

Table 8: Projected versus Reported and Verified Savings for 2015 and 2014 (at the Meter)
(Continued)

2014	Projected Savings		Reported and Verified Savings	
Customer Class and Program	kW	kWh	kW	kWh
Commercial				
Commercial Solutions MTP	834	3,888,000	834	4,445,236
Commercial SOP	3,580	12,539,000	2,803	15,988,200
CoolSaver SM A/C Tune-Up MTP	1,393	3,548,015	1,389	4,364,242
Irrigation Load Management MTP	4,000	192,000	326	652
Load Management SOP	13,760	38,148	22,997	67,384
Open MTP	643	1,987,000	668	2,975,834
SCORE/CitySmart MTP	1,691	5,749,624	1,667	5,296,896
SMART Source SM Solar PV MTP	145	280,000	611	1,176,768
Residential				
A/C Distributor Pilot MTP	248	893,014	289	1,089,371
CoolSaver SM A/C Tune-Up MTP	865	2,877,018	825	3,144,001
High-Performance New Homes MTP	393	1,596,286	435	1,777,564
Residential SOP	5,370	11,750,000	4,829	17,595,431
SMART Source SM Solar PV MTP	125	240,000	122	235,168
Hard-to-Reach				
Hard-to-Reach SOP	1,590	3,480,000	1,328	4,256,719
Targeted Low-Income Energy Efficiency Program	510	1,110,000	683	1,173,567
Total Annual Savings	35,147	50,168,105	39,806	63,587,033

VII. Historical Program Expenditures

This section documents TCC's incentive and administration expenditures for the previous five years (2011-2015) detailed by program for each customer class.

Table 9: Historical Program Incentive and Administrative Expenditures for 2011 through 2015 (000's)

	2015			2014			2013			2012			2011	
	Incent.	Admin		Incent.	Admin		Incent.	Admin		Incent.	Admin		Incent.	Admin
Commercial														
A/C Distributor Pilot MTP	NAP	NAP		NAP	NAP		\$40.76	\$6.08		\$29.94	\$5.32		NAP	NAP
AEP Texas CARE\$ Energy Efficiency for Not-for-Profit Agencies SOP	NAP	NAP		NAP	NAP					\$54.04	\$11.30		\$145.00	\$18.40
Commercial Solutions MTP	\$660.88	\$62.02		\$479.55	\$50.29		\$424.94	\$42.46		\$419.12	\$35.86		\$467.23	\$56.45
Commercial SOP	\$1,675.57	\$178.07		\$1,704.68	\$183.80		\$950.47	\$153.00		\$881.36	\$143.85		\$1,830.61	\$192.01
CoolSaver SM A/C Tune-Up MTP	\$601.34	\$45.73		\$642.34	\$46.69		\$624.27	\$47.61		\$144.76	\$13.93		\$159.00	\$13.18
Irrigation Load Management MTP	NAP	NAP		\$200.00	\$16.65		\$440.00	\$34.78		NAP	NAP		NAP	NAP
Load Management SOP	\$650.20	\$51.71		\$543.00	\$45.03		\$513.29	\$54.38		\$300.00	\$32.33		\$225.98	\$24.38
Load Management SOP - Expanded	NAP	NAP		NAP	NAP		NAP	NAP		\$206.63	\$22.47		NAP	NAP
Open MTP	\$818.94	\$61.45		\$741.21	\$52.54		\$684.76	\$51.66		NAP	NAP		NAP	NAP
SCORE/CitySmart MTP	\$840.09	\$73.65		\$1,026.19	\$86.89		\$911.24	\$75.97		\$905.59	\$70.72		\$610.43	\$39.00
SMART Source SM Solar PV MTP	\$58.56	\$6.41		\$200.01	\$15.15		\$152.14	\$11.20		\$197.18	\$16.71		\$344.97	\$21.67

(Table continued on next page)

Table 9: Historical Program Incentive and Administrative Expenditures for 2011 through 2015 (000's)
(Continued)

