



Control Number: 50714



Item Number: 22

Addendum StartPage: 0

ENTERGY TEXAS, INC.
SUMMARY OF DCRF RIDER DETERMINANTS FOR GROWTH
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019



	KWH/KW and Adjustments			
	Unadjusted	Weather	Year-End	Adjusted
Residential Service (1)	6,015,971,034	(43,271,537)	36,395,084	6,009,094,581
Small General Service (1)	414,579,308	(2,801,402)	(1,482,901)	410,295,005
General Service (2)	11,790,862	-	(128,466)	11,662,396
Large General Service (2)	3,263,305	-	49,887	3,313,192
Large Industrial Power Service (2)	14,862,855	-	131,135	14,993,990
Lighting (1)	94,129,125	-	-	94,129,125

(1) In kWh

(2) In kW

Note: 10 year model for weather adjustments

**SOAH DOCKET NO. 473-20-3301
DOCKET NO. 50714**

APPLICATION OF ENTERGY TEXAS, INC. TO AMEND ITS DISTRIBUTION COST RECOVERY FACTOR	§ § § §	BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS
--	----------------------------	---

**RESPONSE OF ENTERGY TEXAS, INC.
TO STAFF FIRST REQUEST FOR INFORMATION:
STAFF 1: RFA-1, 1, 2, 3, 4, 5, 6, 7, 8**

Entergy Texas, Inc. ("Entergy Texas" or "the Company") files its Response to Staff First Request for Information. The response to such request is attached and is numbered as in the request. An additional copy is available for inspection at the Company's office in Austin, Texas.

Entergy Texas believes the foregoing response is correct and complete as of the time of the response, but the Company will supplement, correct or complete the response if it becomes aware that the response is no longer true and complete, and the circumstance is such that failure to amend the answer is in substance misleading. The parties may treat this response as if it were filed under oath.

Respectfully submitted,

Wajiha Rizvi
Wajiha Rizvi
Entergy Services, LLC
919 Congress Avenue, Suite 701
Austin, Texas 78701
(512) 487-3962 telephone
(512) 487-3958 facsimile

Attachments: STAFF 1: RFA-1, 1, 2, 3, 4, 5, 6, 7, 8

CERTIFICATE OF SERVICE

I certify that a copy of the foregoing Response of Entergy Texas, Inc. to Staff First Request for Information has been sent by either hand delivery, email, facsimile, overnight delivery, or U.S. Mail to the party that initiated this request in this docket on this the 19th day of May 2020.

Wajiha Rizvi
Wajiha Rizvi

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Admission Requests
of Requesting Party: Commission Staff

Prepared By: Counsel
Sponsoring Witness: N/A
Beginning Sequence No. WG5
Ending Sequence No. WG5

Question No.: STAFF 1-1

Part No.:

Addendum:

Question:

Confirm or deny that the Commission order approving the unopposed stipulation and settlement agreement in Docket No. 48371 includes an ordering paragraph stating “Entry of this Order does not indicate the Commission’s endorsement or approval of any principle or methodology that may underlie the settlement agreement and must not be regarded as precedential as to the appropriateness of any principle or methodology underlying the settlement agreement.”

Response:

Confirm.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Commission Staff

Prepared By: Gareth Hutchinson
Sponsoring Witness: Richard Lain
Beginning Sequence No. WG20
Ending Sequence No. WG20

Question No.: STAFF 1-1

Part No.:

Addendum:

Question:

Regarding the adjustment to class billing determinants to reflect the number of customers for the 12-month period ending December 31, 2019, please provide workpapers with all formulae intact showing the calculation of the proposed adjustments for each class.

Response:

See attached.

ENTERGY TEXAS, INC.
SUMMARY OF DCRF RIDER DETERMINANTS FOR GROWTH
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

	KWH/KW and Adjustments			
	Unadjusted	Weather	Year-End	Adjusted
Residential Service (1)	6,015,971,034	(43,271,537)	36,395,084	6,009,094,581
Small General Service (1)	414,579,308	(2,801,402)	(1,482,901)	410,295,005
General Service (2)	11,790,862	-	(128,466)	11,662,396
Large General Service (2)	3,263,305	-	49,887	3,313,192
Large Industrial Power Service (2)	14,862,855	-	131,135	14,993,990
Lighting (1)	94,129,125	-	-	94,129,125

(1) In kWh

(2) In kW

Note: 10 year model for weather adjustments

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
RESIDENTIAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Residential

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	494,909,034	13.87%	68,643,883	563,552,917	396,790	5,680	1,420	8,065,600
2	Feb-19	454,654,422	5.22%	23,732,961	478,387,383	396,753	5,717	1,206	6,894,702
3	Mar-19	404,901,878	1.69%	6,842,842	411,744,720	398,007	4,463	1,035	4,619,205
4	Apr-19	342,108,454	(1.06%)	(3,626,350)	338,482,104	398,756	3,714	849	3,153,186
5	May-19	389,944,583	(1.13%)	(4,406,374)	385,538,209	398,944	3,526	966	3,406,116
6	Jun-19	571,872,217	(4.56%)	(26,077,373)	545,794,844	399,640	2,830	1,366	3,865,780
7	Jul-19	627,771,173	1.01%	6,340,489	634,111,662	400,905	1,565	1,582	2,475,830
8	Aug-19	667,730,637	(0.14%)	(934,823)	666,795,814	401,110	1,360	1,662	2,260,320
9	Sep-19	695,020,244	(6.09%)	(42,326,733)	652,693,511	401,350	1,120	1,626	1,821,120
10	Oct-19	573,306,408	(8.68%)	(49,762,996)	523,543,412	402,997	(527)	1,299	(684,573)
11	Nov-19	386,302,481	(5.12%)	(19,778,687)	366,523,794	401,888	582	912	530,784
12	Dec-19	<u>406,973,556</u>	<u>(0.47%)</u>	<u>(1,912,776)</u>	<u>405,060,780</u>	<u>402,470</u>	<u>-</u>	<u>1,006</u>	<u>-</u>
13	TOTAL	6,015,495,087		(43,265,937)	5,972,229,150	4,799,610	30,030		36,408,070

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
RESIDENTIAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Residential - TOD

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	32,219	13.87%	4,469	36,688	24	(1)	1,529	(1,529)
2	Feb-19	29,316	5.22%	1,530	30,846	24	(1)	1,285	(1,285)
3	Mar-19	32,735	1.69%	553	33,288	25	(2)	1,332	(2,664)
4	Apr-19	29,507	(1.06%)	(313)	29,194	26	(3)	1,123	(3,369)
5	May-19	29,415	(1.13%)	(332)	29,083	25	(2)	1,163	(2,326)
6	Jun-19	45,581	(4.56%)	(2,078)	43,503	24	(1)	1,813	(1,813)
7	Jul-19	49,166	1.01%	497	49,663	23	-	2,159	-
8	Aug-19	53,196	(0.14%)	(74)	53,122	23	-	2,310	-
9	Sep-19	62,114	(6.09%)	(3,783)	58,331	23	-	2,536	-
10	Oct-19	48,831	(8.68%)	(4,239)	44,592	23	-	1,939	-
11	Nov-19	32,916	(5.12%)	(1,685)	31,231	23	-	1,358	-
12	Dec-19	30,951	(0.47%)	(145)	30,806	23	-	1,339	-
13	TOTAL	475,947		(5,600)	470,347	286	(10)		(12,986)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
TOTAL RESIDENTIAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Residential - Total

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	494,941,253		68,648,352	563,589,605	396,814	5,679		8,064,071

2	Feb-19	454,683,738	23,734,491	478,418,229	396,777	5,716	6,893,417
3	Mar-19	404,934,613	6,843,395	411,778,008	398,032	4,461	4,616,541
4	Apr-19	342,137,961	(3,626,663)	338,511,298	398,782	3,711	3,149,817
5	May-19	389,973,998	(4,406,706)	385,567,292	398,969	3,524	3,403,790
6	Jun-19	571,917,798	(26,079,451)	545,838,347	399,664	2,829	3,863,967
7	Jul-19	627,820,339	6,340,986	634,161,325	400,928	1,565	2,475,830
8	Aug-19	667,783,833	(934,897)	666,848,936	401,133	1,360	2,260,320
9	Sep-19	695,082,358	(42,330,516)	652,751,842	401,373	1,120	1,821,120
10	Oct-19	573,355,239	(49,767,235)	523,588,004	403,020	(527)	(684,573)
11	Nov-19	386,335,397	(19,780,372)	366,555,025	401,911	582	530,784
12	Dec-19	407,004,507	(1,912,921)	405,091,586	402,493	-	-
13	TOTAL	6,015,971,034	(43,271,537)	5,972,699,497	4,799,896	30,020	36,395,084

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
SMALL GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Small General Service - Commercial

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	31,616,771	4.08%	1,289,964	32,906,735	28,708	79	1,146	90,534
2	Feb-19	29,885,646	1.14%	340,696	30,226,342	28,690	97	1,054	102,238
3	Mar-19	28,122,610	0.77%	216,544	28,339,154	28,760	27	985	26,595
4	Apr-19	24,281,113	0.22%	53,418	24,334,531	28,756	31	846	26,226
5	May-19	26,284,695	(0.72%)	(189,250)	26,095,445	28,822	(35)	905	(31,675)
6	Jun-19	33,102,655	(2.95%)	(976,528)	32,126,127	28,832	(45)	1,114	(50,130)
7	Jul-19	35,021,107	0.27%	94,557	35,115,664	28,867	(80)	1,216	(97,280)
8	Aug-19	36,423,998	(0.28%)	(101,987)	36,322,011	28,876	(89)	1,258	(111,962)
9	Sep-19	38,416,830	(3.70%)	(1,421,423)	36,995,407	28,917	(130)	1,279	(166,270)

10	Oct-19	33,655,028	(5.23%)	(1,760,158)	31,894,870	28,933	(146)	1,102	(160,892)
11	Nov-19	25,635,696	(0.20%)	(51,271)	25,584,425	28,846	(59)	887	(52,333)
12	Dec-19	<u>26,216,525</u>	(1.07%)	<u>(280,517)</u>	<u>25,936,008</u>	<u>28,787</u>	<u>-</u>	901	<u>-</u>
13	TOTAL	368,662,674		(2,785,955)	365,876,719	345,794	(350)		(424,949)

Does not include TSS or UMS

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
SMALL GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Small General Service - Governmental

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	658,572	0.29%	1,910	660,482	814	(11)	811	(8,921)
2	Feb-19	523,221	-	-	523,221	814	(11)	643	(7,073)
3	Mar-19	466,719	0.16%	747	467,466	815	(12)	574	(6,888)
4	Apr-19	397,639	0.39%	1,551	399,190	814	(11)	490	(5,390)
5	May-19	472,818	(0.27%)	(1,277)	471,541	816	(13)	578	(7,514)
6	Jun-19	512,635	(1.10%)	(5,639)	506,996	819	(16)	619	(9,904)
7	Jul-19	479,014	0.23%	1,102	480,116	818	(15)	587	(8,805)
8	Aug-19	427,697	(0.03%)	(128)	427,569	818	(15)	523	(7,845)
9	Sep-19	464,144	(1.37%)	(6,359)	457,785	818	(15)	560	(8,400)
10	Oct-19	524,703	(1.90%)	(9,969)	514,734	814	(11)	632	(6,952)
11	Nov-19	534,986	0.71%	3,798	538,784	815	(12)	661	(7,932)
12	Dec-19	<u>473,291</u>	(0.25%)	<u>(1,183)</u>	<u>472,108</u>	<u>803</u>	<u>-</u>	588	<u>-</u>
13	TOTAL	5,935,439		(15,447)	5,919,992	9,778	(142)		(85,624)

Does not included TSS or UMS

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
SMALL GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Small General Service - Industrial

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	2,602,710	-	-	2,602,710	4,333	(177)	601	(106,377)
2	Feb-19	2,378,798	-	-	2,378,798	4,284	(128)	555	(71,040)
3	Mar-19	2,169,863	-	-	2,169,863	4,290	(134)	506	(67,804)
4	Apr-19	1,807,191	-	-	1,807,191	4,294	(138)	421	(58,098)
5	May-19	1,985,065	-	-	1,985,065	4,278	(122)	464	(56,608)
6	Jun-19	2,542,264	-	-	2,542,264	4,326	(170)	588	(99,960)
7	Jul-19	2,699,370	-	-	2,699,370	4,359	(203)	619	(125,657)
8	Aug-19	2,924,525	-	-	2,924,525	4,343	(187)	673	(125,851)
9	Sep-19	2,932,271	-	-	2,932,271	4,357	(201)	673	(135,273)
10	Oct-19	2,566,332	-	-	2,566,332	4,291	(135)	598	(80,730)
11	Nov-19	2,127,233	-	-	2,127,233	4,248	(92)	501	(46,092)
12	Dec-19	2,274,363	-	-	2,274,363	4,156	-	547	-
13	TOTAL	29,009,985		-	29,009,985	51,559	(1,687)		(973,490)

Does not included TSS or UMS

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
SMALL GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Small General Service - Lighting

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	237,243	-	-	237,243	383	25	619	15,475
2	Feb-19	210,826	-	-	210,826	382	26	552	14,352
3	Mar-19	206,210	-	-	206,210	383	25	538	13,450
4	Apr-19	198,340	-	-	198,340	385	23	515	11,845
5	May-19	184,558	-	-	184,558	391	17	472	8,024
6	Jun-19	184,961	-	-	184,961	396	12	467	5,604
7	Jul-19	182,243	-	-	182,243	395	13	461	5,993
8	Aug-19	183,586	-	-	183,586	398	10	461	4,610
9	Sep-19	203,386	-	-	203,386	400	8	508	4,064
10	Oct-19	210,885	-	-	210,885	403	5	523	2,615
11	Nov-19	208,210	-	-	208,210	405	3	514	1,542
12	Dec-19	231,623	-	-	231,623	408	-	568	-
13	TOTAL	2,442,071		-	2,442,071	4,729	167		87,574

Does not include TSS or UMS

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
SMALL GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Small General Service - TOTAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	35,115,296		1,291,874	36,407,170	34,238	(84)		(9,289)
2	Feb-19	32,998,491		340,696	33,339,187	34,170	(16)		38,477
3	Mar-19	30,965,402		217,291	31,182,693	34,248	(94)		(34,647)
4	Apr-19	26,684,283		54,969	26,739,252	34,249	(95)		(25,417)
5	May-19	28,927,136		(190,527)	28,736,609	34,307	(153)		(87,773)
6	Jun-19	36,342,515		(982,167)	35,360,348	34,373	(219)		(154,390)
7	Jul-19	38,381,734		95,659	38,477,393	34,439	(285)		(225,749)
8	Aug-19	39,959,806		(102,115)	39,857,691	34,435	(281)		(241,048)
9	Sep-19	42,016,631		(1,427,782)	40,588,849	34,492	(338)		(305,879)
10	Oct-19	36,956,948		(1,770,127)	35,186,821	34,441	(287)		(245,959)
11	Nov-19	28,506,125		(47,473)	28,458,652	34,314	(160)		(104,815)
12	Dec-19	29,195,802		(281,700)	28,914,102	34,154	-		-
13	TOTAL	406,050,169		(2,801,402)	403,248,767	411,860	(2,012)		(1,396,489)

