management for CEHE	1070	64413348	Asset Management for CEHE	2015
463	2013	S/156200/CP/HED095	Asset Management for CEHE	1070	64413348	Asset Management for CEHE	2015
464	2013	S/156200/CP/HED098	Outage Notification	1070	64351148	Outage Notification	2015
465	2013	S/156200/CP/HED098	Outage Notification	1070	64351148	Outage Notification	2015
466	2013	S/156200/CP/HED098	Outage Notification	1070	64351148	Outage Notification	2015
467	2013	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
468	2013	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
469	2013	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
470	2013	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
471	2013	S/156200/CP/HED106	AMS - TxSet 4.0	1070	56841689	TxSet 4.0	2012
472	2013	S/156200/CP/HED116	Business Transformation Initiatives	1070	66172416	BT Initiatives - Analytics	2017
473	2013	S/156200/CP/HED116	Business Transformation Initiatives	1070	66172416	BT Initiatives - Analytics	2017
474	2013	S/156200/CP/HED116	Business Transformation Initiatives	1070	66172416	BT Initiatives - Analytics	2017
475	2013	S/156200/CP/HED124	Optim Archiving Implementation (AMS)	1070	49809832	SD EAI	2009
476	2013	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2017
477	2013	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2017
478	2013	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2017
479	2013	S/156200/CP/HED128	Investment Prioritization Tool	1070	64413349	Investment Prioritization Tool	2015

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480	2013	S/156200/CP/HED128	Investment Prioritization Tool	1070	64413349	Investment Prioritization Tool	2015
481	2013	S/156200/CP/HED136	Critical Integration Management Office	1070	65498585	Critical Integration Management Office	2015
482	2013	S/156200/CP/HED154	CI-Outage Interaction Services	1070	66709583	CI-Outage Interaction Services	2015
483	2013	S/156200/CP/HED161	Fleet Management - IT	1070	67021283	Fleet Management System	2015
484	2013	S/156200/CP/HED161	Fleet Management - IT	1070	67021283	Fleet Management System	2015
485	2013	S/156200/CP/HED161-B	Fleet Management - Business	1070	67021283	Fleet Management System	2015
486	2013	S/156200/CP/HED162	Active Risk Management - IT	1070	67474315	Active Risk Management	2015
487	2013	S/156200/CP/HED162	Active Risk Management - IT	1070	67474315	Active Risk Management	2015
488	2013	S/156200/CP/HED162	Active Risk Management - IT	1070	67474315	Active Risk Management	2015
489	2013	S/156200/CP/HED162-B	Active Risk Management - Business	1070	67474315	Active Risk Management	2015
490	2014	125039	Bank Reconciliation	1070	13000027	COH-SUBSTATION PLANT	2014
491	2014	125039	Bank Reconciliation	1070	13000028	COH-TRANSMISSION PLANT	2014
492	2014	125039	Bank Reconciliation	1070	13000300	COH-DISTRIBUTION PLANT	2014
493	2014	125104	Property Accounting	1070	13000027	COH-SUBSTATION PLANT	2014
494	2014	125104	Property Accounting	1070	13000028	COH-TRANSMISSION PLANT	2014
495	2014	125104	Property Accounting	1070	13000300	COH-DISTRIBUTION PLANT	2014
496	2014	156101	FM CORP RE & FM DIR	1070	60686570	BUCC FM BLDG DESIGN & CONSTR. CAP	2014
497	2014	156101	FM CORP RE & FM DIR	1070	68305826	2014 Cap Ice Machine Equipment Purchase	2015
498	2014	156101	FM CORP RE & FM DIR	1070	69660882	2014 Elec Cap So Houston Replace Meter L	2015
499	2014	156101	FM CORP RE & FM DIR	1070	70352516	2014 Elec Cap Addicks Operation Center P	2015
500	2014	156101	FM CORP RE & FM DIR	1070	71271319	2014 Elec Cap Greenspoint Office Bldg Ro	2015
501	2014	156102	FM PROJECT MANAGMENT	1070	13083692	Underground Storage Tank-Install-FTB	2015
502	2014	156102	FM PROJECT MANAGMENT	1070	13083696	Underground Storage Tank-Install-IHUM	2015
503	2014	156102	FM PROJECT MANAGMENT	1070	13083698	Underground Storage Tank-Install-KTY	2015
504	2014	156102	FM PROJECT MANAGMENT	1070	13083993	Underground Storage Tank-Install-GAL	2015
505	2014	156102	FM PROJECT MANAGMENT	1070	13083995	UndergroundStorage TankInstall-Building C	2015
506	2014	156102	FM PROJECT MANAGMENT	1070	13083999	Underground Storage Tank-Install-ECDC	2015
507	2014	156102	FM PROJECT MANAGMENT	1070	60686570	BUCC FM BLDG DESIGN & CONSTR. CAP	2014
508	2014	156102	FM PROJECT MANAGMENT	1070	68710465	2014 Cap AOC Phase I Furniture	2014
509	2014	156102	FM PROJECT MANAGMENT	1070	70352516	2014 Elec Cap Addicks Operation Center P	2015
510	2014	156103	FM PROJECT SUPPORT	1070	60686570	BUCC FM BLDG DESIGN & CONSTR. CAP	2014
511	2014	156103	FM PROJECT SUPPORT	1070	70352516	2014 Elec Cap Addicks Operation Center P	2015
512	2014	156103	FM PROJECT SUPPORT	1070	70417119	2014 Ele Cap AOC Phase I Furniture	2014
513	2014	156160	SEC SECURITY DIR	1070	68743399	2014 Cap AOC Security Charges	2015
514	2014	156221	PMO Management	1070	68141845	Mobile Data WiFi 4G Pilot	2014
515	2014	156225	Archit/Tech Risk	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
516	2014	156226	Customer Solutions	1070	61824546	CAT3 Sys Devel & Implement	2017
517	2014	159033	Houston Call Center	1070	70581715	CUST_14_BAR41_3601 HIGHWAY 6 S_ALDI	2014
518	2014	159033	Houston Call Center	1070	70594968	FUW_OSR_1201421901570_TP_S66U_TERM_P2	2014
519	2014	11033766	CLSD Legal to Entex Metro Project - CAP	1070	55585873	FDR_1990(3-2/0CU)_METRO	2012
520	2014	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
521	2014	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
522	2014	11034335	CLSD Legal to Zenith - Franz CCN - CAP	1070	65352134	P864 Preconstruction Order	2017
523	2014	11034335	CLSD Legal to Zenith - Franz CCN - CAP	1070	65352134	P864 Preconstruction Order	2017
524	2014	11034335	CLSD Legal to Zenith - Franz CCN - CAP	1070	65352134	P864 Preconstruction Order	2017
525	2014	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015
526	2014	11034663	Legal to Grand Parkway - CAP	1070	63749176	LEGAL SUPPORT FOR GRAND PKWY	2015
527	2014	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017

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528	2014	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
529	2014	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
530	2014	11035623	CLSD Legal to P847-1 Mont Belvieu Ves Mv	1070	65955884	P847-1 - Mont Belvieu Vessel Move Ckt #s	2015
531	2014	11035623	CLSD Legal to P847-1 Mont Belvieu Ves Mv	1070	65955884	P847-1 - Mont Belvieu Vessel Move Ckt #s	2015
532	2014	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
533	2014	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
534	2014	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2015
535	2014	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	1070	64413342	UCC-VoIP Implementation	2015
536	2014	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	1070	64413342	UCC-VoIP Implementation	2015
537	2014	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
538	2014	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
539	2014	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
540	2014	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
541	2014	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
542	2014	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
543	2014	S/156200/CP/ENTD044-GS	Mobile Data Ventyx R9 Upgrade - GIS	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
544	2014	S/156200/CP/ENTD058-BP	CVP/CRM Blueprinting- IT	1070	64412996	CRM Project	2014
545	2014	S/156200/CP/ENTD058-BP-E	CVP/CRM Blueprinting- Electric	1070	64412996	CRM Project	2014
546	2014	S/156200/CP/ENTD058-CH-B	CVP/CRM CHaRT- Business	1070	64412996	CRM Project	2014
547	2014	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	64412996	CRM Project	2014
548	2014	S/156200/CP/ENTD058-DC	CVP/CRM Data Cleansing/Conversion- IT	1070	64412996	CRM Project	2014
549	2014	S/156200/CP/ENTD058-DC-E	CVP/CRM Data Cleansing/Conversion- Elec	1070	64412996	CRM Project	2014
550	2014	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	1070	64412996	CRM Project	2014
551	2014	S/156200/CP/ENTD058-IN	CVP/CRM Infrastructure- IT	1070	64412996	CRM Project	2014
552	2014	S/156200/CP/ENTD058-MX	CVP/CRM SAP MaxAttention- IT	1070	64412996	CRM Project	2014
553	2014	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
554	2014	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
555	2014	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
556	2014	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014
557	2014	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014
558	2014	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014
559	2014	S/156200/CP/ENTD058-RE-E	CVP/CRM Realization- Electric	1070	64412996	CRM Project	2014
560	2014	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure	1070	64412996	CRM Project	2014
561	2014	S/156200/CP/ENTD079	Fuel Force Controllers Project	1070	64413344	Fuel Force Controllers Project	2017
562	2014	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	1070	64412996	CRM Project	2014
563	2014	S/156200/CP/ENTD083	CVP/CRM PMO Program Admin - IT	1070	64412996	CRM Project	2014
564	2014	S/156200/CP/ENTD083-B	CVP/CRM PMO Program Admin - Business	1070	64412996	CRM Project	2014
565	2014	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	65926831	Corporate Website Rebuild	2014
566	2014	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	65926831	Corporate Website Rebuild	2014
567	2014	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	65926831	Corporate Website Rebuild	2014
568	2014	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	65926831	Corporate Website Rebuild	2014
569	2014	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	65926831	Corporate Website Rebuild	2014
570	2014	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	65926831	Corporate Website Rebuild	2014
571	2014	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	66709570	CI-Bills Correspondence Integration	2015
572	2014	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	66709570	CI-Bills Correspondence Integration	2015
573	2014	S/156200/CP/ENTD096	CI-CSR Tool Modification for CRM	1070	66709577	CI-CSR Tool Modifications	2014
574	2014	S/156200/CP/ENTD103	SAP Health & Safety	1070	70473896	SAP Health and Safety	2014
575	2014	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013