	2015			2014			2013			2012			2011		
	Incent.	Admin		Incent.	Admin		Incent.	Admin		Incent.	Admin		Incent.	Admin	
Residential															
A/C Distributor Pilot MTP	NAP	NAP		\$278.05	\$40.25		\$266.43	\$39.77		\$68.07	\$11.73		NAP	NAP	
CoolSaver SM A/C Tune-Up MTP	\$673.27	\$51.20		\$525.36	\$38.18		\$601.41	\$45.95		\$375.08	\$36.09		\$178.91	\$14.84	
Efficiency Connection Pilot MTP	\$67.03	\$4.45		NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
High-Performance New Homes MTP	\$757.64	\$82.07		\$777.07	\$85.08		\$ 730.16	\$79.58		\$797.45	\$90.48		\$671.60	\$73.09	
Residential SOP	\$2,649.88	\$246.42		\$2,626.27	\$263.28		\$2,596.76	\$292.37		\$3,622.65	\$374.20		\$3,712.17	\$375.14	
SMART Source SM Solar PV MTP	\$207.62	\$16.33		\$199.75	\$15.14		\$207.81	\$15.29		\$197.19	\$15.98		\$184.89	\$12.39	
Hard-to-Reach															
Hard-to-Reach SOP	\$922.10	\$97.61		\$950.70	\$85.02		\$950.33	\$96.29		\$1,177.86	\$114.69		\$2,024.93	\$183.43	
Targeted Low-Income Energy Efficiency Program	\$1,270.64	\$98.09		\$1,262.46	\$87.13		\$1,271.58	\$96.69		\$1,267.07	\$93.57		\$1,149.19	\$89.66	
Research and Development (R&D)	NAP	\$332.54		NAP	\$427.12		NAP	\$184.31		NAP	\$389.54		NAP	\$314.13	
Evaluation and Measurement Verification (EM&V)	NAP	\$246.63		NAP	\$305.06		NAP	361.07		NAP	NAP		NAP	NAP	
Total Expenditures	\$11,853.76	\$1,654.36		\$12,156.64	\$1,843.30		\$11,366.35	\$1,688.46		\$10,643.99	\$1,478.77		\$11,704.91	\$1,427.77	

VIII. Program Funding for Calendar Year 2015

As shown in Table 10, the total projected budget in 2015 was \$14,395,591 and the actual total funds expended were \$13,508,113. This is an overall total program expenditure difference of less than 10% from the amount budgeted.

The CS MTP exceeded its budget due to higher than expected LED projects which were paid at a higher incentive rate.

The EffCon Pilot MTP was under budget due to lower than projected results. This was primarily due to the time and scheduling necessary to create and communicate marketing materials to customers.

The commercial component of the PV MTP did not fully utilize its incentive budget during the program year due to lower than expected participation.

The SCORE/CS MTP did not expend its entire budget due to lower than expected participation.

TCC's combined 2015 expenditures for the TLIP and the HTR SOP constituted 17% of its energy efficiency budget for the 2015 Program Year. TCC's 2015 expenditure for the TLIP constituted 10% of its energy efficiency budget for the 2015 Program Year.

Table 10: Program Funding for Calendar Year 2015 (Dollar amounts in 000's)

	Total Projected Budget ³	Numbers of Customers Participating	Actual Funds Expended (Incentives)	Actual Funds Expended (Admin)	Research and Development (R&D)	Evaluation and Measurement Verification (EM&V)	Total Funds Expended
Commercial							
Commercial Solutions MTP	\$564.65	140	\$660.88	\$62.02			\$722.90
Commercial SOP	\$2,014.11	111	\$1,675.57	\$178.07			\$1,853.64
CoolSaver SM A/C Tune-Up MTP	\$662.17	387	\$601.34	\$45.73			\$647.06
Load Management SOP	\$722.44	31	\$650.20	\$51.71			\$701.91
Open MTP	\$881.72	90	\$818.94	\$61.45			\$880.39
SCORE/CitySmart MTP	\$1,051.86	52	\$840.09	\$73.65			\$913.74
SMART Source SM Solar PV MTP	\$222.22	4	\$58.56	\$6.41			\$64.96
Residential							
CoolSaver SM A/C Tune-Up MTP	\$750.00	1,929	\$673.27	\$51.20			\$724.47
Efficiency Connection Pilot MTP	\$166.67	118	\$67.03	\$4.45			\$71.48
High-Performance New Homes MTP	\$850.00	499	\$757.64	\$82.07			\$839.71
Residential SOP	\$2,956.79	4,921	\$2,649.88	\$246.42			\$2,896.30
SMART Source SM Solar PV MTP	\$222.22	21	\$207.62	\$16.33			\$223.95
Hard-to-Reach							
Hard-to-Reach SOP	\$1,059.35	1,428	\$922.10	\$97.61			\$1,019.71
Targeted Low-Income Energy Efficiency SOP	\$1,408.25	317	\$1,270.64	\$98.09			\$1,368.73
Research and Development	\$550.00	NAP	NAP	NAP	\$332.54	NAP	\$332.54
EM&V							
Statewide EM&V Contractor	\$313.13	NAP	NAP	NAP	NAP	\$246.63	\$246.63
Total Expenditures	\$14,395.59	NAP	\$11,853.76	\$1,075.19	\$332.54	\$246.63	\$13,508.11

³ Projected Budget from the EEPR filed April 2015 Project No. 44480.