Does not included TSS or UMS

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
TRAFFIC SIGNALS
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

COMMERCIAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)

1	Jan-19	39,855	-	-	39,855	126	(5)	316	(1,580)
2	Feb-19	39,839	-	-	39,839	123	(2)	324	(648)
3	Mar-19	39,841	-	-	39,841	124	(3)	321	(963)
4	Apr-19	39,841	-	-	39,841	124	(3)	321	(963)
5	May-19	39,841	-	-	39,841	124	(3)	321	(963)
6	Jun-19	39,841	-	-	39,841	124	(3)	321	(963)
7	Jul-19	39,539	-	-	39,539	123	(2)	321	(642)
8	Aug-19	39,539	-	-	39,539	123	(2)	321	(642)
9	Sep-19	39,539	-	-	39,539	123	(2)	321	(642)
10	Oct-19	39,539	-	-	39,539	123	(2)	321	(642)
11	Nov-19	39,538	-	-	39,538	122	(1)	324	(324)
12	Dec-19	<u>39,533</u>	-	<u>-</u>	<u>39,533</u>	<u>121</u>	<u>-</u>	<u>327</u>	<u>-</u>
13	TOTAL	476,285		-	476,285	1,480	(28)		(8,972)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
TRAFFIC SIGNALS
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

LIGHTING

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	175,239	-	-	175,239	118	(3)	1,485	(4,455)
2	Feb-19	175,239	-	-	175,239	118	(3)	1,485	(4,455)
3	Mar-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
4	Apr-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
5	May-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
6	Jun-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
7	Jul-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
8	Aug-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)

9	Sep-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
10	Oct-19	175,095	-	-	175,095	117	(2)	1,497	(2,994)
11	Nov-19	175,075	-	-	175,075	116	(1)	1,509	(1,509)
12	Dec-19	<u>175,074</u>	-	<u>-</u>	<u>175,074</u>	<u>115</u>	<u>-</u>	<u>1,522</u>	<u>-</u>
13	TOTAL	2,101,387		-	2,101,387	1,403	(23)		(34,371)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
TRAFFIC SIGNALS
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

GOVERNMENTAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	51	-	-	51	3	-	17	-
2	Feb-19	51	-	-	51	3	-	17	-
3	Mar-19	51	-	-	51	3	-	17	-
4	Apr-19	51	-	-	51	3	-	17	-
5	May-19	51	-	-	51	3	-	17	-
6	Jun-19	51	-	-	51	3	-	17	-
7	Jul-19	51	-	-	51	3	-	17	-
8	Aug-19	51	-	-	51	3	-	17	-
9	Sep-19	51	-	-	51	3	-	17	-
10	Oct-19	51	-	-	51	3	-	17	-
11	Nov-19	51	-	-	51	3	-	17	-
12	Dec-19	<u>51</u>	-	<u>-</u>	<u>51</u>	<u>3</u>	<u>-</u>	<u>17</u>	<u>-</u>
13	TOTAL	612		-	612	36	-		-

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
TRAFFIC SIGNALS
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

TOTAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	215,145	-	-	215,145	247	(8)		(6,035)
2	Feb-19	215,129	-	-	215,129	244	(5)		(5,103)
3	Mar-19	214,987	-	-	214,987	244	(5)		(3,957)
4	Apr-19	214,987	-	-	214,987	244	(5)		(3,957)
5	May-19	214,987	-	-	214,987	244	(5)		(3,957)
6	Jun-19	214,987	-	-	214,987	244	(5)		(3,957)
7	Jul-19	214,685	-	-	214,685	243	(4)		(3,636)
8	Aug-19	214,685	-	-	214,685	243	(4)		(3,636)
9	Sep-19	214,685	-	-	214,685	243	(4)		(3,636)
10	Oct-19	214,685	-	-	214,685	243	(4)		(3,636)
11	Nov-19	214,664	-	-	214,664	241	(2)		(1,833)
12	Dec-19	<u>214,658</u>	-	-	<u>214,658</u>	<u>239</u>	-		-
13	TOTAL	2,578,284		-	2,578,284	2,919	(51)		(43,343)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
UNMETERED SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

Commercial

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	452,439	-	-	452,439	1,000	(8)	452	(3,616)
2	Feb-19	452,840	-	-	452,840	1,000	(8)	453	(3,624)
3	Mar-19	451,053	-	-	451,053	997	(5)	452	(2,260)
4	Apr-19	451,053	-	-	451,053	997	(5)	452	(2,260)
5	May-19	451,053	-	-	451,053	997	(5)	452	(2,260)
6	Jun-19	451,053	-	-	451,053	997	(5)	452	(2,260)
7	Jul-19	451,053	-	-	451,053	997	(5)	452	(2,260)
8	Aug-19	451,053	-	-	451,053	997	(5)	452	(2,260)
9	Sep-19	451,053	-	-	451,053	997	(5)	452	(2,260)
10	Oct-19	451,075	-	-	451,075	997	(5)	452	(2,260)
11	Nov-19	450,723	-	-	450,723	996	(4)	453	(1,812)
12	Dec-19	450,472	-	-	450,472	992	-	454	-
13	TOTAL	5,414,920		-	5,414,920	11,964	(60)		(27,132)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
UNMETERED SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

INDUSTRIAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	44,566	-	-	44,566	216	(8)	206	(1,648)
2	Feb-19	44,510	-	-	44,510	215	(7)	207	(1,449)
3	Mar-19	44,510	-	-	44,510	215	(7)	207	(1,449)
4	Apr-19	44,510	-	-	44,510	215	(7)	207	(1,449)
5	May-19	44,510	-	-	44,510	215	(7)	207	(1,449)
6	Jun-19	44,510	-	-	44,510	215	(7)	207	(1,449)
7	Jul-19	44,510	-	-	44,510	215	(7)	207	(1,449)
8	Aug-19	44,510	-	-	44,510	215	(7)	207	(1,449)
9	Sep-19	44,510	-	-	44,510	215	(7)	207	(1,449)
10	Oct-19	44,510	-	-	44,510	215	(7)	207	(1,449)
11	Nov-19	44,414	-	-	44,414	214	(6)	208	(1,248)
12	Dec-19	43,821	-	-	43,821	208	-	211	-
13	TOTAL	533,391		-	533,391	2,573	(77)		(15,937)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
UNMETERED SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

LIGHTING

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)

1	Jan-19	212	-	-	212	4	-	53	-
2	Feb-19	212	-	-	212	4	-	53	-
3	Mar-19	212	-	-	212	4	-	53	-
4	Apr-19	212	-	-	212	4	-	53	-
5	May-19	212	-	-	212	4	-	53	-
6	Jun-19	212	-	-	212	4	-	53	-
7	Jul-19	212	-	-	212	4	-	53	-
8	Aug-19	212	-	-	212	4	-	53	-
9	Sep-19	212	-	-	212	4	-	53	-
10	Oct-19	212	-	-	212	4	-	53	-
11	Nov-19	212	-	-	212	4	-	53	-
12	Dec-19	<u>212</u>	-	<u>-</u>	<u>212</u>	<u>4</u>	<u>-</u>	<u>53</u>	<u>-</u>
13	TOTAL	2,544	-	-	2,544	48	-	-	-

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
UNMETERED SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

GOVERNMENTAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	-	-	-	-	-	-	-	-
2	Feb-19	-	-	-	-	-	-	-	-
3	Mar-19	-	-	-	-	-	-	-	-
4	Apr-19	-	-	-	-	-	-	-	-
5	May-19	-	-	-	-	-	-	-	-
6	Jun-19	-	-	-	-	-	-	-	-
7	Jul-19	-	-	-	-	-	-	-	-

8	Aug-19	-	-	-	-	-	-	-	-
9	Sep-19	-	-	-	-	-	-	-	-
10	Oct-19	-	-	-	-	-	-	-	-
11	Nov-19	-	-	-	-	-	-	-	-
12	Dec-19	-	-	-	-	-	-	-	-
13	TOTAL	-		-	-	-	-		-

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
UNMETERED SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

TOTAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	497,217	-	-	497,217	1,220	(16)		(5,264)
2	Feb-19	497,562	-	-	497,562	1,219	(15)		(5,073)
3	Mar-19	495,775	-	-	495,775	1,216	(12)		(3,709)
4	Apr-19	495,775	-	-	495,775	1,216	(12)		(3,709)
5	May-19	495,775	-	-	495,775	1,216	(12)		(3,709)
6	Jun-19	495,775	-	-	495,775	1,216	(12)		(3,709)
7	Jul-19	495,775	-	-	495,775	1,216	(12)		(3,709)
8	Aug-19	495,775	-	-	495,775	1,216	(12)		(3,709)
9	Sep-19	495,775	-	-	495,775	1,216	(12)		(3,709)
10	Oct-19	495,797	-	-	495,797	1,216	(12)		(3,709)
11	Nov-19	495,349	-	-	495,349	1,214	(10)		(3,060)
12	Dec-19	494,505	-	-	494,505	1,204	-		-
13	TOTAL	5,950,855		-	5,950,855	14,585	(137)		(43,069)

Source: Revenue Data Warehouse & CCS

ENTERGY TEXAS, INC.
YEAR-END CUSTOMER & WEATHER ADJUSTMENT
TOTAL SMALL GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

GRAND TOTAL

LINE NO.	MONTH	UNADJUSTED KWH SALES	WEATHER FACTOR (1)	WEATHER ADJUSTMENT KWH	WEATHER ADJUSTED KWH	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KWH USE PER CUSTOMER	YEAR-END CUSTOMER KWH SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Jan-19	35,827,658		1,291,874	37,119,532	35,705	(108)		(20,588)
2	Feb-19	33,711,182		340,696	34,051,878	35,633	(36)		28,301
3	Mar-19	31,676,164		217,291	31,893,455	35,708	(111)		(42,313)
4	Apr-19	27,395,045		54,969	27,450,014	35,709	(112)		(33,083)
5	May-19	29,637,898		(190,527)	29,447,371	35,767	(170)		(95,439)
6	Jun-19	37,053,277		(982,167)	36,071,110	35,833	(236)		(162,056)
7	Jul-19	39,092,194		95,659	39,187,853	35,898	(301)		(233,094)
8	Aug-19	40,670,266		(102,115)	40,568,151	35,894	(297)		(248,393)
9	Sep-19	42,727,091		(1,427,782)	41,299,309	35,951	(354)		(313,224)
10	Oct-19	37,667,430		(1,770,127)	35,897,303	35,900	(303)		(253,304)
11	Nov-19	29,216,138		(47,473)	29,168,665	35,769	(172)		(109,708)
12	Dec-19	<u>29,904,965</u>		<u>(281,700)</u>	<u>29,623,265</u>	<u>35,597</u>	<u>-</u>		<u>-</u>
13	TOTAL	414,579,308		(2,801,402)	411,777,906	429,364	(2,200)		(1,482,901)

Source: Revenue Data Warehouse & CCS

Ten Year Normal Weather Period 2009-2018

Entergy Texas

**Calculation of Weather Adjustment Factor, Year Ending December 31, 2019
Residential (MWh)**

	Customers [1]	Actual Sales [2]	Usage Per Customer [3]= [2]/[1]	HDD Actual [4]	Normal [5]	CDD Actual [6]	Normal [7]	Change in		Weather Adjustment [10]	Weather Factor [11]= [10]/[2]	Weather Adjusted Usage
								HDD [8]= [5]-[4]	CDD [9]= [7]-[6]			
Jan-19	398,967	497,221	1.246	197	285	0	0	88	0	68,971	13.87%	566,192
Feb-19	398,116	455,865	1.145	213	247	0	0	34	0	23,805	5.22%	479,670
Mar-19	399,110	406,777	1.019	139	149	0	0	10	0	6,868	1.69%	413,645
Apr-19	401,023	345,191	0.861	75	52	121	135	(23)	15	(3,661)	(1.06%)	341,530
May-19	400,900	390,781	0.975	0	0	251	241	0	(10)	(4,424)	(1.13%)	386,356
Jun-19	401,047	572,258	1.427	0	0	471	428	0	(43)	(26,101)	(4.56%)	546,157
Jul-19	403,046	629,939	1.563	0	0	538	548	0	9	6,377	1.01%	636,316
Aug-19	403,395	669,772	1.660	0	0	566	565	0	(1)	(945)	(0.14%)	668,827
Sep-19	400,955	693,988	1.731	0	0	591	533	0	(59)	(42,253)	(6.09%)	651,735
Oct-19	405,648	578,976	1.427	0	0	460	380	0	(79)	(50,269)	(8.68%)	528,707
Nov-19	405,234	389,437	0.961	93	43	170	196	(50)	27	(19,931)	(5.12%)	369,506
Dec-19	403,793	409,120	1.013	165	162	0	0	(3)	0	(1,928)	(0.47%)	407,191
Total	401,770	6,039,325		883	938	3,167	3,026	56	(141)	(43,492)	(0.72%)	5,995,833

Entergy Texas

**Calculation of Weather Adjustment Factor, Year Ending December 31, 2019
Commercial (MWh)**

	Customers [1]	Actual Sales [2]	Usage Per Customer [3]= [2]/[1]	HDD Actual [4]	Normal [5]	CDD Actual [6]	Normal [7]	Change in		Weather Adjustment [10]	Weather Factor [11]= [10]/[2]	Weather Adjusted Usage
								HDD [8]= [5]-[4]	CDD [9]= [7]-[6]			
Jan-19	49,625	356,531	7.184	197	285	21	32	88	11	14,561	4.08%	371,091
Feb-19	49,280	345,830	7.018	213	247	33	33	34	0	3,960	1.14%	349,790
Mar-19	49,614	344,082	6.935	139	149	64	70	10	6	2,654	0.77%	346,736
Apr-19	49,677	335,245	6.748	75	52	121	135	(23)	15	745	0.22%	335,990
May-19	49,375	363,459	7.361	13	16	251	241	3	(10)	(2,600)	(0.72%)	360,860
Jun-19	49,117	422,464	8.601	0	1	471	428	1	(43)	(12,443)	(2.95%)	410,021
Jul-19	50,022	444,264	8.881	0	0	538	548	0	9	1,202	0.27%	445,466
Aug-19	49,891	454,920	9.118	0	0	566	565	0	(1)	(1,289)	(0.28%)	453,631
Sep-19	48,828	465,726	9.538	0	0	591	533	0	(59)	(17,245)	(3.70%)	448,482
Oct-19	50,150	440,708	8.788	2	3	460	380	1	(79)	(23,029)	(5.23%)	417,679
Nov-19	50,406	360,612	7.154	93	43	170	196	(50)	27	(704)	(0.20%)	359,908
Dec-19	50,025	333,050	6.658	165	162	82	73	(3)	(9)	(3,553)	(1.07%)	329,498
Total	49,668	4,666,892		898	958	3,368	3,234	61	(133)	(37,741)	(0.81%)	4,629,150