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576	2014	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
577	2014	S/156200/CP/FIND017	SAP Fixed Assets Fresh Start- IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
578	2014	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
579	2014	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start- ALA	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
580	2014	S/156200/CP/FIND017-AL-B	SAP Fixed Assets Fresh Start- Business	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
581	2014	S/156200/CP/FIND039	Fixed Asset - IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
582	2014	S/156200/CP/FIND039	Fixed Asset - IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
583	2014	S/156200/CP/FIND039	Fixed Asset - IT	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
584	2014	S/156200/CP/FIND039-B	Fixed Asset - Business	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
585	2014	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	64413347	EAI - Elec Ops Support	2017
586	2014	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	64413347	EAI - Elec Ops Support	2017
587	2014	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	68708030	Order set back to REL status and LOCKED	2017
588	2014	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	68708030	Order set back to REL status and LOCKED	2017
589	2014	S/156200/CP/HEBM005	Outage Enablement (AMS) - IT	1070	68708030	Order set back to REL status and LOCKED	2017
590	2014	S/156200/CP/HEBM005-B	Outage Enablement (AMS)- Business	1070	68708030	Order set back to REL status and LOCKED	2017
591	2014	S/156200/CP/HEBM005-B	Outage Enablement (AMS)- Business	1070	68708030	Order set back to REL status and LOCKED	2017
592	2014	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	13084001	AOC Phase I (IT)	2014
593	2014	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	13084001	AOC Phase I (IT)	2014
594	2014	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	13084001	AOC Phase I (IT)	2014
595	2014	S/156200/CP/HEBM006-DR	AOC Phase I - Disaster Recovery	1070	13084001	AOC Phase I (IT)	2014
596	2014	S/156200/CP/HEBM006-DR	AOC Phase I - Disaster Recovery	1070	13084001	AOC Phase I (IT)	2014
597	2014	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	13084001	AOC Phase I (IT)	2014
598	2014	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	13084001	AOC Phase I (IT)	2014
599	2014	S/156200/CP/HEBM006-NS	AOC Phase I - Network Security	1070	13084001	AOC Phase I (IT)	2014
600	2014	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	13084001	AOC Phase I (IT)	2014
601	2014	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	13084001	AOC Phase I (IT)	2014
602	2014	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	13084001	AOC Phase I (IT)	2014
603	2014	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	13084001	AOC Phase I (IT)	2014
604	2014	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	13084001	AOC Phase I (IT)	2014
605	2014	S/156200/CP/HEBM006-TC	AOC Phase I - IT Telecom	1070	13084001	AOC Phase I (IT)	2014
606	2014	S/156200/CP/HEBM006-TC	AOC Phase I - IT Telecom	1070	13084001	AOC Phase I (IT)	2014
607	2014	S/156200/CP/HEBM007-B	Outage Management - Business	1070	69428524	Outage Management	2017
608	2014	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	64412999	Reg required major projects - EMO	2015
609	2014	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	64412999	Reg required major projects - EMO	2015
610	2014	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	64412999	Reg required major projects - EMO	2015
611	2014	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	64412989	Dereg Regulatory Fin Projects	2015
612	2014	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	64412989	Dereg Regulatory Fin Projects	2015
613	2014	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	66172400	CEHE Energy Efficiency Project Support	2015
614	2014	S/156200/CP/HED045	CEHE Energy Efficiency Project Support	1070	66172400	CEHE Energy Efficiency Project Support	2015
615	2014	S/156200/CP/HED062	LD Pro Update	1070	66925616	LD Pro Update	2015
616	2014	S/156200/CP/HED072	IOSS (AMS)	1070	68707540	IOSS	2014
617	2014	S/156200/CP/HED072	IOSS (AMS)	1070	68707540	IOSS	2014
618	2014	S/156200/CP/HED073	SD SOA (AMS)	1070	68707546	SD SOA	2014
619	2014	S/156200/CP/HED073	SD SOA (AMS)	1070	68707546	SD SOA	2014
620	2014	S/156200/CP/HED074	SD EAI (AMS)	1070	68707548	SD EAI	2014
621	2014	S/156200/CP/HED074	SD EAI (AMS)	1070	68707548	SD EAI	2014
622	2014	S/156200/CP/HED074	SD EAI (AMS)	1070	68707548	SD EAI	2014
623	2014	S/156200/CP/HED075	SD CIS (AMS)	1070	68707811	SD CIS	2014

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624	2014	S/156200/CP/HED075	SD CIS (AMS)	1070	68707811	SD CIS	2014
625	2014	S/156200/CP/HED078	AMS Analytics	1070	68707824	AMS Operations-Tivoli Srvices	2014
626	2014	S/156200/CP/HED078	AMS Analytics	1070	68707824	AMS Operations-Tivoli Srvices	2014
627	2014	S/156200/CP/HED078	AMS Analytics	1070	68707824	AMS Operations-Tivoli Srvices	2014
628	2014	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
629	2014	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
630	2014	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
631	2014	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
632	2014	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
633	2014	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
634	2014	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
635	2014	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
636	2014	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
637	2014	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
638	2014	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	64412995	BES Conversion to IEE SAP CCS Billing	2015
639	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	66925621	BM - CEHE EAI Technology Change	2015
640	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	66925621	BM - CEHE EAI Technology Change	2015
641	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	66925621	BM - CEHE EAI Technology Change	2015
642	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	68707548	SD EAI	2014
643	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	68707548	SD EAI	2014
644	2014	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	68707548	SD EAI	2014
645	2014	S/156200/CP/HED095	Asset Management for CEHE	1070	64413348	Asset Management for CEHE	2015
646	2014	S/156200/CP/HED095	Asset Management for CEHE	1070	64413348	Asset Management for CEHE	2015
647	2014	S/156200/CP/HED095	Asset Management for CEHE	1070	64413348	Asset Management for CEHE	2015
648	2014	S/156200/CP/HED095-B	Asset Management for CEHE - Business	1070	64413348	Asset Management for CEHE	2015
649	2014	S/156200/CP/HED098	Outage Notification	1070	64351148	Outage Notification	2015
650	2014	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
651	2014	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	54201829	ADMS FULL DEPLOYMENT - IG	2017
652	2014	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	13090582	HED115-Transformer Yard/PCB Tracking- P&L	2016
653	2014	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	13090582	HED115-Transformer Yard/PCB Tracking- P&L	2016
654	2014	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2017
655	2014	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2017
656	2014	S/156200/CP/HED125	ADMS (AMS)	1070	61824546	CAT3 Sys Devel & Implement	2017
657	2014	S/156200/CP/HED126	WiFi 4G Rollout	1070	68640000	Mobile Data WiFi/4G	2014
658	2014	S/156200/CP/HED126	WiFi 4G Rollout	1070	68640000	Mobile Data WiFi/4G	2014
659	2014	S/156200/CP/HED127	Service Center of the Future	1070	13090494	HED127 - Service Center of the Future	2017
660	2014	S/156200/CP/HED128	Investment Prioritization Tool	1070	64413349	Investment Prioritization Tool	2015
661	2014	S/156200/CP/HED128	Investment Prioritization Tool	1070	64413349	Investment Prioritization Tool	2015
662	2014	S/156200/CP/HED128	Investment Prioritization Tool	1070	64413349	Investment Prioritization Tool	2015
663	2014	S/156200/CP/HED129	AMS Analytics & Data Services	1070	69054660	ADS New Projects 2014	2017
664	2014	S/156200/CP/HED129	AMS Analytics & Data Services	1070	69054660	ADS New Projects 2014	2017
665	2014	S/156200/CP/HED133	DDS Enhancements	1070	64413354	DDS Enhancements	2015
666	2014	S/156200/CP/HED133	DDS Enhancements	1070	64413354	DDS Enhancements	2015
667	2014	S/156200/CP/HED136	Critical Integration Management Office	1070	65498585	Critical Integration Management Office	2015
668	2014	S/156200/CP/HED136	Critical Integration Management Office	1070	65498585	Critical Integraton Management Office	2015
669	2014	S/156200/CP/HED159	Project Engineering Reporting	1070	68202673	Project Engineering Reporting	2017
670	2014	S/156200/CP/HED159	Project Engineering Reporting	1070	68202673	Project Engineering Reporting	2017
671	2014	S/156200/CP/HED159	Project Engineering Reporting	1070	68202673	Project Engineering Reporting	2017

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672	2014	S/156200/CP/HED161	Fleet Management - IT	1070	67021283	Fleet Management System	2015
673	2014	S/156200/CP/HED161	Fleet Management - IT	1070	67021283	Fleet Management System	2015
674	2014	S/156200/CP/HED161	Fleet Management - IT	1070	67021283	Fleet Management System	2015
675	2014	S/156200/CP/HED161-B	Fleet Management - Business	1070	67021283	Fleet Management System	2015
676	2014	S/156200/CP/HED162	Active Risk Management - IT	1070	67474315	Active Risk Management	2015
677	2014	S/156200/CP/HED162	Active Risk Management - IT	1070	67474315	Active Risk Management	2015
678	2014	S/156200/CP/HED162-B	Active Risk Management - Business	1070	67474315	Active Risk Management	2015
679	2014	S/156200/CP/HED179	CEHE Asset LCA	1070	13090602	HED179 - CEHE Asset LCA	2016
680	2014	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
681	2014	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
682	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
683	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
684	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
685	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
686	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68639565	ADICKS-ADD 3RD & 4TH AOC FDRS - IFDN	2015
687	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68639565	ADICKS-ADD 3RD & 4TH AOC FDRS - IFDN	2015
688	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68639565	ADICKS-ADD 3RD & 4TH AOC FDRS - IFDN	2015
689	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	68639565	ADICKS-ADD 3RD & 4TH AOC FDRS - IFDN	2015
690	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	69421726	ADICKS - FABRICATE PANEL 36 PFAB	2014
691	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	69421726	ADICKS - FABRICATE PANEL 36 PFAB	2014
692	2014	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	69426456	ADICKS-INSTALL 23KV FDRS FOR BUCC R&S	2017
693	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
694	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
695	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	68618007	INST 3-2S/1B 3-3000 @ AOC-II (VT0093)-R	2014
696	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	68618007	INST 3-2S/1B 3-3000 @ AOC-II (VT0093)-R	2014
697	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	68618431	INST 3-2S/1B 3-3000 @ AOC-II (VT0093)-C	2015
698	2014	S/156200/CP/ITD089-CF	AOC Phase II - CEHE Feeder -IT	1070	68618431	INST 3-2S/1B 3-3000 @ AOC-II (VT0093)-C	2015
699	2014	S/156200/CP/ITD089-CF-B	AOC Phase II - CEHE Feeder -Business	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
700	2014	S/156200/CP/ITD089-CF-B	AOC Phase II - CEHE Feeder -Business	1070	68618007	INST 3-2S/1B 3-3000 @ AOC-II (VT0093)-R	2014
701	2014	S/156200/CP/ITD089-CF-B	AOC Phase II - CEHE Feeder -Business	1070	68618431	INST 3-2S/1B 3-3000 @ AOC-II (VT0093)-C	2015
702	2014	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
703	2014	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
704	2014	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
705	2014	S/156200/CP/ITD089-CN-B	AOC Phase II - AOC Construction-Business	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
706	2014	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
707	2014	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
708	2014	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
709	2014	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
710	2014	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
711	2014	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
712	2014	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
713	2014	S/156200/CP/ITD089-FM	AOC Phase II - Facility Management	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
714	2014	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
715	2014	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
716	2014	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
717	2014	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
718	2014	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
719	2014	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	68202678	AOC Phase II (IT Backup Data Center)	2015