IX. Market Transformation Program Results

Commercial Solutions MTP

In 2015, TCC projected to acquire 834 kW demand savings from this program. TCC verified and is reporting 1,185 kW. This included participation by 140 customers.

CoolSaverSM MTP

In 2015, TCC projected to acquire 2,410 kW demand savings from this program. TCC verified and reported 2,644 kW. This included participation by 2,316 residential and commercial customers.

Efficiency Connection Pilot MTP

The Efficiency Connection Pilot MTP goal was to acquire 105 kW demand savings and 525,131 kWh in energy savings. A total of 17 kW and 62,004 kWh were achieved in 2015.

High-Performance New Homes MTP (New Homes)

In 2015, 498 high-performance homes were constructed in the New Homes MTP program with a savings of 501 kW. TCC provided continuing education courses and other training opportunities for contractors, homebuilders, home energy raters, and HVAC contractors on the advantages of High-Performance and ENERGY STAR homes and building practices. The training included various aspects of building efficient homes, from construction and measure installation, to the importance of whole-house energy efficiency.

Open MTP

In 2015, TCC projected to acquire 676 kW demand savings from this program. TCC verified and is reporting 679 kW. The savings were achieved with 90 small commercial customers and 5 participating contractors.

SCORE/CitySmart MTP

In 2015, TCC projected to acquire 1,691 kW demand savings from this program. TCC verified and is reporting 1,333 kW. This included participation by 52 customers. To date, the program has benchmarked 842 facilities for 30 school districts, and 9 government customers.

SMART SourceSM Solar PV MTP

The 2015 PV MTP projected to acquire 291 kW in demand savings and 562,000 kWh in energy savings from the residential and non-residential components. A total of 25 residential and non-residential solar PV projects were completed within the program, resulting in a peak demand reduction of 1,174 kW and 2,262,386 kWh of energy savings.

X. Administrative Costs and Research and Development

Administrative Costs

Administrative costs incurred by TCC to meet its energy efficiency goals and objectives include, but may not be limited to, energy efficiency employees' payroll, marketing costs associated with regulatory filings, and EM&V costs outside of the actual cost associated with the EM&V contractor. Any portion of these costs which are not directly assignable to a specific program are allocated among the programs in proportion to the program incentive costs.

Program Research and Development

R&D activities are intended to help TCC meet future energy efficiency goals by researching new technologies, program options and developing better, more efficient ways to administer current programs. The following is a summary of TCC's R&D activities for 2015.

TCC dedicated resources in 2015 to develop a new electronic data collection and management system for current programs. In addition, TCC participated with Electric Utility Marketing Managers of Texas (EUMMOT) in researching potentially new deemed savings measures for various programs.

Informational Activities

TCC continues its best efforts to encourage and facilitate the involvement of REPs and EESPs in the delivery of its programs to customers. TCC utilizes local, regional and national conferences, trade shows, and other events for outreach and information exchange with participating REPs and EESPs. TCC again disbursed program information at its annual AEP Texas Competitive REP

workshop in September 2015. TCC provides new and existing energy efficiency program information to the REPs and EESPs throughout the year on a timely basis via e-mail distribution.

XI. 2016 Energy Efficiency Cost Recovery Factor (EECRF)

The total amount approved to be collected through TCC's 2016 EECRF is \$8,882,673, which consists of the following components:

- recovery of \$6,924,634 in energy efficiency expenses budgeted for Program Year 2016 (TCC's actual projected budget for energy efficiency expenses for Program Year 2016 is \$14,082,459, which is reduced by \$6,334,949 in energy efficiency costs expressly included in base rates and \$822,876 of load growth);
- recovery of a performance bonus in the amount of \$2,835,621 for achieving energy efficiency goals in Program Year 2014;
- return to customers \$1,079,195 in energy efficiency program costs over-collected through TCC's EECRF in Program Year 2014;
- recovery of \$182,785 in EM&V costs for evaluation of Program Year 2015; and
- recovery of \$18,828 for 2014 EECRF proceeding expenses incurred in Docket No. 42508 by municipalities as authorized by 16 TAC § 25.181(f)(3)(B).

Table 11: 2016 EECRF

Customer Class	EECRF
Residential Service	\$0.000554 per kWh
Secondary Service (less than or equal to 10 kW)	\$0.000357 per kWh
Secondary Service (greater than 10 kW)	\$0.000458 per kWh
Primary Service	\$0.000253 per kWh
Transmission Service	(\$0.000125) per kWh

XII. 2015 EECRF Summary

2015 Collections for Energy Efficiency

TCC collected \$7,213,146 through its 2015 base rates, including \$6,334,949 expressly included in base rates and an adjustment for load growth in the amount of \$878,197, and \$10,392,970 through its 2015 EECRF for a total of \$17,606,116. A performance bonus of \$4,595,235 for exceeding its 2013 energy efficiency goals and \$1,752,047 returned to customers are reflected in TCC's total amount collected for energy efficiency in 2015.