Entergy Texas

**Calculation of Weather Adjustment Factor, Year Ending December 31, 2019
Governmental (MWh)**

	Customers [1]	Actual Sales [2]	Usage Per Customer [3]= [2]/[1]	HDD Actual [4]	Normal [5]	CDD Actual [6]	Normal [7]	Change in		Weather Adjustment [10]	Weather Factor [11]= [10]/[2]	Weather Adjusted Usage
								HDD [8]= [5]-[4]	CDD [9]= [7]-[6]			
Jan-00	2,036	21,163	10.394	0	0	21	32	0	11	61	0.29%	21,223
Jan-19	2,022	20,685	10.230	0	0	33	33	0	0	1	0.00%	20,685
Feb-19	2,022	20,354	10.066	0	0	64	70	0	6	32	0.16%	20,386
Mar-19	2,056	20,763	10.099	0	0	121	135	0	15	81	0.39%	20,844
Apr-19	2,048	20,466	9.993	0	0	251	241	0	(10)	(54)	(0.27%)	20,411
May-19	2,031	21,624	10.647	0	0	471	428	0	(43)	(237)	(1.10%)	21,387
Jun-19	2,055	22,255	10.830	0	0	538	548	0	9	51	0.23%	22,306
Jul-19	2,076	23,011	11.084	0	0	566	565	0	(1)	(7)	(0.03%)	23,004
Aug-19	2,011	23,459	11.665	0	0	591	533	0	(59)	(322)	(1.37%)	23,137
Sep-19	2,066	23,579	11.413	0	0	460	380	0	(79)	(447)	(1.90%)	23,132
Oct-19	2,063	21,326	10.338	0	0	170	196	0	27	152	0.71%	21,478
Nov-19	2,053	20,491	9.981	0	0	82	73	0	(9)	(52)	(0.25%)	20,440
Total	2,045	259,175		0	0	3,368	3,234	0	(133)	(742)	(0.29%)	258,433

**Entergy Texas
Coefficient Summary**

Cooling	Cooling 1	Cooling 2	Cooling 3	Cooling 4	Cooling 5	Cooling 6	Cooling 7	Cooling 8
Residential	0 848	1 135	1 522	1 739	1 777	1 799	1 564	0 986
Commercial	5 722							
Governmental	2 731							
Heating	Heating 1	Heating 2	Heating 3	Heating 4	Heating 5	Heating 6		
Residential	1 963	1 784	1 781	0 932	1 515	1 909		
Commercial	2 646							
Governmental	0 000							

SOURCE: Revenue Forecasting & Analysis

ENTERGY TEXAS, INC.
KW YEAR-END CUSTOMER ADJUSTMENT BY VOLTAGE LEVEL
GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

SECONDARY

LINE NO.	MONTH	UNADJUSTED KW SALES	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KW USE PER CUSTOMER	YEAR-END CUSTOMER KW SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	JANUARY	894,127	19,582	(117)	46	(5,382)
2	FEBRUARY	916,379	19,573	(108)	47	(5,076)
3	MARCH	912,407	19,629	(164)	46	(7,544)
4	APRIL	878,911	19,699	(234)	45	(10,530)
5	MAY	888,702	19,704	(239)	45	(10,755)
6	JUNE	930,705	19,749	(284)	47	(13,348)
7	JULY	943,870	19,769	(304)	48	(14,592)
8	AUGUST	956,867	19,798	(333)	48	(15,984)
9	SEPTEMBER	984,760	19,782	(317)	50	(15,850)
10	OCTOBER	969,587	19,721	(256)	49	(12,544)
11	NOVEMBER	945,753	19,693	(228)	48	(10,944)
12	DECEMBER	901,497	19,465	-	46	-
13	TOT	11,123,565	236,164	(2,584)		(122,549)

Note. Excludes GS-TOD

ENTERGY TEXAS, INC.
KW YEAR-END CUSTOMER ADJUSTMENT BY VOLTAGE LEVEL
GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

PRIMARY

LINE NO.	MONTH	UNADJUSTED KW SALES	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KW USE PER CUSTOMER	YEAR-END CUSTOMER KW SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	JANUARY	40,760	180	(2)	226	(452)
2	FEBRUARY	41,673	180	(2)	232	(464)
3	MARCH	43,398	177	1	245	245
4	APRIL	40,744	176	2	232	464
5	MAY	42,573	179	(1)	238	(238)
6	JUNE	46,659	181	(3)	258	(774)
7	JULY	47,584	180	(2)	264	(528)
8	AUGUST	44,988	180	(2)	250	(500)
9	SEPTEMBER	45,431	183	(5)	248	(1,240)
10	OCTOBER	44,674	183	(5)	244	(1,220)
11	NOVEMBER	44,195	183	(5)	242	(1,210)
12	DECEMBER	42,344	178	-	238	-
13	TOT	525,024	2,160	(24)		(5,917)

Note: Excludes GS-TOD

ENTERGY TEXAS, INC.
KW YEAR-END CUSTOMER ADJUSTMENT BY VOLTAGE LEVEL
GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

TRANSMISSION < 230 KV

LINE NO.	MONTH	UNADJUSTED KW SALES	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KW USE PER CUSTOMER	YEAR-END CUSTOMER KW SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	JANUARY	11,745	13	-	903	-
2	FEBRUARY	11,028	13	-	848	-
3	MARCH	11,134	13	-	856	-
4	APRIL	11,032	13	-	849	-
5	MAY	10,931	13	-	841	-
6	JUNE	10,835	13	-	833	-
7	JULY	11,047	13	-	850	-
8	AUGUST	11,273	13	-	867	-
9	SEPTEMBER	10,942	13	-	842	-
10	OCTOBER	11,764	13	-	905	-
11	NOVEMBER	10,738	13	-	826	-
12	DECEMBER	11,208	13	-	862	-
13	TOT	133,677	156	-		-

Note. Excludes GS-TOD

ENTERGY TEXAS, INC.
KW YEAR-END CUSTOMER ADJUSTMENT BY VOLTAGE LEVEL
GENERAL SERVICE
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2019

TOTAL (ALL VOLTAGES)

LINE NO.	MONTH	UNADJUSTED KW SALES	NUMBER OF CUSTOMERS	CHANGE IN CUSTOMERS	AVERAGE KW USE PER CUSTOMER	YEAR-END CUSTOMER KW SALES ADJUSTMENT
(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	JANUARY	946,633	19,775	(119)		(5,834)
2	FEBRUARY	969,081	19,766	(110)		(5,540)
3	MARCH	966,940	19,819	(163)		(7,299)
4	APRIL	930,687	19,888	(232)		(10,066)
5	MAY	942,206	19,896	(240)		(10,993)
6	JUNE	988,199	19,943	(287)		(14,122)
7	JULY	1,002,501	19,962	(306)		(15,120)
8	AUGUST	1,013,128	19,991	(335)		(16,484)
9	SEPTEMBER	1,041,133	19,978	(322)		(17,090)
10	OCTOBER	1,026,025	19,917	(261)		(13,764)
11	NOVEMBER	1,000,686	19,889	(233)		(12,154)
12	DECEMBER	955,049	19,656	-		-
13	TOT	11,782,267	238,480	(2,608)		(128,466)

Note Excludes GS-TOD

Original From Source Tables:	
rate_schedule	(LIPS & PPS)
Sum of Billed_kW	Column Labels
Row Labels	2019
Large General Service	3,248,161.6
Large Industrial Power Service	14,862,855.3
Grand Total	18,111,016.9

Missing Billing Issues:	
Row Labels	2019
Large General Service	15,143.0
Large Industrial Power Service	0.0
	15,143.0

Sum of Billed_kW	Column Labels
Row Labels	2019
Large General Service - Total	3,263,304.6
Large Industrial Power Service	14,862,855.3

rate_class	Lighting
Row Labels	Sum of Billed kWh
1	7,932,352
2	7,895,464
3	7,869,069
4	7,880,829
5	7,879,037
6	7,874,960
7	7,838,751
8	7,829,334
9	7,811,593
10	7,814,783
11	7,766,899
12	7,736,055
Grand Total	94,129,125

Usage Ramping UP:		Usage Ramping UP (Annualized):		Net Changes:	
TX_LG*	48,941 >>>>>	TX_LG*	116,337 >>>>>	TX_LG*	67,396
TX_LI*	240,076 >>>>>	TX_LI*	435,116 >>>>>	TX_LI*	195,040
Usage Ramping DOWN:		Usage Ramping DOWN (Annualized):			
TX_LG*	58,369 >>>>>	TX_LG*	- >>>>>	TX_LG*	(58,369)
TX_LI*	87,584 >>>>>	TX_LI*	- >>>>>	TX_LI*	(87,584)
Migration to LGS/LIPS		Migration to LGS/LIPS			
TX_LG*	62,310 >>>>>	TX_LG*	118,767 >>>>>	TX_LG*	56,457
TX_LI*	16,913 >>>>>	TX_LI*	40,591 >>>>>	TX_LI*	23,678
Migration inside LGS/LIPS		Migration inside LGS/LIPS			
TX_LG*	- >>>>>	TX_LG1	- >>>>>	TX_LG*	-
TX_LI*	- >>>>>	TX_LGSM1	- >>>>>	TX_LI*	-
Migration from LGS/LIPS		Migration from LGS/LIPS			
TX_LG*	15,597 >>>>>	TX_LG*	- >>>>>	TX_LG*	(15,597)
TX_LI*	- >>>>>	TX_LI*	- >>>>>	TX_LI*	-
Unadjusted LGS	15,143				

ANNUALIZATION ADJUSTMENTS	
Large General Service	49,887.0
Large Industrial Power Service	131,134.8
TOTAL	181,021.8

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Commission Staff

Prepared By: Richard Lain
Sponsoring Witness: Richard Lain
Beginning Sequence No. WG6
Ending Sequence No. WG6

Question No.: STAFF 1-2

Part No.:

Addendum:

Question:

Please provide workpapers with all formulae intact showing the calculation of an adjustment to the Lighting class billing determinants to reflect the number of customers for the 12-month period ending December 31, 2019, consistent with the DCRF rule's requirement that rate class billing determinants be "(weather- normalized and adjusted to reflect the number of customers at the end of the period) for the 12 months ending on the date used for purposes of determining the Current Net Distribution Invested Capital."

Response:

ETI has not adjusted the Lighting Service billing determinants to reflect the number of customers for the 12-month period ending December 31, 2019¹ because the proposed unadjusted billing determinants reasonably reflect the expected billing determinants for the DCRF rate year. Further, ETI has not previously adjusted Lighting Service billing determinants to reflect the number of customers for the 12-month test periods in its four previously approved DCRF applications (Docket Nos. 43111, 45083, 47233 and 49392), nor has it adjusted Lighting Service billing determinants to reflect the number of customers for the 12-month test periods in its two previously approved base-case applications (Docket Nos. 41791 and 48371), all of which support ETI's proposal in this proceeding. Finally, ETI is not aware whether other DCRF proceedings, in which it did not participate, featured unadjusted Lighting Service billing determinants as a contested issue.

¹ Please refer to Mr. Lain's direct testimony, page 10, lines 17-18.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Commission Staff

Prepared By: Richard Lain
Sponsoring Witness: Richard Lain
Beginning Sequence No. WG7
Ending Sequence No. WG7

Question No.: STAFF 1-3

Part No.:

Addendum:

Question:

Regarding the Company's proposal to not apply an end-of-period customer adjustment to the billing determinants for the Lighting class, please provide a comprehensive justification for the proposed departure from the DCRF rule's requirement that rate class billing determinants be "(weather-normalized and adjusted to reflect the number of customers at the end of the period) for the 12 months ending on the date used for purposes of determining the Current Net Distribution Invested Capital." Include citations to all DCRF proceedings wherein such an end-of-period customer adjustment issue was contested and where Commission precedent supports the Company's proposal, and to any other Commission decisions that explicitly support the Company's proposal.

Response:

Please see the Company's response to Staff 1-2.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Commission Staff

Prepared By: Kristin Sasser
Sponsoring Witness: Kristin Sasser
Beginning Sequence No. WG8
Ending Sequence No. WG8

Question No.: STAFF 1-4

Part No.:

Addendum:

Question:

Refer to Exhibit KS-1 and Schedule X.3. Please explain in detail why:

- a. The actual HDD from Exhibit KS-1 do not match the actual HDD in Schedule X.3 for the Commercial class.
 - b. The normal HDD from Exhibit KS-1 do not match the normal HDD in Schedule X.3 for the Commercial class.
 - c. The actual CDD from Exhibit KS-1 do not match the actual CDD in Schedule X.3 for the Commercial class.
 - d. The normal CDD from Exhibit KS-1 do not match the normal CDD in Schedule X.3 for the Commercial class.
 - e. The actual CDD from Exhibit KS-1 do not match the actual CDD in Schedule X.3 for the Governmental class.
 - f. The normal CDD from Exhibit KS-1 do not match the normal CDD in Schedule X.3 for the Governmental class.
-

Response:

Schedule X.3 provides actual and normal HDD and CDD for the Residential class only. Please see Exhibit KS-1 for the actual and normal HDD and CDD for the Commercial class and Governmental class.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Commission Staff

Prepared By: My Nguyen
Sponsoring Witness: Kristin Sasser
Beginning Sequence No. WG9
Ending Sequence No. WG9

Question No.: STAFF 1-5

Part No.:

Addendum:

Question:

Refer to Exhibit KS-1. Please provide the calculations used to compute column [10] for the Residential, Commercial, and Governmental classes.

Response:

The attached file has the calculations used to compute column [10] in Exhibit KS-1.