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720	2014	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
721	2014	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
722	2014	S/156200/CP/ITD089-PM-B	AOC Phase II - Project Mgmt Support -Bus	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
723	2014	S/156200/CP/ITD089-PR-B	AOC Phase II - Purchasing - Business	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
724	2014	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
725	2014	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
726	2014	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	1070	68202687	Enterprise Portfolio Mgmt - Electric	2017
727	2014	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	1070	68202687	Enterprise Portfolio Mgmt - Electric	2017
728	2014	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	1070	68202687	Enterprise Portfolio Mgmt - Electric	2017
729	2014	S/156200/CP/ITD106-E	Enterprise Portfolio Mgmt - Electric	1070	68202687	Enterprise Portfolio Mgmt - Electric	2017
730	2015	125104	Property Accounting	1070	13000027	COH-SUBSTATION PLANT	2015
731	2015	125104	Property Accounting	1070	13000028	COH-TRANSMISSION PLANT	2015
732	2015	125104	Property Accounting	1070	13000300	COH-DISTRIBUTION PLANT	2015
733	2015	125104	Property Accounting	1070	13090049	COH-SUBSTATION PLANT	2015
734	2015	125104	Property Accounting	1070	13090050	COH-TRANSMISSION PLANT	2015
735	2015	125104	Property Accounting	1070	13090051	COH-DISTRIBUTION PLANT	2015
736	2015	156101	FM CORP RE & FM DIR	1070	71482359	2014 Elec Cap S. Hou Bldg I New Roof	2016
737	2015	156101	FM CORP RE & FM DIR	1070	72528419	Greenspoint Re-Skin Buildings Elec Cap	2016
738	2015	156101	FM CORP RE & FM DIR	1070	74283663	New Harrisburg Storage Bldg Elec Cap 201	2016
739	2015	156101	FM CORP RE & FM DIR	1070	74283827	Harrisburg New Retroom Addition Elec Cap	2016
740	2015	156101	FM CORP RE & FM DIR	1070	76291372	Humble Garage Roof Replacement Elec Cap	2016
741	2015	156102	FM PROJECT MANAGMENT	1070	72528419	Greenspoint Re-Skin Buildings Elec Cap	2016
742	2015	156102	FM PROJECT MANAGMENT	1070	72697046	AOC Phase 1 Constuction 2015	2016
743	2015	156102	FM PROJECT MANAGMENT	1070	73708312	South Houston Bldg G Equipment Awning/Tr	2016
744	2015	156102	FM PROJECT MANAGMENT	1070	73923834	AOC Furniture Elec Cap 2015	2015
745	2015	156102	FM PROJECT MANAGMENT	1070	74283663	New Harrisburg Storage Bldg Elec Cap 201	2016
746	2015	156102	FM PROJECT MANAGMENT	1070	74283822	New Harrisburg Land Purchase Elec Cap 20	2016
747	2015	156102	FM PROJECT MANAGMENT	1070	74283827	Harrisburg New Retroom Addition Elec Cap	2016
748	2015	156102	FM PROJECT MANAGMENT	1070	74622786	Hiram Clarke Utilities Connection to Cit	2016
749	2015	156239	Mkt/Field/Logistics	1070	49809838	ERCOT 15 Minute Settlement	2009
750	2015	156239	Mkt/Field/Logistics	1070	71243353	ERCOT 15 Minute Settlement	2014
751	2015	156261	Bus Tech Support	1070	13089123	2015 Premise Equipment Replacement	2017
752	2015	156265	Technical Operations	1070	64720531	ADS New Projects 2013	2016
753	2015	156266	Operational/Corp Ana	1070	73626310	AMS Full Deployment - MDM EMA 20 Upgrade	2017
754	2015	156283	Network Operations	1070	74283663	New Harrisburg Storage Bldg Elec Cap 201	2016
755	2015	11032723	Legal to IG SGIG Support	1070	74023789	11/17/15 / 11/18/15 12/09/15	2015
756	2015	11033822	CLSDLegal to Purchase Esmt Merfish-CAP	1070	58766273	P621 Purchase Easement Merfish Property	2016
757	2015	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
758	2015	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
759	2015	11034335	CLSD Legal to Zenith - Franz CCN - CAP	1070	65352134	P864 Preconstruction Order	2017
760	2015	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
761	2015	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
762	2015	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
763	2015	11036707	CLSD Legal to Merfish T-Line Crossing	1070	73626766	P621 Land Purchase Order	2017
764	2015	11036707	CLSD Legal to Merfish T-Line Crossing	1070	73626766	P621 Land Purchase Order	2017
765	2015	11037101	CLSD Reg to CEHE BVC CCN 2015	1070	66450038	P872 Preconstruction Order	2017
766	2015	11037101	CLSD Reg to CEHE BVC CCN 2015	1070	66450038	P872 Preconstruction Order	2017
767	2015	11037101	CLSD Reg to CEHE BVC CCN 2015	1070	66450038	P872 Preconstruction Order	2017

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768	2015	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
769	2015	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
770	2015	S/156200/CP/ENTB005	Oracle Fusion - Capital	1070	13090592	HED072-IOSS (AMS)	2016
771	2015	S/156200/CP/ENTBM001	DB2 BW Historical Migration to HANA - IT	1070	13090942	ENTBM001-BW Historical Migration to HANA	2016
772	2015	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2014
773	2015	S/156200/CP/ENTD041-B	CVP VoIP/ CHaRT-Business	1070	64413342	UCC-VoIP Implementation	2014
774	2015	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
775	2015	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
776	2015	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
777	2015	S/156200/CP/ENTD044-B	Mobile Data Ventyx R9 Upgrade - Business	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
778	2015	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
779	2015	S/156200/CP/ENTD044-E	Mobile Data Ventyx R9 Upgrade - Electric	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
780	2015	S/156200/CP/ENTD058-RE	CVP/CRM Realization- IT	1070	64412996	CRM Project	2014
781	2015	S/156200/CP/ENTD058-RE-B	CVP/CRM Realization- Business	1070	64412996	CRM Project	2014
782	2015	S/156200/CP/ENTD086	Corporate Website Rebuild - IT	1070	13090924	ENTD086-Corp Website Rebuild	2016
783	2015	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	13090924	ENTD086-Corp Website Rebuild	2016
784	2015	S/156200/CP/ENTD086-B	Corporate Website Rebuild - Business	1070	13090924	ENTD086-Corp Website Rebuild	2016
785	2015	S/156200/CP/ENTD100	Data Center Modernization - IT	1070	13090642	ENTD100-Data Center Modernization-IT	2016
786	2015	S/156200/CP/ENTD100	Data Center Modernization - IT	1070	13090642	ENTD100-Data Center Modernization-IT	2016
787	2015	S/156200/CP/ENTD103	SAP Health & Safety	1070	13090642	ENTD100-Data Center Modernization-IT	2016
788	2015	S/156200/CP/ENTD114	Fixed Asset - IT	1070	13091182	ALA-ARO Fixed Asset Enhancement	2015
789	2015	S/156200/CP/ENTD114-B	Fixed Asset - Business	1070	13091182	ALA-ARO Fixed Asset Enhancement	2015
790	2015	S/156200/CP/ENTD114-B	Fixed Asset - Business	1070	13091182	ALA-ARO Fixed Asset Enhancement	2015
791	2015	S/156200/CP/ENTD116	Preference Center - IT only	1070	13090943	ENTD116 - Preference Center	2017
792	2015	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
793	2015	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
794	2015	S/156200/CP/ENTD133	Integrity Check	1070	13091502	ENTD133 - Integrity Check	2016
795	2015	S/156200/CP/ENTD138	Web Enhancements	1070	13091822	ENTD138-Web Enhancements	2016
796	2015	S/156200/CP/HEB002	EAI - Elec Ops Support	1070	64413347	EAI - Elec Ops Support	2017
797	2015	S/156200/CP/HEBM006	AOC Phase I (Transmission Control)	1070	13090062	HEBM006-AOC Phase I (IT)	2017
798	2015	S/156200/CP/HEBM006-LN	AOC Phase I - LAN Services	1070	13090062	HEBM006-AOC Phase I (IT)	2017
799	2015	S/156200/CP/HEBM006-NW	AOC Phase I - Network Services	1070	13090062	HEBM006-AOC Phase I (IT)	2017
800	2015	S/156200/CP/HEBM006-PM	AOC Phase I - Project Mgmt Support	1070	13090062	HEBM006-AOC Phase I (IT)	2017
801	2015	S/156200/CP/HEBM008	AMS Analytics - Real Time Mgmt	1070	13090587	HEBM008-Analytics-Real Time Mgmt	2016
802	2015	S/156200/CP/HEBM009	AMS Analytics - Operations	1070	13090588	HEBM009-Analytics-Operations	2016
803	2015	S/156200/CP/HEBM009	AMS Analytics - Operations	1070	13090588	HEBM009-Analytics-Operations	2016
804	2015	S/156200/CP/HED011-S	BM - CIS/BES/TMH Mandated Changes	1070	13090589	HED011-S-BM-CIS/BES/TMH Mandated Chrg	2016
805	2015	S/156200/CP/HED024	BM - Mandated Revenue Changes	1070	13090590	HED024-BM-Mandated Revenue Changes	2016
806	2015	S/156200/CP/HED072	IOSS (AMS)	1070	13090592	HED072-IOSS (AMS)	2016
807	2015	S/156200/CP/HED074	SD EAI (AMS)	1070	13090594	HED074-SD EAI (AMS)	2017
808	2015	S/156200/CP/HED075	SD CIS (AMS)	1070	13090595	HED075-SD CIS (AMS)	2016
809	2015	S/156200/CP/HED084	BES/SWIS/SLAMS to SAP - IT	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
810	2015	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
811	2015	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
812	2015	S/156200/CP/HED084-RE	BES/SWIS/SLAMS to SAP - Realization- IT	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
813	2015	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
814	2015	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
815	2015	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13090594	HED074-SD EAI (AMS)	2017

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816	2015	S/156200/CP/HED090	BM - CEHE EAI Technology Change-IT	1070	13090597	HED090-BM-CEHE EAI Technology Change IT	2016
817	2015	S/156200/CP/HED095	Asset Management for CEHE	1070	13090598	HED095-Asset Management for CEHE	2017
818	2015	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	13090599	HED104-Security - IG	2018
819	2015	S/156200/CP/HED105	SDD - Intelligent Grid (IG)	1070	74023789	11/17/15 / 11/18/15 12/09/15	2015
820	2015	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	13090582	HED115-Transformer Yard/PCB Tracking- P&L	2016
821	2015	S/156200/CP/HED125	ADMS (AMS)	1070	13090601	HED125-ADMS Gap Resolution	2016
822	2015	S/156200/CP/HED127	Service Center of the Future	1070	13090494	HED127 - Service Center of the Future	2017
823	2015	S/156200/CP/HED127-BC	SCOTF - Meter Bar Code	1070	13090494	HED127 - Service Center of the Future	2017
824	2015	S/156200/CP/HED127-UM	SCOTF - Unplanned Material Request	1070	13090494	HED127 - Service Center of the Future	2017
825	2015	S/156200/CP/HED128	Investment Prioritization Tool	1070	13090622	HED128-Investment Prioritization Tool	2015
826	2015	S/156200/CP/HED133	DDS Enhancements	1070	13090623	HED133-DDS Enhancements	2017
827	2015	S/156200/CP/HED133-B	DDS Enhancements - Business	1070	13090623	HED133-DDS Enhancements	2017
828	2015	S/156200/CP/HED136	Critical Integration Management Office	1070	13090624	HED136-Critical Integration Mgmt Office	2018
829	2015	S/156200/CP/HED159	Project Engineering Reporting	1070	13090626	HED159-Project Engineering Reporting	2017
830	2015	S/156200/CP/HED161	Fleet Management - IT	1070	13090627	HED161-Fleet Management IT	2015
831	2015	S/156200/CP/HED162	Active Risk Management - IT	1070	67474315	Active Risk Management	2015
832	2015	S/156200/CP/HED178	Mobile Data for Contractors - IT	1070	13090629	HED178-Mobile Data for Contractors-IT	2018
833	2015	S/156200/CP/HED179	CEHE Asset LCA	1070	13090602	HED179 - CEHE Asset LCA	2016
834	2015	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
835	2015	S/156200/CP/ITD089	AOC Phase II (IT Backup Data Center)	1070	68202678	AOC Phase II (IT Backup Data Center)	2015
836	2015	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
837	2015	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
838	2015	S/156200/CP/ITD089-CN-B	AOC Phase II - AOC Construction-Business	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
839	2015	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
840	2015	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
841	2015	S/156200/CP/ITD089-CS	AOC Phase II - Corporate Security	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
842	2015	S/156200/CP/ITD089-DB	AOC Phase II - Database - IT ONLY	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
843	2015	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
844	2015	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
845	2015	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
846	2015	S/156200/CP/ITD089-DS	AOC Phase II - Desktop Services	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
847	2015	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
848	2015	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
849	2015	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
850	2015	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
851	2015	S/156200/CP/ITD089-PM-B	AOC Phase II - Project Mgmt Support -Bus	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
852	2015	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
853	2015	S/156200/CP/ITD089-SD-E	AOC Phase II - IT Applications- Electric	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
854	2015	S/156200/CP/ITD089-TC	AOC Phase II - IT Telecom	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
855	2015	S/156200/CP/ITD106	Enterprise Portfolio Mgmt - IT	1070	68202687	Enterprise Portfolio Mgmt - Electric	2014
856	2015	S/156200/CP/SAPBM-BW	SAP BM Capital Business Warehouse	1070	13090630	SAPBM-Capital	2018
857	2015	S/156200/CP/SAPBM-FIN	SAP BM Capital Finance	1070	13090630	SAPBM-Capital	2018
858	2015	S/156200/CP/SAPBM-HR	SAP BM Capital Human Resources	1070	13090630	SAPBM-Capital	2018
859	2016	125104	Property Accounting	1070	13090049	COH-SUBSTATION PLANT	2016
860	2016	125104	Property Accounting	1070	13090050	COH-TRANSMISSION PLANT	2016
861	2016	125104	Property Accounting	1070	13090051	COH-DISTRIBUTION PLANT	2016
862	2016	156101	FM CORP RE & FM DIR	1070	72528419	Greenspoint Re-Skin Buildings Elec Cap	2016
863	2016	156102	FM PROJECT MANAGMENT	1070	72528419	Greenspoint Re-Skin Buildings Elec Cap	2016

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864	2016	156102	FM PROJECT MANAGMENT	1070	74283663	New Harrisburg Storage Bldg Elec Cap 201	2016
865	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
866	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	62489593	P834 Preconstruction Order	2017
867	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	76309034	P834 Preconstruction Order	2018
868	2016	11034334	CLSDLegal to Oyster Creek CCN-CAP	1070	76309034	P834 Preconstruction Order	2018
869	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
870	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
871	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	66450038	P872 Preconstruction Order	2017
872	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	76323488	P872 Preconstruction Order	2018
873	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	76323488	P872 Preconstruction Order	2018
874	2016	11035167	CLSDLegal to Brazos Vally Connection-CAP	1070	76323488	P872 Preconstruction Order	2018
875	2016	11037101	CLSD Reg to CEHE BVC CCN 2015	1070	66450038	P872 Preconstruction Order	2017
876	2016	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
877	2016	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
878	2016	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
879	2016	S/156200/CP/ENTB001-CP	BR - Computing Plat	1070	13091924	ENTB001-Dual Data Center Environment	2018
880	2016	S/156200/CP/ENTB001-DC	BR - Management	1070	13091924	ENTB001-Dual Data Center Environment	2018
881	2016	S/156200/CP/ENTB001-DC	BR - Management	1070	13091924	ENTB001-Dual Data Center Environment	2018
882	2016	S/156200/CP/ENTB005	Oracle Fusion - Capital	1070	13091909	ENTB005 - Oracle Fusion	2018
883	2016	S/156200/CP/ENTB006	MAO Optimization	1070	13092802	ENTB006 - MAO Optimization	2018
884	2016	S/156200/CP/ENTB009	Fusion 11.7 Upgrade	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
885	2016	S/156200/CP/ENTBM001	DB2 BW Historical Migration to HANA - IT	1070	13090942	ENTBM001-BW Historical Migration to HANA	2016
886	2016	S/156200/CP/ENTBM003-TEL	Analytics Real Time Mgmt -BM- Telecomm	1070	13091936	ENTBM003-TEL-Analytics Real Time Mgmt	2017
887	2016	S/156200/CP/ENTBM004-TEL	Analytics Operations BM - Telecomm	1070	13091937	ENTBM004-TEL-Analytics Operations BM	2017
888	2016	S/156200/CP/ENTBM005	HANA- OWP Historical Data	1070	13091931	ENTBM005-HANA OWP Historical Data	2017
889	2016	S/156200/CP/ENTD041	CVP VoIP/ CHaRT-IT	1070	64413342	UCC-VoIP Implementation	2014
890	2016	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade - IT	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
891	2016	S/156200/CP/ENTD058-CH	CVP/CRM CHaRT (Only BCM, Natural)	1070	64412996	CRM Project	2014
892	2016	S/156200/CP/ENTD087	CI-Bills & Corresp Storage & Retrieval	1070	66709570	CI-Bills Correspondence Integration	2015
893	2016	S/156200/CP/ENTD114	Fixed Asset - IT	1070	13091182	ALA-ARO Fixed Asset Enhancement	2015
894	2016	S/156200/CP/ENTD116	Preference Center - IT only	1070	13090943	ENTD116 - Preference Center	2017
895	2016	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
896	2016	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
897	2016	S/156200/CP/ENTD134-OEM	OEM Implementation of Fusion Resiliency	1070	13092102	ENTD134-OEM-Implement. of Fusion Middle	2017
898	2016	S/156200/CP/ENTD135-DL	Data Loss Prevention	1070	13091935	ENTD135-DL-Data Loss Prevention - 2016	2018
899	2016	S/156200/CP/ENTD135-SE	SIEM Expansion	1070	13091934	ENTD135-SE-SIEM Expansion - 2016	2018
900	2016	S/156200/CP/ENTD135-SO	Security Operations Center	1070	13091933	ENTD135-SO-Security Operations Center	2018
901	2016	S/156200/CP/ENTD137-TEL	Analytics Operations Discr - Telecomm	1070	13091939	ENTD137-TEL-Analytics Operations Disc	2017
902	2016	S/156200/CP/ENTDMDSI	MDSI Enhancements - IT	1070	13091911	ENTDMDSI MDSI ENHANCEMENTS	2017
903	2016	S/156200/CP/HEB009-E	AMS Firewall Refresh - Business	1070	13092162	HEB009-E AMS Firewall Refresh	2017
904	2016	S/156200/CP/HEBM008	AMS Analytics - Real Time Mgmt	1070	13090587	HEBM008-Analytics-Real Time Mgmt	2016
905	2016	S/156200/CP/HEBM009	AMS Analytics - Operations	1070	13090588	HEBM009-Analytics-Operations	2016
906	2016	S/156200/CP/HEBM011-S	CIS/BES/TMH Mandated Changes	1070	13091508	HEBM011-S-CIS/BES/TMH Mandated Changes	2018
907	2016	S/156200/CP/HEBM012-EH	eHSM Incident Management	1070	13091925	HEBM012-Environmental Health & Safety	2018
908	2016	S/156200/CP/HEBM013	HANA- C&I REG BM	1070	13091932	HEBM013-HANA-C&I REG BM	2017
909	2016	S/156200/CP/HEBM014	HANA- Netezza Migration	1070	13091940	HEBM014-HANA Netezza Migration	2017
910	2016	S/156200/CP/HEBM014	HANA- Netezza Migration	1070	13091940	HEBM014-HANA Netezza Migration	2017
911	2016	S/156200/CP/HEBM014-B	HANA- Netezza Migration - Business	1070	13091940	HEBM014-HANA Netezza Migration	2017

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912	2016	S/156200/CP/HEBM014-B	HANA- Netezza Migration - Business	1070	13091940	HEBM014-HANA Netezza Migration	2017
913	2016	S/156200/CP/HED002	iTrack- SAP Integration	1070	13091908	HED002-iTrack	2017
914	2016	S/156200/CP/HED072	IOSS (AMS)	1070	13090592	HED072-IOSS (AMS)	2016
915	2016	S/156200/CP/HED074	SD EAI (AMS)	1070	13090594	HED074-SD EAI (AMS)	2017
916	2016	S/156200/CP/HED075	SD CIS (AMS)	1070	13090595	HED075-SD CIS (AMS)	2016
917	2016	S/156200/CP/HED084-B	BES/SWIS/SLAMS to SAP - Business	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
918	2016	S/156200/CP/HED084-RE-B	BES/SWIS/SLAMS to SAP - Realization- Bus	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
919	2016	S/156200/CP/HED095	Asset Management for CEHE	1070	13090598	HED095-Asset Management for CEHE	2017
920	2016	S/156200/CP/HED104	Security - Intelligent Grid (IG)	1070	13090599	HED104-Security - IG	2018
921	2016	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	13090582	HED115-Transformer Yard/PCB Tracking- P&L	2016
922	2016	S/156200/CP/HED115	Transformer Yard/PCB Tracking-P&L	1070	13090582	HED115-Transformer Yard/PCB Tracking- P&L	2016
923	2016	S/156200/CP/HED125	ADMS (AMS)	1070	13090601	HED125-ADMS Gap Resolution	2016
924	2016	S/156200/CP/HED127	Service Center of the Future	1070	13090494	HED127 - Service Center of the Future	2017
925	2016	S/156200/CP/HED127-UM	SCOTF - Unplanned Material Request	1070	13090494	HED127 - Service Center of the Future	2017
926	2016	S/156200/CP/HED133	DDS Enhancements	1070	13090623	HED133-DDS Enhancements	2017
927	2016	S/156200/CP/HED133-B	DDS Enhancements - Business	1070	13090623	HED133-DDS Enhancements	2017
928	2016	S/156200/CP/HED136	Critical Integration Management Office	1070	13090624	HED136-Critical Integration Mgmt Office	2018
929	2016	S/156200/CP/HED159	Project Engineering Reporting	1070	13090626	HED159-Project Engineering Reporting	2017
930	2016	S/156200/CP/HED178	Mobile Data for Contractors - IT	1070	13090629	HED178-Mobile Data for Contractors-IT	2017
931	2016	S/156200/CP/HED182	HANA- Hardware Expansion	1070	13091941	HED182-HANA Hardware Expansion	2018
932	2016	S/156200/CP/HED183	MDM 7.7 Upgrade Project	1070	73626121	AMS Full Deployment - MDM 7.7 Upgrade Pr	2017
933	2016	S/156200/CP/HED184	MDM EMA 20 Upgrade Project	1070	73626310	AMS Full Deployment - MDM EMA 20 Upgrade	2017
934	2016	S/156200/CP/HED185	MDM Flex Sync Project	1070	73626327	AMS System Modifications - MDM Flex Sync	2017
935	2016	S/156200/CP/HED186	Asset Health URD	1070	13092487	HED186 - Asset Health URD	2018
936	2016	S/156200/CP/HED187	Safety Analytics Reporting	1070	13092582	HED187 - Safety Analytics Reporting	2017
937	2016	S/156200/CP/HED188-IGSD	Asset Mgmt for CEHE-IGSD	1070	13090598	HED095-Asset Management for CEHE	2017
938	2016	S/156200/CP/HED188-RELAY	Asset Mgmt for CEHE-Relay Sys	1070	13090598	HED095-Asset Management for CEHE	2017
939	2016	S/156200/CP/ITD089-BR	AOC Phase II - Business Resiliency	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
940	2016	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
941	2016	S/156200/CP/ITD089-CB	AOC Phase II - CEHE Substation -IT	1070	69426456	ADICKS-INSTALL 23KV FDRS FOR BUCC R&S	2017
942	2016	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
943	2016	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
944	2016	S/156200/CP/ITD089-CN	AOC Phase II - AOC Construction-IT	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
945	2016	S/156200/CP/ITD089-CP	AOC Phase II - UNIX	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
946	2016	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
947	2016	S/156200/CP/ITD089-DR	AOC Phase II - Disaster Recovery	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
948	2016	S/156200/CP/ITD089-DS	AOC Phase II - Desktop Services	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
949	2016	S/156200/CP/ITD089-LN	AOC Phase II - LAN Services	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
950	2016	S/156200/CP/ITD089-NS	AOC Phase II - Network Security	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
951	2016	S/156200/CP/ITD089-NW	AOC Phase II - Network Services	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
952	2016	S/156200/CP/ITD089-PM	AOC Phase II - Project Mgmt Support -IT	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
953	2016	S/156200/CP/ITD089-SD	AOC Phase II - IT Applications	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
954	2016	S/156200/CP/ITD089-TC	AOC Phase II - IT Telecom	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2016
955	2016	S/156200/CP/SAPBM-BW	SAP BM Capital Business Warehouse	1070	13090630	SAPBM-Capital	2018
956	2016	S/156200/CP/SAPBM-FIN	SAP BM Capital Finance	1070	13090630	SAPBM-Capital	2018
957	2016	S/156200/CP/SAPBM-HA-LO	SAP BM LOA	1070	13090630	SAPBM-Capital	2018
958	2016	S/156200/CP/SAPBM-HR	SAP BM Capital Human Resources	1070	13090630	SAPBM-Capital	2018
959	2016	S/156200/CP/SAPBM-SS	SAP BM Capital Shared Services	1070	13090630	SAPBM-Capital	2018