**Weather Adjustment Calculation
Residential**

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Model Variables												
CONST	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126	25.2880126
Interactive MMM_HDD60	1.9627157	1.7842434	1.7807329	0.9324723	-	-	-	-	-	-	1.5149127	1.9090680
Interactive MMM_CDD65	-	-	-	0.8476864	1.1351097	1.5216724	1.7389578	1.7769987	1.7985180	1.5639040	0.9860383	-
AR(1)	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782	0.4688782
Model Data												
HDD60	197.23	213.25	139.26	75.42	-	-	-	-	-	-	93.01	164.51
CDD65	-	-	-	120.97	251.14	470.53	538.48	565.94	591.35	459.53	169.53	-
NHDD60	285.30	246.77	148.92	52.44	-	-	-	-	-	-	43.03	162.01
NCDD65	-	-	-	135.47	241.42	427.76	547.58	564.62	532.76	380.29	196.44	-
Days - Predicted	33	30	30	29	30	31	30	30	31	30	28	30
Days - Simulated	33	30	30	29	30	31	30	30	31	30	28	30
Customers	398,967	398,116	399,110	401,023	400,900	401,047	403,046	403,395	400,955	405,648	405,234	403,793
Calculation												
Predicted Usage per Customer per Day	37.50	38.50	34.06	31.66	35.36	49.06	56.81	59.34	60.53	49.50	36.67	36.38
Simulated Usage per Customer per Day	42.75	40.50	34.64	31.35	34.99	46.94	57.34	59.26	57.09	45.40	34.93	36.22
Weather Adjustment UPC per Day	5.24	2.00	0.58	(0.31)	(0.37)	(2.12)	0.52	(0.08)	(3.45)	(4.09)	(1.74)	(0.16)
Weather Adjustment UPC	172.87	59.79	17.21	(9.13)	(11.04)	(65.08)	15.82	(2.34)	(105.38)	(123.92)	(49.19)	(4.77)
Weather Adjustment in KWh	68,970,682	23,804,921	6,868,103	(3,660,665)	(4,424,312)	(26,101,360)	6,377,251	(944,964)	(42,253,379)	(50,268,629)	(19,931,438)	(1,928,049)
Weather Adjustment in MWh	68,971	23,805	6,868	(3,661)	(4,424)	(26,101)	6,377	(945)	(42,253)	(50,269)	(19,931)	(1,928)
Exhibit KS-1 Column [10]	68,971	23,805	6,868	(3,661)	(4,424)	(26,101)	6,377	(945)	(42,253)	(50,269)	(19,931)	(1,928)

**Weather Adjustment Calculation
Commercial**

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Model Variables												
CONST	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082	207.7168082
Interactive HDD60	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632	2.6462632
Interactive CDD65	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823	5.7222823
MA(1)	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841	0.3747841
Model Data												
HDD60	197.23	213.25	139.26	75.42	12.67	0.01	-	-	-	2.26	93.01	164.51
CDD65	21.16	33.19	64.25	120.97	251.14	470.53	538.48	565.94	591.35	459.53	169.53	81.85
NHDD60	285.30	246.77	148.92	52.44	15.62	1.43	-	-	0.01	2.83	43.03	162.01
NCDD65	32.06	33.31	70.06	135.47	241.42	427.76	547.58	564.62	532.76	380.29	196.44	72.65
Days - Predicted	33	30	30	29	30	31	30	30	31	30	28	30
Days - Simulated	33	30	30	30	30	31	30	30	31	30	29	30
Customers	49,625	49,280	49,614	49,677	49,375	49,117	50,022	49,891	48,828	50,150	50,406	50,025
Calculation												
Predicted Usage per Customer per Day	227.60	233.34	232.75	238.54	257.62	295.73	310.29	316.24	318.74	295.15	251.18	238.65
Simulated Usage per Customer per Day	236.50	236.03	234.54	239.05	255.85	287.49	311.09	315.38	307.19	279.98	250.69	236.25
Weather Adjustment UPC per Day	8.90	2.69	1.79	0.51	(1.77)	(8.25)	0.80	(0.86)	(11.55)	(15.17)	(0.50)	(2.40)
Weather Adjustment UPC	293.41	80.35	53.49	15.00	(52.65)	(253.34)	24.03	(25.84)	(353.17)	(459.20)	(13.97)	(71.02)
Weather Adjustment in KWh	14,560,609	3,959,699	2,653,967	745,234	(2,599,831)	(12,443,415)	1,202,244	(1,289,095)	(17,244,618)	(23,029,047)	(704,419)	(3,552,789)
Weather Adjustment in MWh	14,561	3,960	2,654	745	(2,600)	(12,443)	1,202	(1,289)	(17,245)	(23,029)	(704)	(3,553)
Exhibit KS-1 Column [10]	14,561	3,960	2,654	745	(2,600)	(12,443)	1,202	(1,289)	(17,245)	(23,029)	(704)	(3,553)

**Weather Adjustment Calculation
Governmental**

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Model Variables												
CONST	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936	319.3715936
Interactive HDD60	-	-	-	-	-	-	-	-	-	-	-	-
Interactive CDD65	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334	2.7306334
AR(1)	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893	0.6898893
Model Data												
HDD60	-	-	-	-	-	-	-	-	-	-	-	-
CDD65	21.16	33.19	64.25	120.97	251.14	470.53	538.48	565.94	591.35	459.53	169.53	81.85
NHDD60	-	-	-	-	-	-	-	-	-	-	-	-
NCDD65	32.06	33.31	70.06	135.47	241.42	427.76	547.58	564.62	532.76	380.29	196.44	72.65
Days - Predicted	33	30	30	29	30	31	30	30	31	30	28	30
Days - Simulated	33	30	30	29	30	31	30	30	31	30	28	30
Customers	2,036	2,022	2,022	2,056	2,048	2,031	2,055	2,076	2,011	2,066	2,063	2,053
Calculation												
Predicted Usage per Customer per Day	321.81	323.10	325.94	331.34	343.16	361.88	368.83	371.67	372.86	361.51	336.46	327.62
Simulated Usage per Customer per Day	322.72	323.11	326.47	332.69	342.26	358.08	369.65	371.55	367.63	354.36	339.07	326.77
Weather Adjustment UPC per Day	0.90	0.01	0.53	1.35	(0.89)	(3.80)	0.82	(0.12)	(5.23)	(7.15)	2.60	(0.85)
Weather Adjustment UPC	29.77	0.32	15.88	39.61	(26.55)	(116.79)	24.85	(3.60)	(160.00)	(216.37)	73.47	(25.11)
Weather Adjustment in KWh	60,612	647	32,108	81,444	(54,371)	(237,203)	51,058	(7,473)	(321,756)	(447,025)	151,579	(51,547)
Weather Adjustment in MWh	61	1	32	81	(54)	(237)	51	(7)	(322)	(447)	152	(52)
Exhibit KS-1 Column [10]	61	1	32	81	(54)	(237)	51	(7)	(322)	(447)	152	(52)

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
CONST	25.288	0.649	38.968	0.00%		Constant term
Interactive.Jan_HDD60	1.963	0.083	23.786	0.00%		
Interactive.Feb_HDD60	1.784	0.080	22.406	0.00%		
Interactive.Mar_HDD60	1.781	0.121	14.693	0.00%		
Interactive.Apr_HDD60	0.932	0.306	3.048	0.30%		
Interactive.Apr_CDD65	0.848	0.125	6.771	0.00%		
Interactive.May_CDD65	1.135	0.088	12.830	0.00%		
Interactive.Jun_CDD65	1.522	0.054	28.293	0.00%		
Interactive.Jul_CDD65	1.739	0.043	40.306	0.00%		
Interactive.Aug_CDD65	1.777	0.041	43.648	0.00%		
Interactive.Sep_CDD65	1.799	0.044	41.016	0.00%		
Interactive.Oct_CDD65	1.564	0.060	26.263	0.00%		
Interactive.Nov_CDD65	0.986	0.136	7.264	0.00%		
Interactive.Nov_HDD60	1.515	0.537	2.821	0.59%		
Interactive.Dec_HDD60	1.909	0.139	13.781	0.00%		
AR(1)	0.469	0.094	4.989	0.00%		

Export from Weather Normalization Model

ResAvgUse - Coef tab

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
CONST	207.716808	2.787	74.52	0.00%		Constant term
MWthrRevPD.HDD60	2.64626324	0.367	7.209	0.00%		
MWthrRevPD.CDD65	5.72228232	0.203	28.148	0.00%		
MA(1)	0.37478412	0.094	4	0.01%		

Export from Weather Normalization Model

ComAvgUse - Coef tab

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
CONST	319.371594	5.223	61.151	0.00%		Constant term
MWthrRevPD.CDD65	2.73063338	0.349	7.827	0.00%		
AR(1)	0.68988927	0.071	9.777	0.00%		

Export from Weather Normalization Model

GovAvgUse - Coef tab

DT	AvgDB	CycDays	CDD65	HDD60
1/1/2019	55.5	31.3	21.2	197.2
2/1/2019	55.4	29.8	33.2	213.3
3/1/2019	59.7	30.4	64.2	139.3
4/1/2019	64.7	29.7	121.0	75.4
5/1/2019	72.6	29.4	251.1	12.7
6/1/2019	80.2	30.9	470.5	0.0
7/1/2019	82.7	30.4	538.5	-
8/1/2019	84.0	29.8	565.9	-
9/1/2019	84.4	30.5	591.4	-
10/1/2019	80.2	29.8	459.5	2.3
11/1/2019	65.5	30.7	169.5	93.0
12/1/2019	59.6	30.8	81.8	164.5

Export from Weather Normalization Model

DegreeDays_10YearNorm_2009to2018

DT	AvgDB	CDD65	HDD60
1/1/2019	53.2	32.1	285.3
2/1/2019	54.3	33.3	246.8
3/1/2019	59.7	70.1	148.9
4/1/2019	66.2	135.5	52.4
5/1/2019	71.9	241.4	15.6
6/1/2019	78.7	427.8	1.4
7/1/2019	83.0	547.6	-
8/1/2019	84.0	564.6	-
9/1/2019	82.4	532.8	0.0
10/1/2019	77.4	380.3	2.8
11/1/2019	68.6	196.4	43.0
12/1/2019	59.2	72.7	162.0

Export from Weather Normalization Model

DegreeDays_10YearNorm_2009to2018

Year	Month	BDays	UBDays	ComBDays
2019	1	33.0	19.5	33.0
2019	2	29.9	17.8	30.2
2019	3	29.9	18.3	30.1
2019	4	29.3	18.6	29.5
2019	5	29.7	20.2	29.8
2019	6	30.7	19.4	30.9
2019	7	30.1	20.0	30.4
2019	8	29.9	21.2	30.1
2019	9	30.6	20.7	30.8
2019	10	30.3	21.9	30.4
2019	11	28.2	21.2	29.1
2019	12	29.6	21.4	30.0

Export from Weather Normalization Model

DT	Res	Com	Gov
1/1/2019	398,967	49,625	2,036
2/1/2019	398,116	49,280	2,022
3/1/2019	399,110	49,614	2,022
4/1/2019	401,023	49,677	2,056
5/1/2019	400,900	49,375	2,048
6/1/2019	401,047	49,117	2,031
7/1/2019	403,046	50,022	2,055
8/1/2019	403,395	49,891	2,076
9/1/2019	400,955	48,828	2,011
10/1/2019	405,648	50,150	2,066
11/1/2019	405,234	50,406	2,063
12/1/2019	403,793	50,025	2,053

Export from Weather Normalization Model

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 50714

Response of: Entergy Texas, Inc.
to the First Set of Data Requests

of Requesting Party: Commission Staff

Prepared By: David Richard/Richard Lain
Sponsoring Witness: David
Richard/Richard Lain
Beginning Sequence No. WG10
Ending Sequence No. WG18

Question No.: STAFF 1-6

Part No.:

Addendum:

Question:

Please describe what distribution system function each of the following items serves?
Please provide a complete and detailed explanation and rationale.

a. General Plant:

DCRF Project Number	Project Description
C6PP279ETI	ETX-Network Switch Rem. 2019
C6PP312EPL	EPL-800MHz Radio System Ref. 2019
C6PP278ETX	ETX-Eliminate Leased TDM Service
C6PP282WDO	WDO-2019 PBX Replacements Program
C6PP286EPL	2019 Telecom Cap Equip Replace EPL
C6PP277ETI	ETX-PC Refresh - Enterprise 2019
C1PPTDAH1J	DA Release 1 - Hardware Jackson
C6PP243EPL	BRO-TOWER INSP. 2018
C1PPDR215H	CDR Digital Assets Hardware
C6PPHBT894	Laclede Telecom Project
C6PP256TX0	SBA--Network Switch Refresh 18
C6PPDWPC8T	2018 Computers Utility ETI
C6PP076TDR	ETX-DIS-CIP-003 Version 7

C6PP076TTR	ETX-TRA-CIP-003 Version 7
C1PPTDAH1L	DA Release 1 - Hardware Little Rock
C6PP299TOL	TOL-MW REPLACEMENT 2019
C6PP314ETI	2019 U.P. Supply TX000
C6PP299BEO	WEEKS-MW REPLACEMENT 2019
C1PPDR115H	Cust Digital IVR Hardware
C6PPWS1353	MCPS Laptops and Monitors Purchase
C6PP299DYT	SAM-MW REPLACEMENT 2019
C6PPHBT886	CNO Telecom Furniture
C6PP258WDO	WDO Eliminate Leased TDM Services
C6PP301EPL	EPL-Remote Site Infr.Blkt. 2019
C6PP292TEX	ETI - 2019 SIP TRUNKING
C6PP305EPL	EPL Fiber Repl. Mid Level Eq 2019
C6PP259WDO	ETI-PBX Replacements Prog. 2018
C1PPAMHLR1	EAM - R1 Infrastructure LDC
C6PP083SAB	SAB-GTT-FOS-OSI PI Annual Product R
C1PPLHRHDW	BCG Reliability Hardware Costs
C6PP297EPL	ETX-800MHz Radio Coverage 2019
C6PP249TX0	TX Corporate Wireless Refresh & Exp
C1PPAMHJR1	EAM - R1 Infrastructure JDC
C6PP309EPL	EPL-Telecom Monitoring Ref. 2019.
C6PPHBT932	Conroe Conference Room Chairs
C6PPHBT219	NVS-Navasota SC Chairs
C6PPW10TX0	ETI-W10-New PC's 2018

C6PP203WDO	WDO Security Device Remediation
C6PP208EPL	EPL-NW Switch Remediation 2018
C6PP203NVO	NVO Security Device Remediation
C6PP203SBC	SBC Security Device Remediation
C6PP203TOP	TOP Security Device Remediation
C6PPWGP935	SBC Laptop Purchase
C6PP020TXF	TXF-Server Ref. Remediation
C6PP019TXF	TXF--SERVER REF & EXP 2018
C6PP237ETI	Texas - Infu. Cable Mgmt. Remedi
C6PPCRK003	Purchase New Computer for TX SS
C6PPTNX812	Chevyland Relay Laptops
C6PPWGP924	SBC Laptop Purchase
C6PP019TXO	TXO--SERVER REF & EXP
C6PP020TXO	TXO-Server Ref. Remediation
C1PP6DCJ17	CIPv6 Jackson Data Center
C1PP6LRL17	CIPv6 Little Rock Data Center
C6PP254WDO	WDO-Security Device Refresh 2018
C6PPHBT839	Edison Plaza 2018 Restack

b. Intangibles:

C1PPDW0885	Enterprise Analytics
C1PPGMDL01	SW-Grid Modernization Data Lake
C1PPINT059	Application Containerization
C1PP081INT	CBLE-Substation Design Automation
C1PPSNOINT	Service Now Expansion-2018
C1PP274INT	SW - Mainframe Replatforming
C1PPAMDVSW	EAM – Asset Collection/ Validation
C6PPAMCETI	EAM Conflation - TX
C1PP285ESI	2019 - UNIX-Linux Ser. and OS Ref.
C1PPDYNTRC	2019 Dynatrace License Purchase
C1PPX053IN	End Point Protection - Software
C1PP20INT1	Learning Management
C1PPEAMGIS	EAM/WFMS – EPOCH GIS Software and L
C1PP283INT	2019 Peoplesoft PUM INT WO
C1PP519INT	Spatial Load Forecasting Platform
C1PP308S00	SW-Remote Content Filtering for Clo
C1PP082INT	Software - TSAT-VSAT
C1PP144INN	Rate Admin and Customer Load 2018
C1PP294S00	2019 SQL and Oracle Database Refre.
C1PPLHRSFW	BCG Reliability Software Costs
C1PPBTA191	RPA: Automation Anywhere
C1PP235INT	HANA 2.0 UPGRADE
C6PP062ETI	TX-15260-FP-Regulatory Rate Develop
C1PPAMCOS1	EAM- Conflation Software- ESI

C1PP091INT	SW-P2R Database Replatform
C1PPU12INT	EDE-myEbusiness Enhancements
C1PPBTU191	RPA: Utility Operations
C1PP0INT32	Masking Software
C1PP310INT	SW-P2R Server Upgrade and Refresh
C1PPINT057	Entergy com Replatform with ZMS
C1PP088IN3	Project CIRCE 2019
C1PP088IN2	CIRCE Rel 2.1 2018
C1PP266INT	Multi-factor Authentication for Rem
C1PP021SW1	SW1- Windows 10 Upgrade
C1PP119INT	Middleware - Consolidation & API Mg
C1PPAMESRI	EAM/WFMS - ESRI GIS Software an
C1PP021SW2	SW2-Windows 10 Upgrade
C1PP032INT	Encryption Software
C1PPBTF191	RPA: Finance
C1PP291RL3	SPO-PCI Biannual Prod Rel 3 2019
C1PPTDASWZ	DA - Software Install and Labor
C1PP0INT89	SW-BI Tools Upgrade & Exp. 18 PH 2
C1PPINT034	Informatica-2018
C1PPICX066	15780-ITRON-FCS Upgrade
C1PPBTS191	RPA: Supply Chain
C1PP028INT	Corp Privileged Access Mgmt Upg
C1PP026INT	LCMSM Upgrade_Cleanup
C1PPBTE191	RPA: ESS
C1PPCF082Z	Record to Report
C6PP292ETI	SW-ETI 2019 SIP TRUNKING
C1PPLRL331	LRL-Little Rock Data Center

C1PPBTI191	RPA: IT
C1PPLRL328	15802-EPOWR_Ent Planned Outage Res
C1PP143INT	SW-Validation Process btw BW and P2
C1PP334INT	Microsoft License 2019 True Up
C1PPS31INT	Certificate Manage Solution 2018
C1PPBTD191	RPA: Incident Resp
C1PP291RL1	SPO-PCI Biannual Prod Rel 1 2019
C1PPICS022	SW 15784-FP-Lease Accounting and GU
C1PP234INT	SW--Forward Proxy Replacement
C1PP335ESI	15760-Enterprise Mobile Manageme
C1PPMA02SW	MA - Upgrade IPS Logility-2018
C1PP267INT	SW-Secure DNS-DHCP-2018
C1PP090INN	SW-Peoplesoft PUM Upgrade Program
C1PP067ATS	ATOS Workplace Svcs Intelligent Doc
C1PPMA8IN3	MA-Project CIRCE 2019
C1PPBTP191	RPA: Power Gen
C1PPINT060	SW-Cisco UC Upgrade & Exp 2019
C1PP291RL2	SPO-PCI Biannual Prod Rel 2 2019
C1PPBTO182	RPA: SPO
C1PPU0038A	Bill Print Vendor Replacement
C1PPDCJ331	DCJ-Jackson Data Center
C1PPMAODLI	Oracle Database Lifecycle Mgmt
C6PPT57INT	TX - SIP Trunking
C1PPLFN331	LFN-Lake Front North
C1PPBTD182	RPA: Incident Response Jun-Dec 201

C1PP044INT	SW—IT Project Mgmt System Upgrade
C1PPBTS182	RPA SUPPLY CHAIN JUNE - DEC 2018
C1PP336ESI	15759-Digital Rights Management
C1PPBTH191	RPA: HR
C1PPBTU182	RPA:Utility Ops June-Dec. 20
C1PPFIN182	Finance Robotic Automation 2Q18
C1PP24INT5	3 & 4 Qtr SQL & Oracle DB Ref. 18
C1PP072INT	SW-Trans Asset Renewal
C1PP219INT	SW-App. Performance Monitoring
C1PP089INT	SWBI Tools Upgrade & Exp 18 PH1
C1PPINT054	SW-View Outage Replacement
C1PPMA267I	MA-SW-Secure DNS-DHCP-2018
C1PPF082FN	Finance Reporting
C1PPU13INT	EDE-COLLECT Upgrade
C1PP019INT	Software Server Ref Exp Prog 2018
C1PPMAF082	Record to Report
C1PP259INT	SW-2018 PBX REPLACEMENT
C1PPBTE182	RPA: ESS June - Dec. 2018
C1PPU51INT	Stakeholder Engagement Mgmt.
C1PPBTI182	RPA:IT June - Dec. 2018
C1PP023INT	Cisco UC Upgrade and Capacity Exp.
C1PPBTP182	RPA: Power Gen Jun-Dec 2018
C1PP204INT	Software - Alert Enterprise
C1PP034INT	ENT-INFORMATICA 10 UPGRADE
C1PPMAP082	MA-Core HR (PR/ESS/MSS/Benefits)

C1PPCF082O	Order to Cash - PeopleSoft Systems Replacement
C1PPC05INT	EDE-Litigation Hold Automation
C1PP284INT	SW-Ser. Ref. and Exp 2019
C1PPINT023	SW - 2019 Server Refresh Rem.
C1PPF74INT	GTT-FOS-OSI PI Annual Product Relea
C1PP10INT2	ME-WH Mgnt Sys Upgrade Phase II
C1PPBTY182	RPA: Safety
C1PPBRT182	RPA: NERC/CIP
C1PP073INT	Enterprise Bi-annual Upgrades
C1PPBTJ182	RPA: Capital Projects
C1PPBTT191	RPA
C1PPINT037	FP-Scalable Asset Vision Cld Serv I
C1PPBTL191	RPA: Legal
C1PP264INT	SW-UNIX-Linux Serv & OS Ref.18
C1PPBTT182	RPA: Jun-Dec 2018
C1PP11INT2	SW - Office 365 - Collaboration-2
C1PP011INT	SW - Office 365 - Collaboration
C1PP152INT	SW - Documentum Upgrade
C1PP245INT	1 & 2 Qtr SQL & Oracle DB ref. 18
C1PPBTH182	RPA: HR June - Dec. 2018
C1PPD14216	SQL and Oracle Database Refresh
C1PPID157A	Network Asset and Conf. Mngmt.
C1PPMMA119	Minor Add Middleware ESB EAI Conv
C1PPC23INT	Outsource Copy Centers
C1PPU02INT	GDT Performance Upgrade
C1PP094INT	CBLE – Power Plan Lessee Accounting

C1PP49INT1	SW1-EDE-Bill Syst Contr Repo Integ
C1PPF082RE	HR Reporting
C1PP090INT	Infra Disaster Recov Automation
C1PPIX05A	Automation Anywhere
C6PPT59INT	ETX-2018 Reg. Rate Development
C1PPCF082P	Core HR (Payroll/ESS/MSS/Benefits)
C1PP020INT	Upgrade IPS Logility-2018
C1PPCF082T	Source to Pay
C1PPODLINT	Oracle Database Lifecycle Mgmt
C1PPTAMSWZ	EAM - Meters - Software

Response:

Please see the attached. As discussed in the Direct Testimony of David A. Richard, the capital projects included in the DCRF help ETI's distribution functions to serve new load; carry out projects essential to distribution service; meet performance standards necessary to ensure reliability; and construct infrastructure improvements (e.g., substations and distribution lines) required to provide reliable service to its customers. As explained in the Direct Testimony of Allison P. Lofton, the distribution investments at issue here were properly included in the FERC accounts listed in the DCRF rule and pursuant to the FERC Uniform System of Accounts and Generally Accepted Accounting Principles. In this docket, the allocations were made in the same manner as the baselines set in Docket No. 48371, the Company's last base rate case. These amounts were tracked and accounted for based upon the Company's capitalization guidelines and policies attached as exhibits to Company witness Richard and Lain's testimony respectively.

DCRF Project Number	Project Description	Explanations
C6PP279ETI	ETX-Network Switch Rem. 2019	This project captured the cost to replace the 2019 portion of Cisco network equipment that is no longer supported and/or near end of life across Texas territory.
C6PP312EPL	EPL-800MHz Radio System Ref. 2019	This project will capture capital cost for the Security Updates that will affect the 800MHZ radio system across the Texas Southwest Region Radio sites, which Distribution uses. The Security Update Service assures that commercial anti-virus definitions, operating system software patches, and Intrusion Detection Sensor signature files are compatible with our ASTRO 25 system and do not interfere with system functionality.
C6PP278ETX	ETX-Eliminate Leased TDM Service	This project captured the capital cost for the replacement of leased TDM services with an internal Entergy Texas on net solution along with modern leased services and included fiber installation, microwave installations and installation of state of the art leased solutions including Multi-Protocol Label Switching (MPLS) and Session Initiation Protocol (SIP) trunking. This project provided for improved access to Wide Area Network at several small offices across Entergy Texas territory.
C6PP282WDO	WDO-2019 PBX Replacements Program	The purpose of this project is to capture the capital costs related to the installation of a new Voice over Internet Protocol (VoIP) telecommunications system to replace the current outdated system. The new system will be utilized by all Entergy employees, including distribution employees.

C6PP286EPL	2019 Telecom Cap Equip Replace EPL	The purpose of this project is to capture the capital costs associated with purchasing battery bank replacements, generator replacements, purchase air conditioning replacements, and fund test equipment used to troubleshoot equipment at the Telecom sites which support the Telecom infrastructure. The Telecom infrastructure is utilized by all Entergy employees, including distribution employees.
C6PP277ETI	ETX-PC Refresh - Enterprise 2019	The purpose of this project is to capture capital costs associated with the replacement of PC's at the end of their life. This refresh is done on a rotating 5 year basis for all Entergy employees, including distribution.
C1PPTDAH1J	DA Release 1 - Hardware Jackson	The overall purpose of this project is to capture and manage the capital costs associated with the scaling of central hardware in the Little Rock and Jackson Data Centers to secure, manage and route information between devices, SCADA, OMS/DMS, and other back office systems. These data centers house the servers which support Entergy operations in Texas, including distribution operations.
C6PP243EPL	BRO-TOWER INSP. 2018	This project captured the capital costs for tower Inspection and repairs across the Texas region which includes all towers which carry either 800MHz radio or transport radio equipment associated with Entergy distribution communications. The inspection and repairs included anchor and guy inspection\repairs, any remediation required to get the towers in good operating condition and analysis\repairs including bolts, steel, and associated hardware to determine and ensure soundness of tower system.

C1PPDR215H	CDR Digital Assets Hardware	The purpose of this project is to capture the capital costs related to the purchase of the computer hardware for the customer digital assets hardware. This is part of Entergy Utility Operations, including Entergy Texas Distribution Operations', implementation and upgrade of customer-focused digital technology systems to improve its customer service experience and deliver business value.
C6PPHBT894	Laclede Telecom Project	This project captured the capital costs associated with the renovation and purchase of equipment for the Laclede Telecom Project. This project supports the telecommunications utilized by distribution operations.
C6PP256TX0	SBA--Network Switch Refresh 18	The purpose of this project is to capture the capital costs associated with the refresh of out of date telecommunications equipment with new modern equipment in Entergy Texas.
C6PPDWPC8T	2018 Computers Utility ETI	The purpose of this project captures the capital costs associated with the purchase of computers, computer peripherals, and other computer equipment for Utility departments in Texas, including distribution operations.
C6PP076TDR	ETX-DIS-CIP-003 Version 7	The overall purpose of this part of the project is to capture and manage costs associated with NERC Critical Infrastructure Protection version 7 (CIPv7) security controls for Transient Cyber Assets (TCA and Removable Media (RM)). This is a NERC-regulated / mandated effort for which Entergy (including ETI Distribution Operations) must meet and maintain compliance.
C6PP076TTR	ETX-TRA-CIP-003 Version 7	The overall purpose of this part of the project is to capture and manage costs associated with NERC Critical Infrastructure Protection version 7 (CIPv7) security controls for Transient Cyber Assets (TCA and Removable Media (RM)). This is a NERC- regulated / mandated effort for which Entergy (including ETI Distribution Operations) must meet and maintain compliance.

C1PPTDAH1L	DA Release 1 - Hardware Little Rock	The overall purpose of this project is to capture and manage the capital costs associated with the scaling of central hardware in the Little Rock and Jackson Data Centers to secure, manage and route information between devices, SCADA, OMS/DMS, and other back office systems. These data centers house the servers which support Entergy operations in Texas, including distribution operations.
C6PP299TOL	TOL-MW REPLACEMENT 2019	The purpose of this project is to capture the capital costs associated with replacing the critical older analog microwave systems. This equipment is overcapacity or unsupported. This equipment is used to support Entergy operations, including distribution.
C6PP314ETI	2019 U.P. Supply TX000	The purpose of this project is to capture the capital costs associated with the replacement of UPS' (Uninterruptable Power Supplies) that provide backup power to IT Routers & Switches in case of normal power supply loss for access to computer applications for all Entergy operations and employees, including Entergy Texas distribution employees.
C6PP299BEO	WEEKS-MW REPLACEMENT 2019	The purpose of this project is to capture the capital costs associated with replacing the critical older analog microwave systems. This equipment is overcapacity or unsupported. This equipment is used to support Entergy operations, including distribution.
C1PPDR115H	Cust Digital IVR Hardware	The purpose of this project is to capture the capital costs related to the purchase of the computer hardware for the customer digital interactive voice response. This is part of Entergy Utility Operations, including Entergy Texas Distribution Operations', implementation and upgrade of customer-focused digital technology systems to improve its customer service experience and deliver business value.
C6PPWS1353	MCPS Laptops and Monitors Purchase	The purpose of this project is to capture the capital costs associated with the purchase of computers and monitors that are used for general plant/administration purposes.