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960	2017	125104	Property Accounting	1070	13090049	COH-SUBSTATION PLANT	2017
961	2017	125104	Property Accounting	1070	13090050	COH-TRANSMISSION PLANT	2017
962	2017	125104	Property Accounting	1070	13090051	COH-DISTRIBUTION PLANT	2017
963	2017	125115	ResidentialElec Bill	1070	82792341	AMS IDR	2018
964	2017	125127	Lg Comm& Indus Bill	1070	82792341	AMS IDR	2018
965	2017	156101	FM CORP RE & FM DIR	1070	82160569	SoHo Cmplx Shops Bldg Roof Elec Cap 2017	2018
966	2017	156102	FM PROJECT MANAGMENT	1070	81256640	New parking lot, SOH Bldg F North parkin	2018
967	2017	156102	FM PROJECT MANAGMENT	1070	81355180	HO Clarke Modular Training Bldg Excavati	2018
968	2017	156102	FM PROJECT MANAGMENT	1070	82349297	Sealy Area Restoration 5-23-2017	2018
969	2017	156102	FM PROJECT MANAGMENT	1070	82431068	SOHO Cmplx New Fire Protection Systems C	2017
970	2017	156102	FM PROJECT MANAGMENT	1070	83312692	HOC New Service Center Cap Elec 2017	2018
971	2017	156266	Operational/Corp Ana	1070	82349297	Sealy Area Restoration 5-23-2017	2018
972	2017	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
973	2017	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
974	2017	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
975	2017	S/156200/CP/ENTB001-CP	BR - Computing Plat	1070	13091924	ENTB001-Dual Data Center Environment	2018
976	2017	S/156200/CP/ENTB001-DB	Disaster Recovery - Database	1070	13092904	ENTB001-Dual Data Ctr Environment - 2017	2018
977	2017	S/156200/CP/ENTB001-DC	BR - Management	1070	13091924	ENTB001-Dual Data Center Environment	2018
978	2017	S/156200/CP/ENTB001-DC	BR - Management	1070	13091924	ENTB001-Dual Data Center Environment	2018
979	2017	S/156200/CP/ENTB001-LN	BR - LAN Services	1070	13091924	ENTB001-Dual Data Center Environment	2018
980	2017	S/156200/CP/ENTB001-NW	BR - Network	1070	13092904	ENTB001-Dual Data Ctr Environment - 2017	2018
981	2017	S/156200/CP/ENTB005	Oracle Fusion - Capital	1070	13091909	ENTB005 - Oracle Fusion	2018
982	2017	S/156200/CP/ENTB009	Fusion 11.7 Upgrade	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
983	2017	S/156200/CP/ENTB009-B	Fusion 11.7 Upgrade-B	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
984	2017	S/156200/CP/ENTB009-B	Fusion 11.7 Upgrade-B	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
985	2017	S/156200/CP/ENTBM005	HANA- OWP Historical Data	1070	13091931	ENTBM005-HANA OWP Historical Data	2017
986	2017	S/156200/CP/ENTD116	Preference Center - IT only	1070	13090943	ENTD116 - Preference Center	2017
987	2017	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
988	2017	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
989	2017	S/156200/CP/ENTD132	MFM Mobius Replacement-IT Only	1070	13091929	ENTD132-MFM Mobius Replacement-IT	2018
990	2017	S/156200/CP/ENTD135-DL	Data Loss Prevention	1070	13091935	ENTD135-DL-Data Loss Prevention - 2016	2018
991	2017	S/156200/CP/ENTD135-SE	SIEM Expansion	1070	13091934	ENTD135-SE-SIEM Expansion - 2016	2018
992	2017	S/156200/CP/ENTD135-SO	Security Operations Center	1070	13091933	ENTD135-SO-Security Operations Center	2018
993	2017	S/156200/CP/ENTD137-TEL	Analytics Operations Discr - Telecomm	1070	13091939	ENTD137-TEL-Analytics Operations Disc	2017
994	2017	S/156200/CP/ENTDMDSI	MDSI Enhancements - IT	1070	13091911	ENTDMDSI MDSI ENHANCEMENTS	2017
995	2017	S/156200/CP/HEBM011-S	CIS/BES/TMH Mandated Changes	1070	13091508	HEBM011-S-CIS/BES/TMH Mandated Changes	2018
996	2017	S/156200/CP/HEBM012-EH	eHSM Incident Management	1070	13091925	HEBM012-Environmental Health & Safety	2018
997	2017	S/156200/CP/HEBM013	HANA- C&I REG BM	1070	13091932	HEBM013-HANA-C&I REG BM	2017
998	2017	S/156200/CP/HEBM014	HANA- Netezza Migration	1070	13091940	HEBM014-HANA Netezza Migration	2017
999	2017	S/156200/CP/HEBM014-B	HANA- Netezza Migration - Business	1070	13091940	HEBM014-HANA Netezza Migration	2017
1000	2017	S/156200/CP/HEBM015CR	TRM CRIP/LCA/MIS LOA	1070	13093082	HEBM015CR-TRM CRIP/LCA/MIS LOA	2018
1001	2017	S/156200/CP/HEBM015CR-B	TRM CRIP/LCA/MIS LOA-Business	1070	13093082	HEBM015CR-TRM CRIP/LCA/MIS LOA	2018
1002	2017	S/156200/CP/HED002	iTrack- SAP Integration	1070	13091908	HED002-iTrack	2018
1003	2017	S/156200/CP/HED159	Project Engineering Reporting	1070	13090626	HED159-Project Engineering Reporting	2018
1004	2017	S/156200/CP/HED186	Asset Health URD	1070	13092487	HED186 - Asset Health URD	2018
1005	2017	S/156200/CP/HED188-CAPBK	Asset Mgmt for CEHE-CapacitorBnk	1070	13092882	HED188-Asset Mgmt for CEHE	2018
1006	2017	S/156200/CP/HED188-IGSD	Asset Mgmt for CEHE-IGSD	1070	13092882	HED188-Asset Mgmt for CEHE	2018
1007	2017	S/156200/CP/HED188-RELAY	Asset Mgmt for CEHE-Relay Sys	1070	13092882	HED188-Asset Mgmt for CEHE	2018

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1008	2017	S/156200/CP/HED189	iTrack Phase 3	1070	13092243	HED189-2017 iTrack SAP Integration Phase	2017
1009	2017	S/156200/CP/HEDAMS-ER	eRock Project	1070	82792341	AMS IDR	2018
1010	2017	S/156200/CP/SAPBM-FIN	SAP BM Capital Finance	1070	13090630	SAPBM-Capital	2018
1011	2017	S/156200/CP/SAPBM-HA-LO	SAP BM LOA	1070	13090630	SAPBM-Capital	2018
1012	2017	S/156200/CP/SSBM001	SOC Enhancements	1070	82382941	SOC-VMS PROJECT	2018
1013	2018	125104	Property Accounting	1070	13090049	COH-SUBSTATION PLANT	2018
1014	2018	125104	Property Accounting	1070	13090050	COH-TRANSMISSION PLANT	2018
1015	2018	125104	Property Accounting	1070	13090051	COH-DISTRIBUTION PLANT	2018
1016	2018	156101	FM CORP RE & FM DIR	1070	13093863	Katy Land Purchase	2018
1017	2018	156101	FM CORP RE & FM DIR	1070	82160569	SoHo Cmplx Shops Bldg Roof Elec Cap 2017	2018
1018	2018	156101	FM CORP RE & FM DIR	1070	83312692	HOC New Service Center Cap Elec 2017	2018
1019	2018	156101	FM CORP RE & FM DIR	1070	85225727	SoHo BldgA Roof Replacement Elec Cap 101	2018
1020	2018	156101	FM CORP RE & FM DIR	1070	86023061	SoHo BldgI Replace roof Cap Elec 2018	2018
1021	2018	156101	FM CORP RE & FM DIR	1070	86465088	Katy Electric Paving Cap Elec 2018	2018
1022	2018	156102	FM PROJECT MANAGMENT	1070	82431068	SOHO Cmplx New Fire Protection Systems C	2017
1023	2018	156102	FM PROJECT MANAGMENT	1070	83011432	SoHo Cmplx New Wriuse Sprinkler Systm Cap	2018
1024	2018	156102	FM PROJECT MANAGMENT	1070	83312692	HOC New Service Center Cap Elec 2017	2018
1025	2018	156261	Bus Tech Support	1070	13093827	2018 Premise Equipment Replacement	2018
1026	2018	156261	Bus Tech Support	1070	13093828	2018 Capital Mobile Data Computer Replac	2018
1027	2018	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
1028	2018	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
1029	2018	11037380	Legal to Brazos Valley Land/ROW - CAP	1070	75639180	P872 - Brazos Valley Land/ROW	2018
1030	2018	S/156200/CP/ENTB005-SW	Oracle License	1070	13094544	ENTB005-SW - Oracle License	2018
1031	2018	S/156200/CP/ENTB008-TA	2017 Implement Test Automation	1070	13093085	ENTB008-TA-Implement Test Automation	2018
1032	2018	S/156200/CP/ENTB009	Fusion 11.7 Upgrade	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
1033	2018	S/156200/CP/ENTB009-B	Fusion 11.7 Upgrade-B	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
1034	2018	S/156200/CP/ENTBM003R2	QA Repositories for Regulatory Analysis	1070	13093383	ENTBM003R2-QA Repositories for RegAnalys	2018
1035	2018	S/156200/CP/ENTBM006PR	PRD Training Records	1070	13093722	ENTBM006PR - PRD Training Records	2018
1036	2018	S/156200/CP/ENTBM009	Website Enhancements for ADA 2017	1070	13093566	ENTBM009 - Website Enhancements for ADA	2018
1037	2018	S/156200/CP/ENTD116	Preference Center - IT only	1070	13090943	ENTD116 - Preference Center	2017
1038	2018	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
1039	2018	S/156200/CP/ENTD116-B	Preference Center - Business only	1070	13090943	ENTD116 - Preference Center	2017
1040	2018	S/156200/CP/ENTD132	MFM Mobius Replacement-IT Only	1070	13091929	ENTD132-MFM Mobius Replacement-IT	2018
1041	2018	S/156200/CP/ENTDMSIBR	Service Suite Oracle Database Upgrade	1070	13093384	ENTDMSIBR-Service Suite Oracle Database	2018
1042	2018	S/156200/CP/ENTDMSIBR	Service Suite Oracle Database Upgrade	1070	13093384	ENTDMSIBR-Service Suite Oracle Database	2018
1043	2018	S/156200/CP/HED189	iTrack Phase 3	1070	13092243	HED189-2017 iTrack SAP Integration Phase	2018
1044	2018	S/156200/CP/HED191	Safety Data Collection, Intg & Structures	1070	13093810	HED191-Safety Data Collection, Intg & St	2018
1045	2018	S/156200/CP/HED194	Rosharon Service Center	1070	83312692	HOC New Service Center Cap Elec 2017	2018
1046	2018	S/156200/CP/HEDAMS-DCE	DCE Upgrade	1070	13093563	HEDAMS-DCE - DCE Upgrades	2018
1047	2018	S/156200/CP/SAPBM-SSPI	PI Upgrade	1070	13093363	SAPBM-SSPI - PI Upgrade	2018

Note: Some of the affiliate costs listed above are associated with projects that were funded by the AMS surcharge

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Line No.	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount	FERC to Houston Electric	Receiving Cost Object	Receiving Cost Object Description	Placed in Service
1	2011	11033881	Legal to CEHE Damaged Barge - Def Description of services/costs Provide legal and administrative support for claim related to ship channel transmission tower damage.	Legal	0002	CNP Service Company, LLC	1,477,449.90	1070	56230261	P786 Rebuild Xing Twr (Preconstruction)	2013
2	2013	11035167	Legal to Brazos Valley Connection - CAP Description of services/costs Prepare certificate of convenience and necessity and other ERCOT, PUC, and required regulatory filing to support the Brazos Valley Connection project.	Legal	0002	CNP Service Company, LLC	4,445,457.36	1070	66450038	P872 Preconstruction Order	2018
3	2015	11037380	Legal to Brazos Valley Land/ROW - CAP Description of services/costs Provide legal support for land and right of way acquisition and other project oversight, construction, environmental, and legal issues related to the Brazos Valley Connection project.	Legal	0002	CNP Service Company, LLC	1,991,281.24	1070	75639180	P872-Brazos Valley Land/ROW	2018
4	2016	S/156200/CP/ENTB001	Business Resilience Readiness Description of services/costs Dual data center acqisitions (primarily hardware/building related) for capacity, growth and expansion of the Second Data Center (AOC)	Technology Operations	0002	CNP Service Company, LLC	1,456,146.75	1070	13091924	ENTB001-Dual Data Center Environment	2018
5	2016	S/156200/CP/ENTB005	Oracle Fusion - Capital Description of services/costs Oracle Fusion software license acquisition (Fusion licenses, product upgrades, server refresh)	Technology Operations	0002	CNP Service Company, LLC	2,278,550.02	1070	13091909	ENTB005 - Oracle Fusion	2018
6	2015	S/156200/CP/ENTB005	Oracle Fusion - Capital Description of services/costs Oracle Enterprise License Agreement (ELA) software licenses	Technology Operations	0002	CNP Service Company, LLC	968,477.03	1070	13090592	HED072-IOSS (AMS)	2016
7	2018	S/156200/CP/ENTB005-SW	Oracle License Description of services/costs Oracle License fees	Technology Operations	0002	CNP Service Company, LLC	1,712,622.45	1070	13094544	ENTB005-SW - Oracle License	2018
8	2016	S/156200/CP/ENTB009	Fusion 11.7 Upgrade Description of services/costs Fusion 11.7 Upgrade, configuration and installation	Technology Operations	0002	CNP Service Company, LLC	555,544.99	1070	13092562	ENTB009 - Fusion 11.7 Upgrade	2018
9	2013	S/156200/CP/ENTD041	CVP/VOIP/CHaRT - IT Description of services/costs Technology Replacement for Customer Service Call Centers; Voice Over IP Implementation; Unified Communications	Technology Operations	0002	CNP Service Company, LLC	3,058,395.69	1070	64413342	UCC-VoIP Implementation	2015

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10	2010	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade Description of services/costs: Ventyx software upgrade: Enterprise Mobile Data upgrade for Gas and Electric companies of CNP	Technology Operations	0002	CNP Service Company, LLC	1,003,322.76	1070	13073881	2011 CenterPoint Electric IT Projects	2013
11	2012	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade Description of services/costs: Ventyx software upgrade: Enterprise Mobile Data upgrade for Gas and Electric companies of CNP	Technology Operations	0002	CNP Service Company, LLC	2,097,625.71	1070	13077632	2012 CenterPoint Electric IT Projects	2014
12	2015	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade Description of services/costs: Ventyx software upgrade: Enterprise Mobile Data upgrade for Gas and Electric companies of CNP	Technology Operations	0002	CNP Service Company, LLC	1,085,012.42	1070	13090640	ENTD044-Mobile Data Ventyx R9 Upgrade	2017
13	2013	S/156200/CP/ENTD044	Mobile Data Ventyx R9 Upgrade Description of services/costs: Ventyx software upgrade: Enterprise Mobile Data upgrade for Gas and Electric companies of CNP	Technology Operations	0002	CNP Service Company, LLC	2,279,839.25	1070	66925623	Mobile Data Ventyx R9 Upgrade	2014
14	2013	S/156200/CP/ENTD058	CVP/CRM Description of services/costs: Implementation of SAP Customer Visions Program (CVP)/Customer Relationship Management (CRM) to create a single view of the customer and create operational efficiencies.	Technology Operations	0002	CNP Service Company, LLC	6,885,572.53	1070	64412996	CRM Project	2014
15	2012	S/156200/CP/ENTD062	Customer Vision (CRM) - Infrastructure Description of services/costs: Acquire Infrastructure hardware (Power 7 system and storage) to support Customer Relationship Management (CRM) project initiative	Technology Operations	0002	CNP Service Company, LLC	922,781.66	1070	13077632	2012 CenterPoint Electric IT Projects	2014
16	2012	S/156200/CP/ENTD063	Customer Vision (CRM) - Blueprinting Description of services/costs: Implementation of SAP Customer Visions Program (CVP)/Customer Relationship Management (CRM) to create a single view of the customer and create operational efficiencies.	Technology Operations	0002	CNP Service Company, LLC	966,979.62	1070	13077632	2012 CenterPoint Electric IT Projects	2014
17	2013	S/156200/CP/ENTD086	Corporate Website Rebuild Description of services/costs: Replatform corporate website, mobile enable corporate sites and enhance customer experience for power alert notifications and online customer self service as well as electric customer registration	Technology Operations	0002	CNP Service Company, LLC	6,263,578.88	1070	65926831	Corporate Website Rebuild	2014
18	2015	S/156200/CP/ENTD114	Fixed Asset Description of services/costs: Complete the implementation tasks for the Fixed Asset Retirement Obligation (ARO) and Asset Life Cycle Management (ALC) capabilities	Technology Operations	0002	CNP Service Company, LLC	504,352.02	1070	13091182	ALA-ARO Fixed Asset Enhancement	2015

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19	2015	S/156200/CP/ENTD116	Preference Center Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	2,694,407.63	1070	13090943	ENTD116-Preference Center	2017
			The Preference Center is the key component that links together the functionality of all the CVP customer enabling applications driving efficiencies. The Preference Center is the hub that drives proactive communication, allowing for automation to phone, text and email messages about planned or unplanned events.								
20	2017	S/156200/CP/ENTD132	MFM Mobius Replacement Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	796,809.79	1070	13091929	ENTD132-MFM Mobius Replacement	2018
			Replatform of the Mobius application as part of the Mainframe Migration (MFM) decommissioning								
21	2013	S/156200/CP/FIND017-ALA	SAP Fixed Assets Fresh Start - ALA Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	787,179.82	1070	13086286	ALA-ARO Fixed Asset Enhancement	2013
			Complete the implementation tasks for the Fixed Asset Retirement Obligation (ARO) and Asset Life Cycle Management (ALC) capabilities								
22	2010	S/156200/HEBM001	EAI License Conversion Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	700,000.00	1070	13069482	2010 CenterPoint Electric IT Projects	2014
			Enterprise Application Integration (EAI) licence conversion								
23	2010	S/156200/HEBM002	TXSet 4.0 - General Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	931,746.85	1070	13073881	2011 CenterPoint Electric IT Projects	2013
			Texas Standard Electronic Transaction (TXSet); SAP changes to Market Track								
24	2012	S/156200/HEBM002	TXSet 4.0 - General Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	963,021.61	1070	13077632	2012 CenterPoint Electric IT Projects	2014
			Texas Standard Electronic Transaction (TXSet); SAP changes to Market Track								
25	2010	S/156200/HEBM004	AMS Business Resilience Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	5,622,571.47	1070	49809830	IOSS	2010
			Purchase and install necessary infrastructure equipment, telecommunications equipment, software, and contracts so that Advance Metering System (AMS) applications and data can be "mirrored" to a remote disaster recovery site (SunGard in Philadelphia).								
26	2012	S/156200/HEBM005	Outage Enablement (AMS) - IT Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	1,459,693.22	1070	62173228	Outage Enablement	2015
			Outage Enablement for Advanced Metering System (AMS)								
27	2013	S/156200/HEBM006	AOC Phase I Description of services/costs	Technology Operations	0002	CNP Service Company, LLC	2,857,875.54	1070	13084001	AOC Phase I (IT)	2014
			The Addicks Operation Center (AOC) for Transmission Control Backup requires IT infrastructure in order to communicate internally to CNP Corporate and externally to ERCOT & PUC. Without this infrastructure the Transmission Control Backup Center would be unable to fulfill the regulatory requirement of being active 2 hours after the loss of EC/DC location.								