C6PP299DYT	SAM-MW REPLACEMENT 2019	The purpose of this project is to capture the capital costs associated with replacing the critical older analog microwave systems. This equipment is overcapacity or unsupported. This equipment is used to support Entergy operations, including distribution.
C6PPHBT886	CNO Telecom Furniture	The purpose of this project is to provide workstations to the Telecom group, which support all Entergy operations, including distribution.
C6PP258WDO	WDO Eliminate Leased TDM Services	The purpose of this project was to capture the capital costs related to the replacement of leased TDM services with an internal Entergy net solution along with modern leased services. This includes fiber installation, microwave installations, and installation of state of the art leased solutions including MPLS and SIP trunking. This will also allow for increase to the WAN at several small offices across Entergy territory, including Entergy Texas including its distribution locations.
C6PP301EPL	EPL-Remote Site Infr.Blkt. 2019	The purpose of this project is to capture the capital costs to replace equipment each year that is damaged beyond repair due to power related surges and lightning damage or failure of equipment no longer on a support contract. This equipment is to be used by Entergy Texas employees in the Edison Plaza location, which also houses distribution employees.
C6PP292TEX	ETI - 2019 SIP TRUNKING	The scope of the project would be to identify the sites and circuits capable of supporting Session Initiation Protocol (SIP), prepare the Entergy telecom infrastructure, migrate the sites existing Primary Rate Interface (PRI) to Session Initiation Protocol (SIP), test the connectivity and discount old circuits. This work order covers the cost for the Texas territory, including distribution locations.

C6PP305EPL	EPL Fiber Repl. Mid Level Eq 2019	The purpose of this project is to address aging Non-Backbone Fiber Transport systems (Mid Level Fiber Equipment). This type of fiber equipment provides the regional area transport of information required to operate DOCs (Distribution Operations Centers) in addition to other business operations information. This work order will capture 2019 cost for Edison Plaza Telecom Office. Edison Plaza houses Entergy Texas employees, including distribution employees.
C6PP259WDO	ETI-PBX Replacements Prog. 2018	This project is to upgrade the existing telecom infrastructure at sites due to operational issues that has impacted Entergy's day-to-day business. The existing infrastructure is aging and at end of its life. It has been decided to migrate the PBX's (Nortel, Siemens and Rolm) at locations from the existing solutions to a new platform to reduce operational issues and to prolong the life of the existing infrastructure. This work order will cover the Texas jurisdiction, which includes distribution locations.
C1PPAMHLR1	EAM - R1 Infrastructure LDC	This project captured the capital costs related to Release 1 of Enterprise Asset Management (EAM), specifically building the Electric Distribution & Outage Response software release.
C6PP083SAB	SAB-GTT-FOS-OSI PI Annual Product R	Sent request to WO Originator for additional description...DAR
C1PPLHRHDW	BCG Reliability Hardware Costs	The purpose of this project is to increase the efficiency and capabilities of designing Distribution substations while integrating automation functionality. The scope of this project includes the purchase of hardware necessary to implement a multi-phase Substation Design Automation solution with the first phase the purchase and deployment of the hardware and software and a second phase integration with other existing systems.

C6PP297EPL	ETX-800MHz Radio Coverage 2019	The purpose of this project was to analyze requests of poor or no coverage with the 800MHz Radio system and identify and rank the areas with the greatest need and provide a solution such as a microsite to obtain coverage. This project captures the 2019 cost for the Texas territory, including distribution operations.
C6PP249TX0	TX Corporate Wireless Refresh & Exp	The purpose of this project was to capture the capital costs of replacing end of life wireless controllers/access points and implement virtual controllers and access points and incorporate them into the new solution reducing the required wireless infrastructure. This work is being done at Entergy sites including Entergy Texas distribution sites.
C1PPAMHJR1	EAM - R1 Infrastructure JDC	This project captured the capital costs related to Release 1 of Enterprise Asset Management (EAM), specifically building the Electric Distribution & Outage Response software release.
C6PP309EPL	EPL-Telecom Monitoring Ref. 2019.	The purpose of this project is to capture the capital costs of investigating/evaluating the capability to do system management through the existing Automatic Mapping and Facilities Mangement (AM/FM) application. Utilizing the AM/FM application already in place provides for a management system that is located in one place as opposed to having a system for each type of transport equipment. Also included is the purchase of Tellabs 5320 DACS spares for use in Texas. The project will be performed for the Entergy Texas (ETI) jursidiction, including distribution operations.
C6PPHBT932	Conroe Conference Room Chairs	The purpose of this project is to capture the capital costs associated with the purchase of 10 chairs for the Conroe Service Center. These chairs will be used by distribution employees who are housed at this location.
C6PPHBT219	NVS-Navasota SC Chairs	The purpose of this project is to capture the capital costs associated with the purchase of 4 chairs for the Navasota Service Center. These chairs will be used by distribution employees who are housed at this location.

C6PPW10TX0	ETI-W10-New PC's 2018	The purpose of this project is to transform Entergy's end user computing environment to the latest Windows 10 Operating System solution. This project will revamp the entire asset lifecycle of Entergy's end user computing systems to include process optimization, operational support improvements, and rationalization of desktop management and security tools. All Entergy computers will be updated, including those of distribution employees.
C6PP203WDO	WDO Security Device Remediation	The purpose of this project is to capture the capital costs associated with replacing end-of-life firewalls, proxies, and intrusion prevention systems within the Entergy environment with appropriate supported models. These applications support all Entergy Texas operations and employees, including Entergy Texas distribution operations.
C6PP208EPL	EPL-NW Switch Remediation 2018	The purpose of this project is to replace end of life network hardware at Edison Plaza, where distribution employees are housed. Entergy's layer 2 and layer 3 network switches are not covered under the switch refresh program, a yearly re-fresh effort to replace out-of-warranty and end of life equipment.
C6PP203NVO	NVO Security Device Remediation	The purpose of this project is to capture the capital costs associated with replacing end-of-life firewalls, proxies, and intrusion prevention systems within the Entergy environment with appropriate supported models. These applications support all Entergy operations and employees, including Entergy Texas distribution operations.
C6PP203SBC	SBC Security Device Remediation	The purpose of this project is to capture the capital costs associated with replacing end-of-life firewalls, proxies, and intrusion prevention systems within the Entergy environment with appropriate supported models. These applications support all Entergy operations and employees, including Entergy Texas distribution operations.

C6PP203TOP	TOP Security Device Remediation	The purpose of this project is to capture the capital costs associated with replacing end-of-life firewalls, proxies, and intrusion prevention systems within the Entergy environment with appropriate supported models. These applications support all Entergy operations and employees, including Entergy Texas distribution operations.
C6PPWGP935	SBC Laptop Purchase	The purpose of this project is to capture the capital costs associated with the purchase of computers and monitors that are used for general plant/administration purposes.
C6PP020TXF	TXF-Server Ref. Remediation	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas, including distribution operations.
C6PP019TXF	TXF--SERVER REF & EXP 2018	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers refresh servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas, including distribution operations.
C6PP237ETI	Texas - Infu. Cable Mgmt. Remedi	The purpose of this project is to capture capital costs related to the evaluation of all network closets in the Entergy fleet; including Entergy Texas distribution.
C6PPCRK003	Purchase New Computer for TX SS	The purpose of this project to purchase a new computer for new TX Safety Specialist. The Safety Specialist supports all of Entergy Texas, including Distribution employees.

C6PPTNX812	Chevyland Relay Laptops	The purpose of this project is to capture the capital costs associated with the purchase of new laptops, docking stations, and monitors for new distribution relay employees.
C6PPWGP924	SBC Laptop Purchase	The purpose of this project is to capture the capital costs associated with the purchase of computers and monitors that are used for general plant/administration purposes.
C6PP019TXO	TXO--SERVER REF & EXP	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers yearly refresh servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas distribution operations.
C6PP020TXO	TXO-Server Ref. Remediation	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas distribution operations.
C1PP6DCJ17	CIPv6 Jackson Data Center	This project implements the cyber, personnel, and physical controls required to protect Entergy's Bulk Electric System (BES) Cyber Asset as prescribed by Version 6 of the NERC CIP Standards (CIP-002 through CIP-011). This is a NERC-regulated / mandated effort for which Entergy (including ETI Distribution Operations) must meet and maintain compliance.

C1PP6LRL17	CIPv6 Little Rock Data Center	This project implements the cyber, personnel, and physical controls required to protect Entergy's Bulk Electric System (BES) Cyber Asset as prescribed by Version 6 of the NERC CIP Standards (CIP-002 through CIP-011). This is a regulated / mandated effort for which Entergy (including ETI Distribution Operations) must meet and maintain compliance.
C6PP254WDO	WDO-Security Device Refresh 2018	The purpose of this project is to capture the capital costs associated with replacing end-of-life firewalls, proxies, and intrusion prevention systems within the Entergy environment with appropriate supported models. These applications support all Entergy operations and employees, including Entergy Texas distribution operations.
C6PPHBT839	Edison Plaza 2018 Restack	The purpose of this project is to capture capital costs associated with the redesign and buildout of two floors at Edison Plaza. The affected work area houses Entergy Texas distribution employees.

DCRF Project Number	Project Description	Explanations
C1PPDW0885	Enterprise Analytics	This project captures capital costs related to the enterprise analytics roadmap and implementation strategy. Enterprise analytics proactively uses relevant data and systematic processes to create valuable insights, generate actions to improve operations, and analyze possible future outcomes. It can be used to aid in the planning and strategy process across the entire organization, including distribution.
C1PPGMDL01	SW-Grid Modernization Data Lake	This project captured the capital cost for the grid Modernization data lake; which will provide the initial platform and access to various data sources in support of the Enterprise Asset Management project. The Data Lake will be used to provide the operational and descriptive analytic reporting in support of the Enterprise Asset Management.
C1PPINT059	Application Containerization	This project captures the capital costs to migrate all applications, including those used by distribution, which are currently on Windows Server 2000 and 2003 to a supported container using specialized software where they can be fortified to reduce the security risk to Entergy. This project will also create an Amazon Web Services (AWS) landing zone utilizing an experienced vendor. This will be utilized by all Entergy functions, including distribution.

		<p>hardware, software, and consulting services necessary to implement the Substation Design Automation solution. An Enterprise Business Agreement with Autodesk along with the purchase of the Substation Design Suite (SDS) with Autodesk business partner, Spacial Business Systems (SBS) as the central solution providers will be finalized which leverages them as a partner in the successful implementation of a two-phased solution:</p> <p>Phase 1: Develop and control standards + Deploy New Hardware & Design Software</p> <p>This is the phase for developing base data on which the design automation system will be built.</p> <p>(1) The project develops an accurate Bill of Materials and Equipment standards list. Once the capability is present, the design tools can interact with that data for use in design.</p> <p>(2) Update and organize related equipment drawings for the standard equipment.</p> <p>(3) Develop mapping between the company's standard pieces of equipment and the Retirement Units (RUs) used by other parts of the company for various financial analyses.</p> <p>- Deploy the following products to enable design with modern tools:</p> <p>SDS for Inventor, SDS for Electrical, AutoCAD Electrical, Product Design Manufacturing Collection, Civil 3D, Vault,</p>
C1PP081INT	CBLE-Substation Design Automation	
C1PPSNOINT	Service Now Expansion-2018	<p>This project captures the capital costs associated with purchasing the software for the Service Now platform, to serve all Entergy, including distribution, including distribution, which we currently license.</p>

C1PP274INT	SW - Mainframe Replatforming	<p>This project captures the capital costs associated with replatforming the mainframe computer used by Entergy, which includes distribution. The scope includes the following: Analysis and documentation of all current mainframe programs, databases, storage, scheduling, and interfaces; creation of new Virtual Machine (VM) instances in current VMWare environment and install TmaxSoft software; migration of programs, databases, storages, schedule, and interfaces from mainframe to VM instances; testing of individual programs and end to end solution; tuning of servers and software for optimal performance; and retirement of original mainframe software.</p>
C1PPAMDVSW	EAM - Asset Collection / Validation	<p>This project captured the capital costs related to the verification and correction of asset records. This validation of asset data is part of Enterprise Asset Management (EAM) project. The EAM project seeks to install and integrate systems to manage the asset and replace records of all distribution, gas, and transportation fleet assets. The use of accurate and verified data is essential to the execution of the integrated system installed through the EAM project.</p>

C6PPAMCETI	EAM Conflation - TX	This project captured the capital costs related to the conflation of Entergy Texas's asset records. Conflation is the shifting of data on outdated maps such that it displays as GPS accurately. This validation and subsequent conflation of asset data is part of Enterprise Asset Management (EAM) project. The EAM project seeks to install and integrate systems to manage the asset and replace records of all Distribution, gas, and transportation fleet assets. The use of accurate and verified data is essential to the execution of the integrated system installed through the EAM project.
C1PP285ESI	2019 - UNIX-Linux Ser. and OS Ref.	This project captures capital costs associated with the annual refresh of UNIX and Linux server hardware environments based on a 5-7 year refresh cycle. The scope also includes computing (CPU and Memory) capacity expansion and migration to supported operating systems.
C1PPDYNTRC	2019 Dynatrace License Purchase	This project will capture capital costs related to the expansion of our Application Performance Monitoring (APM) tool, which is software to detect and diagnose complex application performance problems to maintain an expected level of service. This included purchasing and applying several hundred additional licenses.
C1PPX053IN	EndPoint Protection - Software	This project will capture costs associated with software implementation to strengthen endpoint protection on the IT network. The IT network is used by all Entergy functions, including distribution.

C1PP20INT1	Learning Management	This project captured the capital costs to replace the WebTap training application used across the Entergy corporation, including distribution, with the “cloud” based solution.
C1PPEAMGIS	EAM/WFMS - EPOCH GIS Software and L	This project captured the cost related to the software purchase cost and Geospatial Information System data, that allows overlaying and viewing of distribution line facilities.
C1PP283INT	2019 Peoplesoft PUM INT WO	<p>This project captured the capital costs to implement the PeopleSoft Update Manager Program to allow Entergy to take advantage of scheduled PeopleSoft updates and to plan for the People Tools upgrades and infrastructure refreshes, as necessary to maintain a current environment and minimize risk. The program aligned with the following principles: implement a single dominant ERP system, remain on a supported environment and streamline and facilitate end to end processes.</p> <p>Implementing the PeopleSoft Update Manager updates along with upgrading PeopleTools lengthens the life of PeopleSoft and ensures that all PeopleSoft applications include minor updates and enhancements that are available. Using the PeopleSoft Update Manager updates will allow Entergy Texas to tailor the updates and implement bug fixes and patches as needed, or wanted, in the system. These updates enrich the user experience and add new functionality to the systems.</p>

C1PP519INT	Spatial Load Forecasting Platform	This project is to implement an industry adopted load forecasting application to replace the existing manual tool used by Distribution Planning. This application will be used for day-to-day Distribution planning function and scenario planning. In addition, the plan for the tool is to be used in supporting regulatory filings related to distribution. The new application offers many advanced capabilities and pulls from numerous data sources to produce the most accurate models and forecast. With highly accurate models, capital projects will be proposed more effectively to address customer and system issues, to deliver reliable and affordable power to customers
C1PP308S00	SW-Remote Content Filtering for Clo	This project captures the capital costs to replace our current obsolete on site data loss prevention (DLP) software, with a new cloud data loss prevention product that enforces Entergy Texas' policies in a cloud environment. DLP solutions aim to prevent sensitive data and confidential information from being stored, used, or transferred insecurely.
C1PP082INT	Software - TSAT-VSAT	This project will capture the capital costs related to the software costs of implementing Powertech DSA (Dynamic Security Assessment) Tools software that will continuously run transient and voltage stability analysis studies in real time, including procurement of new software licenses, purchase and installation of new servers and related hardware to support the new software, and integration of the tool. This tool will be utilized by all of Entergy, including Entergy Texas Distribution Operations.