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28	2015	S/156200/HEBM008	AMS Analytics-Real Time Management	Technology Operations	0002	CNP Service Company, LLC	2,108,620.50	1070	13090587	HEBM008-Analytics-Real Time Mgmt	2016
		Description of services/costs	Create new dashboards and data analytics surrounding information contained in the Operational Data Warehouse and the SAP Business Warehouse. Modifications to enhance data value to support review of new Key Performance Indicators (KPIs).								
29	2015	S/156200/HEBM009	AMS Analytics-Operations	Technology Operations	0002	CNP Service Company, LLC	1,894,100.78	1070	13090588	HEBM009-Analytics-Operatopms	2016
		Description of services/costs	Activities to become forward compatible with the new ADMS, Planned Upgrade of the MDM and eMA environments, Flex Sync and dashboards for metering and the DCE								
30	2016	S/156200/HEBM011-S	CIS/BES/TMH Mandated Changes	Technology Operations	0002	CNP Service Company, LLC	975,620.21	1070	13091508	HEBM011-S-CIS/BES/TMH Mandated Changes	2018
		Description of services/costs	Regulatory required changes tied to market support.								
31	2016	S/156200/HEBM013	HANA-C&I Reg BM	Technology Operations	0002	CNP Service Company, LLC	614,845.92	1070	13091932	HEBM013-HANA-C&I Reg BM	2017
		Description of services/costs	Software configuration to meet requirements due to Advanced Distribution Management System (ADMS) and Service Suite								
32	2016	S/156200/HEBM014	HANA-Netezza Migration	Technology Operations	0002	CNP Service Company, LLC	4,120,065.95	1070	13091940	HEBM014-HANA Netezza Migration	2017
		Description of services/costs	Netezza software Migration								
33	2017	S/156200/HEBM015RMT	TRM-Retail Market Trans Act 2017	Technology Operations	0002	CNP Service Company, LLC	528,158.53	1070	13093564	HEBM015RMT-TRM-Retail Market Trans Act	2018
		Description of services/costs	System configuration/modifications for Retail Market Trans Act 2017								
34	2016	S/156200/HED002	iTrack - SAP Integration	Technology Operations	0002	CNP Service Company, LLC	543,476.39	1070	13091908	HED002-iTrack	2017
		Description of services/costs	Integration between iTrack and SAP								
35	2010	S/156200/HED011-S	BM-CIS/BES/TMH Mandated Changes	Technology Operations	0002	CNP Service Company, LLC	1,505,201.98	1070	13069482	2010 CenterPoint Electric IT Projects	2014
		Description of services/costs	Regulatory required changes tied to market support for Customer Information System (CIS)/Billing Expert System (BES)/Transaction								
36	2010	S/156200/HED011-S	BM-CIS/BES/TMH Mandated Changes	Technology Operations	0002	CNP Service Company, LLC	983,112.06	1070	13073881	2011 CenterPoint Electric IT Projects	2013
		Description of services/costs	Regulatory required changes tied to market support for Customer Information System (CIS)/Billing Expert System (BES)/Transaction								
37	2012	S/156200/HED011-S	BM-CIS/BES/TMH Mandated Changes	Technology Operations	0002	CNP Service Company, LLC	776,687.60	1070	13077632	2012 CenterPoint Electric IT Projects	2014
		Description of services/costs	Regulatory required changes tied to market support for Customer Information System (CIS)/Billing Expert System (BES)/Transaction								

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SPONSOR: M. TOWNSEND

1	2	3	4	5	6	7	8	9	10	11	
Line No	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount	FERC to Houston Electric	Receiving Cost Object	Receiving Cost Object Description	Placed in Service
38	2013	S/156200/HED011-S	BM-CIS/BES/TMH Mandated Changes	Technology Operations	0002	CNP Service Company, LLC	4,211,466.03	1070	64412999	Reg required major projects-EMO	2015
Description of services/costs Regulatory required changes tied to market support for Customer Information System (CIS)/Billing Expert System (BES)/Transaction											
39	2015	S/156200/HED011-S	BM-CIS/BES/TMH Mandated Changes	Technology Operations	0002	CNP Service Company, LLC	1,950,444.61	1070	13090589	HED011-S-BM-CIS/BES/TMH Mandated Changes	2016
Description of services/costs Regulatory required changes tied to market support for Customer Information System (CIS)/Billing Expert System (BES)/Transaction											
40	2010	S/156200/HED072	IOSS(AMS)	Technology Operations	0002	CNP Service Company, LLC	8,573,211.05	1070	49809830	IOSS	2014
Description of services/costs Information Technology (IT) security and hardware requirements to support the Advance Metering System (AMS) program											
41	2014	S/156200/HED072	IOSS(AMS)	Technology Operations	0002	CNP Service Company, LLC	2,369,809.42	1070	68707540	IOSS	2014
Description of services/costs Information Technology (IT) security and hardware requirements to support the Advance Metering System (AMS) program											
42	2010	S/156200/HED073	SD SOA (AMS)	Technology Operations	0002	CNP Service Company, LLC	628,814.61	1070	49809831	SD SOA	2010
Description of services/costs Service Oriented Architecture (SOA) design and development to support Advance Metering System (AMS) program											
43	2015	S/156200/HED074	SD EAI (AMS)	Technology Operations	0002	CNP Service Company, LLC	1,128,479.20	1070	13090594	HED074-SD EAI (AMS)	2017
Description of services/costs Enterprise Application Integration (EAI) development to support Advanced Metering System (AMS) program											
44	2010	S/156200/HED074	SD EAI (AMS)	Technology Operations	0002	CNP Service Company, LLC	5,159,609.38	1070	49809832	SD EAI	2010
Description of services/costs Enterprise Application Integration (EAI) development to support Advanced Metering System (AMS) program											
45	2014	S/156200/HED074	SD EAI (AMS)	Technology Operations	0002	CNP Service Company, LLC	1,167,498.86	1070	68707548	SD EAI	2015
Description of services/costs Enterprise Application Integration (EAI) development to support Advanced Metering System (AMS) program											
46	2010	S/156200/HED075	SD CIS (AMS)	Technology Operations	0002	CNP Service Company, LLC	1,134,735.55	1070	49809833	SD CIS	2010
Description of services/costs Customer Information System (CIS) development to support AMS program											
47	2010	S/156200/HED078	AMS Analytics	Technology Operations	0002	CNP Service Company, LLC	4,095,018.96	1070	49809836	AMS Operations-Tivoli Services	2010
Description of services/costs Advanced Metering System Implementation											
48	2014	S/156200/HED078	AMS Analytics	Technology Operations	0002	CNP Service Company, LLC	1,355,099.30	1070	68707824	AMS Operations-Tivoli Services	2015
Description of services/costs The eMeter Analytics System is intended to be fed real time with all meter data. Current version is 7.2 and will be upgraded to 7.5											
49	2010	S/156200/HED079	AMS Operations - NOC	Technology Operations	0002	CNP Service Company, LLC	1,035,848.82	1070	49809837	AMS Operations - NOC	2010
Description of services/costs Purchase of Unix equipment for the Network Operations Center (NOC)											

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SPONSOR: M. TOWNSEND**

1	2	3	4	5	6	7	8	9	10	11	
Line No.	Year	Cost Object	Cost Object Description	Functional Area	Company Code (sender)	Company Name (sender)	Amount	FERC to Houston Electric	Receiving Cost Object	Receiving Cost Object Description	Placed in Service
50	2010	S/156200/HED080	Smart Meter TX Portal & Rep (AMS)	Technology Operations	0002	CNP Service Company, LLC	794,485.16	1070	49809838	ERCOT 15 Minute Settlement	2010
Description of services/costs Development of Smart Meter TX Portal for AMS											
51	2013	S/156200/HED084	BES/SWIS/SLAMS to SAP - IT	Technology Operations	0002	CNP Service Company, LLC	14,659,988.11	1070	64412995	BES Conversion to IEE SAP CQS Billing	2015
Description of services/costs Billing Expert System (BES) Upgrade to current Oracle Lodestar release											
52	2015	S/156200/HED084	BES/SWIS/SLAMS to SAP - IT	Technology Operations	0002	CNP Service Company, LLC	1,059,549.43	1070	13090596	HED084-BES/SWIS/SLAMS to SAP-IT	2016
Description of services/costs Billing Expert System (BES) migration to SAP											
53	2010	S/156200/HED090	BM-CEHE EAI Technology Change-IT	Technology Operations	0002	CNP Service Company, LLC	1,341,539.24	1070	13073881	2011 CenterPoint Electric IT Projects	2013
Description of services/costs Technical upgrade of transaction management platform- Enterprise Application Integration (EAI)											
54	2012	S/156200/HED090	BM-CEHE EAI Technology Change-IT	Technology Operations	0002	CNP Service Company, LLC	2,514,603.70	1070	13077632	2012 CenterPoint Electric IT Projects	2014
Description of services/costs Technical upgrade of transaction management platform - migrate to Oracle Fusion Middleware											
55	2010	S/156200/HED090	BM-CEHE EAI Technology Change-IT	Technology Operations	0002	CNP Service Company, LLC	5,228,410.35	1070	49809832	SD EAI	2010
Description of services/costs Technical upgrade of transaction management platform- Enterprise Application Integration (EAI)											
56	2013	S/156200/HED090	BM-CEHE EAI Technology Change-IT	Technology Operations	0002	CNP Service Company, LLC	1,923,588.01	1070	66925621	BM-CEHE EAI Technology Change	2015
Description of services/costs Technical upgrade of transaction management platform- Enterprise Application Integration (EAI)											
57	2011	S/156200/HED104	Security - Intelligent Grid (IG)	Technology Operations	0002	CNP Service Company, LLC	3,253,071.52	1070	54201829	ADMS FULL DEPLOYMENT - IG	2016
Description of services/costs Security work to support Intelligent Grid (IG) initiatives, as well as meet Department of Energy (DOE) grant requirements											
58	2011	S/156200/HED105	SDD - Intelligent Grid (IG)	Technology Operations	0002	CNP Service Company, LLC	1,120,214.57	1070	54201829	ADMS FULL DEPLOYMENT - IG	2016
Description of services/costs Development of the Intelligent Grid (IG)											
59	2011	S/156200/HED106	AMS - TxSet 4.0	Technology Operations	0002	CNP Service Company, LLC	597,184.51	1070	56841689	TxSet 4.0	2012
Description of services/costs Advance Meter System development; TxSet 4.0											
60	2012	S/156200/HED125	ADMS (AMS)	Technology Operations	0002	CNP Service Company, LLC	8,408,584.69	1070	61824546	CAT3 Sys Devel & Implement	2016
Description of services/costs Implementation of the Advanced Distribution Management System (ADMS) project with regards to gaps between ADMS and OAS functionality											

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SPONSOR: M. TOWNSEND**

Line No	1 Year	2 Cost Object	3 Cost Object Description	4 Functional Area	5 Company Code (sender)	6 Company Name (sender)	7 Amount	8 FERC to Houston Electric	9 Receiving Cost Object	10 Receiving Cost Object Description	11 Placed in Service
61	2015	S/156200/HED125	ADMS (AMS)	Technology Operations	0002	CNP Service Company, LLC	1,451,143.49	1070	13090601	HED125-ADMS Gap Resolution	2016
		Description of services/costs Implementation of the ADMS project with regards to gaps between ADMS and Outage Analysis System (OAS) functionality									
62	2013	S/156200/HED136	Critical Integration Management Office	Technology Operations	0002	CNP Service Company, LLC	1,638,807.31	1070	65498585	Critical Integration Management Office	2015
		Description of services/costs Critical integration and development for electric software applications; Technical integration and design for system implementation as well as									
63	2013	S/156200/HED161	Fleet Management - IT	Technology Operations	0002	CNP Service Company, LLC	1,019,589.48	1070	67021283	Fleet Management System	2015
		Description of services/costs System configuration to provide fleet with the ability to schedule maintenance									
64	2016	S/156200/HED186	Asset Health URD	Technology Operations	0002	CNP Service Company, LLC	548,693.77	1070	13092487	HED186 - Asset Health URD	2018
		Description of services/costs ITrack software implementation/enhancement									
65	2017	S/156200/HED189	ITrack Phase 3	Technology Operations	0002	CNP Service Company, LLC	557,424.92	1070	13092243	HED189-2017 ITrack SAP Integration Phase	2018
		Description of services/costs Integrate ITrack with SAP, the Joint Trench website, and the Customer Preference Center as well as deploy an analytics dashboard to report on									
66	2016	S/156200/ITD089	AOC Phase II (IT Backup Data Center)	Technology Operations	0002	CNP Service Company, LLC	4,823,031.38	1070	13091922	ITD089-AOCPhaseII-IT Backup Data Ctr2016	2017
		Description of services/costs Information Technology (IT) Backup Data Center to replace SunGard									
67	2015	S/156200/ITD089	AOC Phase II (IT Backup Data Center)	Technology Operations	0002	CNP Service Company, LLC	47,184,538.16	1070	13090638	ITD089-AOC Phase II-IT Backup Data Ctr	2015
		Description of services/costs Information Technology (IT) Backup Data Center to replace SunGard									
68	2014	S/156200/ITD089	AOC Phase II (IT Backup Data Center)	Technology Operations	0002	CNP Service Company, LLC	37,941,128.29	1070	68202678	AOC Phase II (IT Backup Data Center)	2016
		Description of services/costs Information Technology (IT) Backup Data Center to replace SunGard									
69	2014	S/156200/ITD106	Enterprise Portfolio Mgmt - IT	Technology Operations	0002	CNP Service Company, LLC	508,698.93	1070	68202687	Enterprise Portfolio Mgmt - Electric	2017
		Description of services/costs Portfolio Management issues resolution; technical design and/or architecture design work for capital projects									
70	2015	S/156200/SAPBM-BW	SAP BM Capital Business Warehouse	Technology Operations	0002	CNP Service Company, LLC	520,521.21	1070	13090630	SAPBM-Capital	2018
		Description of services/costs Changes to Business Intelligence (BI) platform including Business Warehouse and Business Objects									

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V-K-6 ADJUSTMENTS TO TEST YEAR EXPENSES
TEST YEAR ENDED 12/31/2018
DOCKET NUMBER PENDING ASSIGNMENT
SPONSOR: M. TOWNSEND
(THOUSANDS OF DOLLARS)**

Line No	1 Affiliate	2 Description	3 Purpose	4 Amount
1	0002 - CNP Service Company, LLC	Labor Only - Competitive Pay Adjustment Non Union	Normalized Salaries at Test Year End with 3% CPA	3,842
2	0002 - CNP Service Company, LLC	Labor Only - Competitive Pay Adjustment Union	Normalized Salaries at Test Year End with 3% CPA	508
3	0002 - CNP Service Company, LLC	Normalize Integration Planning Billings	Normalized Salaries at Test Year End with 3% CPA	1,573
4	0002 - CNP Service Company, LLC	STI - Total Increase to Test Year - Non Union	Normalized Salaries at Test Year End with 3% CPA	260
5	0002 - CNP Service Company, LLC	STI - Total Increase to Test Year - Union	Normalized Salaries at Test Year End with 3% CPA	2
6	0002 - CNP Service Company, LLC	Remove Service Co Storm Related Expenses from Test Year	Remove Storm Expense to CEHE	(167)
7	0062 - CenterPoint Energy Arkla	Labor and Transportation Billings	Remove Erroneous Affiliate Billings to CEHE	(1)
8	0072 - CNP Minnesota Gas	Labor Billings	Remove Erroneous Affiliate Billings to CEHE	(2)
9	0077 - CNP Services, Inc.	Labor Billings	Remove Erroneous Affiliate Billings to CEHE	(1)
10	0082 - CenterPoint Energy Entex	Labor, Transportation, and Professional Services Billings	Remove Erroneous Affiliate Billings to CEHE	19
11	0299 - CenterPoint Energy, Inc.	Administrative Billings	Remove Erroneous CEHE Billings to Affiliates	(33)
12	0413 - CNP Electric Services, LLC	Labor Billings	Remove Erroneous CEHE Billings to Affiliates	5
13	0002 - CNP Service Company, LLC	Employee Expense - Affiliates Allocated to CEHE	Adjust Billing	(853)
14				
15				
16	Total Adjustments to Affiliate Expenses			5,152

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 V-K-7 STATUTORY REQUIREMENTS
 TEST YEAR ENDED 12/31/2018
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 SPONSOR: M. TOWNSEND
 (THOUSANDS OF DOLLARS)

1	2	3	4	5	6	7
Line	Class / Functional Area	Service Category	Amount	Necessity and Reasonableness of Service/Cost		No Higher Than Standard
1	Business & Operations Support	Facilities Management	123	Business & Operations Support provides a variety of services, including (1) Facilities Management provides services related to routine building and facility operations as well as project management services for building design modifications and construction management; (2) Office Support Services provides services necessary to support daily office operations which include mail services, copy center services, and forms design and management; (3) Corporate Travel provides travel-related and offsite-meeting services necessary to support ongoing company operations; (4) Purchasing & Logistics provides purchasing, material logistics, and investment recovery services as well as management oversight to support business unit specific purchasing and logistics operations; (5) Corporate Security provides the investigative services, guard services, and electronic security systems necessary to protect CenterPoint Energy personnel and assets; (6) Land and Field Services provides professional surveying, acquisition and maintenance of rights-of-way and respond to land-related inquiries from CenterPoint Houston, its affiliates, outside businesses, governmental agencies, and the public; (7) Fleet, shop services, and radio communications manages the acquisition and disposition of all vehicles, trailers and power operated equipment services support gas and electric utility operations Centralized provision of Business & Operations Support provides economies of scale and eliminates overlap and redundancy.	Total billings from Business & Operations Support to each affiliated company, including the CenterPoint Houston, has been presented on Schedule V-K-12. The information reported on Schedule V-K-12 demonstrates how Business Support Services billings to the CenterPoint Houston are "no higher than" billings to any other affiliate.	
	General Business & Operations Support	7,609				
2	Business & Operations Support Total		7,732			
3	Communications	Communications	1,693	Corporate Communications focuses on both external and internal communications, fulfilling its mission through media relations, video production, town hall meetings, corporate emails, the internet, and other communications. Centralized provision of Corporate Communications is reasonable in that it provides economies of scale and eliminates overlap and redundancy.	Total billings from Corporate Communications to each affiliated company, including the CenterPoint Houston, has been presented on Schedule V-K-12. The information reported on Schedule V-K-12 demonstrates how Communications billings to the CenterPoint Houston are "no higher than" billings to any other affiliate.	
4	Community Relations	Community Relations	6,519	Community Relations is responsible for directing, planning and implementing community outreach and education relations programs, overseeing extensive volunteer initiatives and managing corporate contributions and memberships. The VP of Community Relations along with the community relations staff have areas of responsibility that overlapped the CenterPoint Houston and a gas affiliate. It is reasonable for these services and the related cost to be billed from the CenterPoint Houston to another affiliate.	Total billings from Community Relations to each affiliated company, including the CenterPoint Houston, has been presented on Schedule V-K-12. The information reported on Schedule V-K-12 demonstrates how Community Relations billings to the CenterPoint Houston are "no higher than" billings to any other affiliate.	
5	Customer Operations	Customer Operations	16,989	Customer Operations within Regulated Operations provides an	Total billings from Customer Operations to each affiliated	

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 SPONSOR: M. TOWNSEND
 (THOUSANDS OF DOLLARS)

1	2	3	4	5	6	7
Line	Class / Functional Area	Service Category	Amount	Necessity and Reasonableness of Service/Cost		No Higher Than Standard
				essential interface between CenterPoint Houston, competitive retailers and end-use customers. The services provided by Customer Services help ensure the efficient operation of the retail electric market by providing high levels of customer service, timely and accurate transaction processing, effective communication, and issue resolution. With respect to electric utility service, some of the essential responsibilities of the Call Center function include: (1) responding to customer inquiries regarding connection and disconnection service orders; (2) addressing customer usage disputes; (3) processing orders for meter relocating, electric outages, and downed power lines; and (4) establishing new service locations. Customer Service Representatives are also the first point of contact for reporting system or premise emergencies. Centralized provision of Customer Operations is reasonable in that it provides economies of scale and eliminates overlap and redundancy. See the testimony of Company witness Becky Demarr for more information.		company, including the CenterPoint Houston, has been presented on Schedule V-K-12. The information reported on Schedule V-K-12 demonstrates how Customer Operations billings to the CenterPoint Houston are "no higher than" billings to any other affiliate. Customer Operations costs are allocated based on the total call minutes handled by the call center. Each affiliate gets allocated costs monthly based on their proportionate share of the total monthly call minutes handled by the call center.
6	Data Circuit Management	Data Circuit Management	(551)	Data Circuit Management services are provided to affiliates. These services are necessary for management of data communications circuits and applies to permanent, always-on (non-dial) circuits. Data circuits are specialized communication lines that provide a path for data or voice to move from one fixed location to another fixed location. Such circuits can be very short (to another building or floor within the same complex) or very long (across the city or state to state). Data Circuit Management includes the following: daily production, service management, releases/upgrades (as necessary to maintain vendor support), problem resolution (24x7 response for Severity 1 problems), technical research, access to private communications network, preventive maintenance, vendor management, circuit interconnection to internal distribution, performance tuning.		Billings for Data Circuit Management services are based on the actual number of circuits, which is an appropriate cost driver for the various services. CenterPoint Houston is billing its affiliates for a proportionate share of the cost of Data Circuit Management services it provides to those affiliates. These billings are no higher than billings to any other affiliate or division.
7	Distribution Support-GIS	GIS Business Solutions GIS Data Management GIS Land Base Data Management GIS Programming GIS System Administration	(424) (5,129) (240) (780) (2,081)	GIS maintains a computer-based system of databases used to store spatial and non-spatial data about installed gas facilities which are necessary for the safe and reliable operation and maintenance of installed gas facilities. It is reasonable for the cost of these services to be billed to CenterPoint Energy gas operations.		CenterPoint Houston is billing its affiliates for a proportionate share of the cost of GIS services it provides to those affiliates. As a result, CenterPoint Houston's net costs for GIS services correlates to the service performed for the CenterPoint Houston alone. These billings are no higher than billings to any other affiliate or division.
8	Distribution Support-GIS Total		(8,634)			