C1PP144INN	Rate Admin and Customer Load 2018	The purpose of this project was to automate the data conversion process to get raw billing information into the corporate planning system. The planning system is used by all functions in Entergy, including Distribution.
C1PP294S00	2019 SQL and Oracle Database Refre.	The purpose of this project was to capture the capital costs to maintain selected Entergy databases on a technology platform that is, at least, covered within the extended support offerings of the vendor. These databases are used by all Entergy functions, including Distribution Operations.
C1PPLHRSFW	BCG Reliability Software Costs	The purpose of this project is to increase the efficiency and capabilities of designing Distribution substations while integrating automation functionality. The scope of this project includes the purchase of hardware and software and the contract services necessary to implement a multi-phase Substation Design Automation solution with the first phase the purchase and deployment of the hardware and software and a second phase integration with other existing systems.

C1PPBTA191	RPA: Automation Anywhere	The purpose of this project was to capture the capital costs of implementing a program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PP235INT	HANA 2.0 UPGRADE	The purpose of this project is to capture capital costs associated with upgrades made to Hewlett Packard appliances OS. All databases will be upgraded to HANA 2.0's latest support packs. Separate HANA 2.0 cockpit will be established for DB administration. The systems will be integrated with The systems will be integrated with Solution Manager as required for monitoring. All the GRC systems will be migrated to HANA DB and tested.

C6PP062ETI	TX-15260-FP-Regulatory Rate Develop	The purpose of this project is to capture capital costs associated with updates made to CCS (Customer Care System) due to rate and regulatory mandated changes. Throughout the year, there are numerous CCS rate and regulatory mandated changes that must be made in order to keep the company in compliance with the payment of franchise fees, sales taxes, and other regulatory mandated items. This project implements the monthly regulatory rates for 2019. These are mandatory changes that must be implemented according to schedule in order to comply with regulatory requirements. All departments of Entergy utilize CCS, including Entergy Texas Distribution Operations.
C1PPAMCOS1	EAM- Conflation Software- ESI	The purpose of this project is to capture the capital costs associated with the Enterprise Asset Management (EAM) systems for EAM Conflation and Data Validation. EAM will be an integrated system to manage the asset, renewal, and replacement records of all distribution fleet assets.
C1PP091INT	SW-P2R Database Replatform	The purpose of this project was to capture the capital costs associated with the re-platform the P2R database in order to provide a stable environment and allow for future growth of the application and for the upgrade of Microsoft SQL Server to 2016 and the purchase of 96 additional Microsoft Core SQL Licences. P2R is used by all Entergy functions, including Entergy Texas Distribution Operations.

C1PPU12INT	EDE-myEbusiness Enhancements	associated with implementing functional enhancements into myEBusiness. myEBusiness is for large power billings and this enhancement will provide them a way to pay online and streamline payment receipts. This will benefit Entergy as a whole, including Entergy Texas Distribution
C1PPBTU191	RPA: Utility Operations	The purpose of this project is to capture costs associated with the Robotics Process Automation (RPA) initiative which involves creating software programs to replace manual processes for the Entergy Utility Operations (Ops) Department including distribution ops.
C1PP0INT32	Masking Software	The purpose of this project was to capture capital costs associated with improving Entergy's security posture of its databases. Entergy plans to implement transparent data encryption for databases. This project also implements data masking for non-production databases. This project is applicable to all Entergy databases, including those that serve Entergy Texas Distribution Operations.
C1PP310INT	SW-P2R Server Upgrade and Refresh	The purpose of this project is to capture the capital costs associated with the purchase and installation of 2 maintenance licenses for software on the Development (DEV) servers used for the Plan To Report (P2R) system which serves all Entergy companies and functions including planning and forecasting distribution investments as well as preparation of the Distribution Cost Recovery Factor.

C1PPINT057	Entergy_com Replatform with ZMS	costs to re-platform entergy.com to a cloud-hosted Content Management System (CMS). This will alleviate concerns about known security vulnerabilities with the existing infrastructure, and provide a mobile-friendly browsing experience for customers and stakeholders. This will benefit all of Entergy, including Entergy Texas Distribution Operations.
C1PP088IN3	Project CIRCE 2019	The purpose of this project was to capture the capital costs associated with implementing an enterprise Governance, Risk, and Compliance (eGRC) tool. This tool will help standardize processes across all of Entergy, including Entergy Texas Distribution.
C1PP088IN2	CIRCE Rel 2.1 2018	The purpose of this project was to capture the capital costs associated with implementing an enterprise Governance, Risk, and Compliance (eGRC) tool. This tool will help standardize processes across all of Entergy, including Entergy Texas Distribution.
C1PP266INT	Multi-factor Authentication for Rem	The purpose of this project is to capture the capital costs associated with safeguards against cyber threats, by expanding Multi-Factor Authentication (MFA) for users that travel or require remote access to critical applications. This tool will be used by all Entergy employees who require it, including Entergy Distribution employees.
C1PP021SW1	SW1- Windows 10 Upgrade	The purpose of this project is to capture the capital costs associated with the purchase of the software to support Entergy's move to the Windows10 Operating System.

C1PP119INT	Middleware - Consolidation & API Mg	The purpose of this project is to capture the capital costs of upgrading/migrating integrations from existing platforms to a consolidated platform. The integrations are used by all Entergy functions, including Entergy Texas Distribution.
C1PPAMESRI	EAM/WFMS - ESRI GIS Software an	The purpose of this project is to capture the capital costs related to the purchase of new Geospatial Information System data. This will be used with maps to overlay the location of assets, including distribution assets, for use by Entergy Texas employees.
C1PP021SW2	SW2-Windows 10 Upgrade	The purpose of this project is to capture the capital costs associated with the purchase of the software to support Entergy's move to the Windows10 Operating System.
C1PP032INT	Encryption Software	The purpose of this project was to capture capital costs associated with improving Entergy's security posture of its databases. Entergy plans to implement transparent data encryption for databases. This project will also implement data masking for non-production databases. This project is applicable to all Entergy databases, including those that serve Entergy Texas Distribution Operations.
C1PPBTF191	RPA: Finance	The purpose of this project is to capture costs associated with the Robotics Process Automation (RPA) initiative which involves creating software programs to replace manual processes for the Entergy Finance Department. The Entergy Finance Department supports Entergy Texas Distribution.

C1PP291RL3	SPO-PCI Biannual Prod Rel 3 2019	The purpose of this project is to capture the capital costs associated with the installation, configuration, testing and deployment of PCI Release 3 software that is used for the scheduling and dispatching of Entergy and customer-owned facilities including those tied to the Entergy distribution system.
C1PPTDASWZ	DA - Software Install and Labor	This project captured the capital costs associated with the installation, configuration, testing and deployment of the ITRON Gridscape 2.3 software system to track device deployment as part of the Distribution Automation initiative.
C1PP0INT89	SW-BI Tools Upgrade & Exp. 18 PH 2	The purpose of this project was to capture the capital costs associated with the upgrade of older versions of the Cognos software to the latest versions in multiple phases. Along with the upgrade effort, this project will also enable BI Self-service to give the power of the tool and data in the hands of the business users. Cognos is used by all Entergy employees, including Entergy Texas Distribution employees.
C1PPINT034	Informatica-2018	The purpose of this project was to capture the capital costs of updating the bulk data migration tool in use by all Entergy Functions. The current version is no longer supported by the vendor.

C1PPICX066	15780-ITRON-FCS Upgrade	The purpose of this project was to capture the capital costs related to the upgrade of the application used for electric meter readings to a newer version which is compatible with the Entergy Windows 10 environment. These amounts are not included in the AMS surcharge.
C1PPBTS191	RPA: Supply Chain	The purpose of this project is to capture costs associated with the Robotics Process Automation (RPA) initiative which involves creating software programs to replace manual processes for the Entergy Supply Chain Department. The Supply Chain function supports all Entergy functions, including Entergy Texas Distribution Operations.
C1PP028INT	Corp Privileged Access Mgmt Upg	The purpose of this project was to capture the capital costs associated with the upgrading the Privileged Access Management (PAM) system and will enable Entergy to have the following additional features: Password Change and Generation, Target System Grouping and Detection, Automation, Failsafe Preparation, Managing Access for Non Employees, Audit and Reporting functionality. This program is utilized by all Entergy employees including distribution employees.
C1PP026INT	LCMSM Upgrade_Cleanup	The purpose of this project was to capture the capital costs associated with upgrading the Datacert Passport program. This program is used by all Entergy functions including distribution functions.

C1PPBTE191	RPA: ESS	The purpose of this project is to capture costs associated with the Robotics Process Automation (RPA) initiative which involves creating software programs to replace manual processes for the Entergy Self Services Organization. The Entergy Self Service Organization supports all Entergy functions, including Entergy Texas Distribution Operations.
C1PPCF082Z	Record to Report	The purpose of this project is to capture the costs related to upgrading the current Enterprise Resource Planning (ERP) system, in use by Entergy.
C6PP292ETI	SW-ETI 2019 SIP TRUNKING	The purpose of this project was to capture the capital costs associated with the replacement of the Primary Rate Interface (PRI) and analog trunks connected to the IP-PBX or PBX systems with a centralized architecture using Session Initiation Protocol (SIP) trunks. This system replacement is required to provide reliable customer service and for the continued operation of Entergy's infrastructure.
C1PPLRL331	LRL-Little Rock Data Center	The purpose of this project is to update Splunk (Entergy's event monitoring environment for security threats) by adding additional virtual servers and replacing Splunk's existing unsupported free software to a supported commercial-off-the-shelf software. This software will be used by all Entergy functions including the distribution function.

C1PPBT191	RPA: IT	The purpose of this project is to capture costs associated with the Robotics Process Automation (RPA) initiative which involves creating software programs to replace manual processes for the Entergy Information Technology Organization. The Entergy Information Technology Organization supports all Entergy functions, including Entergy Texas Distribution Operations.
C1PPLRL328	15802-EPOWR_Ent Planned Outage Res	The purpose of this project is to capture the capital costs associated with upgrading several applications which are currently housed on a 2003 server. The 2003 server is being upgraded to a 2016 server to upgrade the old application technology. These applications are being used by all of Entergy, including Entergy Texas Distribution Operations.
C1PP143INT	SW-Validation Process btw BW and P2	The purpose of this project is to capture the capital costs associated with enhancing the monthly validation process to validate that all data (not just Kilowatt hours) are loading correctly between Business Warehouse and the Plan to Results (P2R) Customer Revenue module. P2R is used for all Entergy functions.
C1PP334INT	Microsoft License 2019 True Up	The purpose of this project is to capture capital costs associated with the purchase of additional licenses for new users of Microsoft products. All Entergy employees use Microsoft products.

C1PPS31INT	Certificate Manage Solution 2018	The purpose of this project is to capture the capital costs associated with the changing of the solution for digital certificates for websites and systems. Today, Entergy utilizes a third party entity to issue digital certificates for websites and systems. This third party is no longer going to support the product. Entergy will implement a new solution for this function.
C1PPBTD191	RPA: Incident Resp	The purpose of this project is to capture costs associated with the Robotics Process Automation (RPA) initiative which involves creating software programs to replace manual processes for the Entergy Incident Response Organization. The Entergy Incident Response Organization supports all Entergy functions, including Entergy Texas Distribution Operations.
C1PP291RL1	SPO-PCI Biannual Prod Rel 1 2019	The purpose of this project is to capture the capital costs associated with the installation, configuration, testing and deployment of PCI Release 1 software that is used for the scheduling and dispatching of Entergy and customer-owned facilities including those tied to the Entergy distribution system.

C1PPICS022	SW 15784-FP-Lease Accounting and GU	The purpose of this project is to capture capital costs associated with ensuring Entergy is compliant with external reporting requirements and adheres to internal control procedures critical to safeguarding sensitive employee data. This project will create two new contract approval safeguards in our current Asset Suite application benefitting all companies that use this system, including Entergy Texas distribution operations. Incorporating these controls into the contract approval process will decrease the potential inadvertent exclusion of financial reporting details and foregoing third party vendor assessments.
C1PP234INT	SW--Forward Proxy Replacement	The purpose of this project is to capture the capital costs to replace the current McAfee solution software with a more secure web gateway. The driving force to make this change is two-fold. The McAfee solution is reaching end of support and secondly to provide a secure tool to protect our organization as we become more dependent on the cloud, from the web to social media and mobile networks. The new solutions will be used by all Entergy functions including the distribution function.
C1PP335ESI	15760-Enterprise Mobile Manageme	The purpose of this project is to capture the capital costs to integrate a mobility solution into Entergy's identity management for access control and productivity applications for easy, secure access to corporate Microsoft office tools, content repositories and intranet sites. These new solutions will be used by all Entergy functions including the distribution function.

C1PPMA02SW	MA - Upgrade IPS Logility-2018	The purpose of this project is to capture the capital costs to upgrade the Inventory Planning System (IPS) architecture. This upgrade will combine application functionality on a web-based system that will allow for easier configuration. This system will be used by all Entergy functions including the distribution function.
C1PP267INT	SW-Secure DNS-DHCP-2018	The purpose of this project is to capture the capital costs associated with the installation and configuration of 26 appliances (self-contained server and storage device) to replace our current solution for Domain Name Service (DNS) and Dynamic Host Configuration Protocol (DHCP) and provide maximum security and performance. These system will be used by all Entergy functions including the distribution function.
C1PP090INN	SW-Peoplesoft PUM Upgrade Program	The purpose of this project is to allow entergy to take advantage of scheduled updates to the PeopleSoft systems, as necessary to maintain a current environment and minimize risk. All Entergy functions, including distribution, utilize PeopleSoft as their ERP.
C1PP067ATS	ATOS Workplace Svcs Intelligent Doc	The purpose of this project is to capture the capital costs of the creation of intelligent knowledge documentation as the basis for automation resolution of system errors and customer self-service options. This program will be used by all Entergy functions, including distribution.

C1PPMA8IN3	MA-Project CIRCE 2019	The purpose of this project was to capture the capital costs associated with implementing an enterprise Governance, Risk, and Compliance (eGRC) tool. This tool will help standardize processes across all of Entergy, including Entergy Texas Distribution.
C1PPBTP191	RPA: Power Gen	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PPINT060	SW-Cisco UC Upgrade & Exp 2019	This project will capture the capital costs of upgrading the Corporate Call Manager to share storage for better reliability and future growth. As part of this plan 10 digit dialing will be deployed throughout the Entergy Environment. All functions of Entergy use this function, including distribution.
C1PP291RL2	SPO-PCI Biannual Prod Rel 2 2019	The purpose of this project is to capture the capital costs associated with the installation, configuration, testing and deployment of PCI Release 2 software that is used for the scheduling and dispatching of Entergy and customer owned power generation facilities tied to the Entergy distribution or transmission system.

C1PPBTO182	RPA: SPO	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PPUO038A	Bill Print Vendor Replacement	The purpose of this project is to capture the capital costs to replace the current bill print vendor. Additionally, the solution will: 1) upgrade the billing platform for stability, 2) update the bill print composition software to portability, 3) provide some new self-serve features to the business, and 4) obtain up to date and comprehensive documentation that would support portability in the future. This new program will benefit all Entergy functions, including distribution.
C1PPDCJ331	DCJ-Jackson Data Center	The purpose of this project is to update Splunk (Entergy's event monitoring environment for security threats) by adding additional virtual servers and replacing Splunk's existing unsupported free software to a supported commercial-off-the-shelf software. This software will be used by all Entergy functions including the distribution function.

C1PPMAODLI	Oracle Database Lifecycle Mgmt	The purpose of this project is to capture the capital costs associated with evaluating and delivering the processes and implement Database Lifecycle Management (DBLM) tools. These tools will allow Entergy to enforce standard patterns for deploying Oracle Databases, as well as support the entire lifecycle of an Oracle databases from configuration management , configuration drift, patch management, etc. These databases are used by all Entergy functions, including distribution.
C6PPT57INT	TX - SIP Trunking	The purpose of this project is to capture the capital costs with replacing the time-division multiplexing (TDM) and analog trunks connected to the IP-PBX or private branch exchange (PBX) systems with a centralized architecture using Session Initiation Protocol (SIP) trunks. The tools will be used by all Entergy functions, including distribution.
C1PPLFN331	LFN-Lake Front North	The purpose of this project is to update Splunk (Entergy's event monitoring environment for security threats) by adding additional virtual servers and replacing Splunk's existing unsupported free software to a supported commercial-off-the-shelf software. This software will be used by all Entergy functions including the distribution function.

C1PPBTD182	RPA: Incident Response Jun-Dec 201	The purpose of this project was to capture the capital costs of implementing a program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PP044INT	SW--IT Project Mgmt System Upgrade	The purpose of this project is to capture the capital costs associated with converting the IT Project Management System to Primavera. This will allow for better project coordination and management across Business Units providing better visibility and management of projects. IT Project Management supports all functions at Entergy, including distribution.

C1PPBTS182	RPA SUPPLY CHAIN JUNE - DEC 2018	The purpose of this project was to capture the capital costs of implementing a program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PP336ESI	15759-Digital Rights Management	The purpose of this project is to capture the capital costs to implement an Information Rights Management (IRM or Digital Rights Management/DRM) solution that has the capabilities to protect company information from being printed, forwarded or copied to unauthorized individuals/devices. This program will be used by all Entergy functions, including distribution.

C1PPBTH191	RPA: HR	<p>The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.</p>
C1PPBTU182	RPA:Utility Ops June-Dec. 20	<p>The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.</p>

C1PPFIN182	Finance Robotic Automation 2Q18	The purpose of this project is to capture the capital costs to develop four software scripts using a Robotic Process Automation (RPA) tool called Automation Anywhere to automate existing finance business processes. By creating these software scripts, the efficiency and effectiveness of the finance process which are automated will improve. The Entergy finance department supports all business functions, including distribution.
C1PP24INT5	3 & 4 Qtr SQL & Oracle DB Ref. 18	The purpose of this project was to capture the capital costs to add selected Entergy databases on a technology platform that is, at least, covered within the extended support offerings of the vendor. These databases are used by all Entergy functions, including Distribution Operations.
C1PP072INT	SW-Trans Asset Renewal	This project captures the captures the capital costs to implement a new system to integrate with Entergy's assests and provide timely evaluation of asset health, risk, criticality enable strategic and proactive management decision-making relative to asset maintenance and life cycle management. This tool will be used by Entergy functions, including distribtuion.
C1PP219INT	SW-App. Performance Monitoring	The purpose of this project is to capture the capital costs to implement a system to monitor software which provides automated, rapid root cause diagnostics for application performance issues and develop real-time dashboards/reports for the application operations teams. This tool will be used by multiple Entergy functions, including distribution.

C1PP089INT	SWBI Tools Upgrade & Exp 18 PH1	The purpose of this project was to capture the capital costs associated with the upgrade of older versions of the Cognos software to the latest versions in multiple phases. Along with the upgrade effort, this project will also enable BI Self-service to give the power of the tool and data in the hands of the business users. Cognos is used by all Entergy employees, including Entergy Texas Distribution employees.
C1PPINT054	SW-View Outage Replacement	The purpose of this project is to capture the capital costs to replace the view outage system Entergy currently uses. The view outage system displays customer outages using triangles to summarize outage counts and also displays red lines to indicate circuit's that are out of electricity. This system is used by Entergy Texas Distribution employees to support restoration and outage tracking.
C1PPMA267I	MA-SW-Secure DNS-DHCP-2018	The purpose of this project is to capture the capital costs associated with the installation and configuration of 26 appliances (self-contained server and storage device) to replace our current solution for Domain Name Service (DNS) and Dynamic Host Configuration Protocol (DHCP) and provide maximum security and performance. These system will be used by all Entergy functions including the distribution function.

C1PPF082FN	Finance Reporting	The purpose of the project is to capture the capital costs to upgrade our current financial reporting system. This will allow for us to fully integrate our Enterprise Resource Planning (ERP) solution for the entire system. This program will be used by the Entergy Finance department which supports all Entergy functions, including distribution.
C1PPU13INT	EDE-COLLECT Upgrade	The purpose of this project is to capture the capital costs associated with installing a new technology that is supportable and will integrate with the PeopleSoft systems. These systems are used by all Entergy functions, including distribution.
C1PP019INT	Software Server Ref Exp Prog 2018	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas, including distribution operations.
C1PPMAF082	Record to Report	The purpose of the project is to capture the capital costs to replace the PeopleSoft systems that manage the record to report (General Ledger / Chart of Accounts / Allocations / Automated Account Recs / Financial Close Management) process to integrate with the newly replaced Enterprise Resource Planning (ERP) solution. The ERP is used to support all Entergy functions, including distribution.

C1PP259INT	SW-2018 PBX REPLACEMENT	This project is to upgrade the existing telecom infrastructure at sites due to operational issues that has impacted Entergy's day-to-day business. The existing infrastructure is aging and at end of its life. It has been decided to migrate the PBX's (Nortel, Siemens and Rolm) at locations from the existing solutions to a new platform to reduce operational issues and to prolong the life of the existing infrastructure. This work order will cover the Texas jurisdiction, which includes distribution locations.
C1PPBTE182	RPA: ESS June - Dec. 2018	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PPU51INT	Stakeholder Engagement Mgmt.	The purpose of this project is to capture the capital costs associated with the implementation of the a cloud-based customer resource management (CRM) Software for the Stakeholder Engagement Program. This program will be used by all Entergy functions, including distribution.

C1PPBTI182	RPA:IT June - Dec. 2018	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PP023INT	Cisco UC Upgrade and Capacity Exp.	The purpose of this project is to capture the capital costs to implement an updated corporate call manager cluster. Included in this is the enhanced user experience through single sign-on. These enhancements will add value for the entire Entergy Corporate enterprise, including distribution.
C1PPBTP182	RPA: Power Gen Jun-Dec 2018	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.

C1PP204INT	Software - Alert Enterprise	The purpose of this project is to capture the capital costs associated with the implementation of Alert Enterprise Guardian Logical and Guardian Physical to automate Operational Technology (OT) systems for Critical Infrastructure Protection (CIP) provisions of the current manual processes and physical access. The Guardian Logical system will automate and identify access management. Guardian Physical software will manage will centralize the management of identities of the relationship to organizational roles, responsibilities and maintain physical access. The single enterprise access and provisioning system will maintain, monitor, and revoke access to IT systems and physical access for Entergy. This will be used by all Entergy functions, including distribution.
C1PP034INT	ENT-INFORMATICA 10 UPGRADE	The purpose of this project was to capture the capital costs of updating the bulk data migration tool in use by all Entergy Functions. The current version is no longer supported by the vendor.
C1PPMAP082	MA-Core HR (PR/ESS/MSS/Benefits)	The purpose of the project is to capture the capital costs associated with replacing the core HR (payroll, shared services, benefits) Enterprise Resource Planning (ERP) systems with a latest technology, fully integrated ERP solution. This project will focus on the replacing the core HR systems. The HR function supports all of the Entergy functions, including distribution.

C1PPCF082O	Order to Cash - PeopleSoft Systems Replacement	The purpose of the project is to capture the capital costs to replace the PeopleSoft systems that manages the order to cash process (Accounts Receivable / Billing Treasury / Cash Management) to integrate with the newly replaced Enterprise Resource Planning (ERP) solution. The new system will support all of Entergy's functions, including distribtuion.
C1PPC05INT	EDE-Litigation Hold Automation	The purpose of this project is to capture capital costs to implement automated litigation hold solution. Currently, the litigation hold process (issuing, tracking, and releasing hold letters) is a manual process done through Outlook and managed through an Excel Spreadsheet. This project will automate the process by implementing a legal hold software package that tracks issuance, acknowledgement and the release of hold letters. The Entergy Legal Department supports all functions, including distribution.
C1PP284INT	SW-Ser. Ref. and Exp 2019	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas, including distribution operations.

C1PPINT023	SW - 2019 Server Refresh Rem.	The purpose of this project is to capture the capital costs associated with the server refresh and expansion program. This project covers servers that are out of warranty and consolidating with virtualization where possible. All refreshed servers will use the latest certified version of the appropriate operating system (Windows, ESX, etc.) supported by installed applications. Capacity will also be added to the ESX clusters that require it. These servers support Entergy Texas, including distribution operations.
C1PPF74INT	GTT-FOS-OSI PI Annual Product Relea	The purpose of this project is to capture the capital costs associated with the installation, configuration, testing and deployment of OSI / PI software that is used for real time collection and storing of data and using multiple stored data sets to analyse and forecast time based data associated with Entergy and customer owned power generation facilities tied to the Entergy distribution systems.
C1PP10INT2	ME-WH Mgnt Sys Upgrade Phase II	The purpose of this project is to capture capital costs to upgrade and new implementation of the Warehouse Management System (WMS) that will allow the four T&D Entergy distribution centers (EDC) in Hammond, Little Rock, Beaumont and Jackson to operate using the latest technology to pick, label, receive, put away, issue and ship material on a scheduled basis to the dependent storeroom facilities located in the various geographic areas. This new system will support the distribution function directly.

C1PPBTY182	RPA: Safety	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PPBRT182	RPA: NERC/CIP	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PP073INT	Enterprise Bi-annual Upgrades	The purpose of this project is to capture the capital costs to upgrade the Primavera P6 infrastructure, interfaces, and software components that leverage new capabilities and tools for the benefit of the business customers. This system will be used by all Entergy functions, including distribution.

C1PPBTJ182	RPA: Capital Projects	The purpose of this project was to capture the capital costs of implementing a program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PPBTT191	RPA	The purpose of this project was to capture the capital costs of implementing a program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.

C1PPINT037	FP-Scalable Asset Vision Cld Serv I	The purpose of this project is to capture the capital costs to provide a sustainable, scalable enterprise-wide Software Asset Management (SAM) Tool meeting Entergy's needs, overall strategies and objectives. This project utilizes the Scalable Asset Vision Cloud based product that will provide Entergy with the ability to track, measure and remain compliant with the software entitlements used across Entergy, including distribution, as well as provide End User and Hosting Infrastructure Asset management.
C1PPBTL191	RPA: Legal	The overall purpose of this project is to provide a sustainable, scalable enterprise-wide Software Asset Management (SAM) Tool meeting Entergy's needs, overall strategies and objectives. This initiative will utilize the Scalable Asset Vision Cloud based product that will provide Entergy with the ability to track, measure and remain compliant with the software entitlements used across the Entergy Enterprise, as well as provide End User and Hosting Infrastructure Asset management. The current product is end of life / support therefore requiring a replacement of the current tool set as well as eliminating the manual data manipulation required to maintain software compliance. There will be a reduction of Asset and Software management tool duplication through this program.

C1PP264INT	SW-UNIX-Linux Serv & OS Ref.18	The purpose of this project is to capture capital costs to refresh UNIX and Linux servers. This will keep our application portfolio in a stable and supportable environment. Servers were consolidated and virtualized were also implemented. There servers are used by all Entergy functions, including distribution.
C1PPBTT182	RPA: Jun-Dec 2018	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PP11INT2	SW - Office 365 - Collaboration-2	The purpose of this project is to implement Office 365 and other Microsoft products as part of the new licensing model. These products will be used by all Entergy functions, including distribution.
C1PP011INT	SW - Office 365 - Collaboration	The purpose of this project is to implement Office 365 and other Microsoft products as part of the new licensing model. These products will be used by all Entergy functions, including distribution.
C1PP152INT	SW - Documentum Upgrade	The purpose of this project is to upgrade the Entergy Enterprise Content Management tool to the current version. This program is used by all Entergy functions, including distribution.

C1PP245INT	1 & 2 Qtr SQL & Oracle DB ref. 18	The purpose of this project is to capture the capital costs to refresh the out of date versions of SQL Server and Oracle database management systems to the vendor supported levels. The database systems are used by all Entergy functions, including distribution.
C1PPBTH182	RPA: HR June - Dec. 2018	The purpose of this project was to capture the capital costs of implementing a program program to eliminate manual work of processing transactions and data manipulation to allow more time for analytic decision making to support our stakeholder needs. Automation is a multi-year strategic program where the foundational phase of Robotics Process Automation will focus to relieve the pressure on costs and revenue and to improve quality/speed/scalability. These automation processes will be used by all functions in Entergy, including Entergy Texas Distribution Operations.
C1PPD14216	SQL and Oracle Database Refresh	The purpose of this project is to capture the capital costs to refresh the out of date versions of SQL Server and Oracle database management systems to the vendor supported levels. The database systems are used by all Entergy functions, including distribution.
C1PPID157A	Network Asset and Conf. Mngmt.	The purpose of this project is to capture the capital costs of implementing a tool to provide backup, configuration, change management and inventory control of Entergy's network equipment. This new tool will be utilized by all Entergy functions, including distribution.