Energy Efficiency Program Costs Expended

TCC expended a total of \$13,508,113 for its 2015 energy efficiency programs. The amount expended is \$887,478 less than TCC's 2014 projected budget of \$14,395,591 for energy efficiency program.

Over-Recovery of Energy Efficiency Costs

TCC's actual 2015 energy efficiency program costs (including EM&V costs) less municipal rate case expenses are \$13,502,486 and actual energy efficiency program revenues are \$7,549,782. These associated 2015 costs and revenues result in an over-recovery of energy efficiency costs of \$1,260,443. This is the amount that TCC will request be returned to customers within its 2017 EECRF.

XIII. Underserved Counties

TCC has defined Underserved Counties as any county in the TCC service territory for which TCC reported no demand or energy savings through any of its 2015 SOPs or MTPs. Per 16 TAC § 25.181(n)(2)(U), a list of the Underserved Counties is as follows:

Caldwell	Guadalupe	McMullen
Dewitt	Kenedy	Real
Edwards	Live Oak	Wilson
Gonzales	Medina	

XIV. Performance Bonus

TCC achieved a 43,775 kW reduction in peak demand from its energy efficiency programs offered in 2015. TCC's demand reduction goal for 2015 was 12,930 kW. This achievement represents 339% of its 2015 demand reduction goal. TCC also achieved energy savings of 68,482,227 kWh, which represents 302% of its 2015 energy goal of 22,653,000 kWh. These results qualify TCC for a Performance Bonus. Per 16 TAC § 25.181(h), TCC is eligible for a Performance Bonus of \$3,461,676, which it will request within its June 1, 2016 EECRF Filing for recovery in 2017.

In 2015, TCC's total spending on energy efficiency programs was \$13,508,113. This includes actual EM&V expenditures to the EM&V contractor of \$246,631. Per the PUCT, the total program costs to be used in the performance bonus calculation should include the EM&V cost allocation provided by the EM&V contractor for Program Year 2015, instead of the actual EM&V contractor expenditures. As a result, the total program expenditures for the bonus calculation will not match the actual total program expenditures exhibited in the applicable tables in this EEPR. For the purposes of the performance bonus calculation, TCC's 2015 total program costs equaled \$13,706,310.

Table 12: Energy Efficiency Performance Bonus Calculation for 2015

	kW	kWh
2015 Goals	12,930	22,653,000
2015 Savings		
<i>Reported/Verified Total (including HTR and measures with <10yr EUL)</i>	43,775	68,482,227
<i>Reported/Verified Hard-to-Reach</i>	1,858	
2015 Program Costs	\$13,706,310	
2015 Performance Bonus	\$3,459,596	

Performance Bonus Calculation

339%	Percentage of Demand Reduction Goal Met (Reported kW/Goal kW)
302%	Percentage of Energy Reduction Goal Met (Reported kWh/Goal kWh)
TRUE	Met Requirements for Performance Bonus?
\$48,302,273	Total Avoided Cost (Reported kW * PV(Avoided Capacity Cost) + Reported kWh * PV(Avoided Energy Cost))
\$13,706,310	Total Program Costs
\$34,595,962	Net Benefits (Total Avoided Cost - Total Expenses)

Bonus Calculation

\$41,265,557	Calculated Bonus ((Achieved Demand Reduction/Demand Goal - 100%) / 2) * Net Benefits
\$3,459,596	Maximum Bonus Allowed (10% of Net Benefits)
\$3,459,596	Bonus (Minimum of Calculated Bonus and Bonus Limit)

Acronyms

CSOP	Commercial Standard Offer Program
CS MTP	Commercial Solutions Market Transformation Program
DR	Demand Response
DSM	Demand Side Management
EECRF	Energy Efficiency Cost Recovery Factor
EEPR	Energy Efficiency Plan and Report
EE Rule	Energy Efficiency Rule, 16 TAC §§ 25.181 and 25.183
EESP	Energy Efficiency Service Providers
EffCon	Efficiency Connection Pilot Market Transformation Program
EUMMOT	Electric Utility Marketing Managers of Texas
HTR	Hard-To-Reach
HTR SOP	Hard-to-Reach Standard Offer Program
LM SOP	Load Management Standard Offer Program
MTP	Market Transformation Program
NAP	Not Applicable
New Homes	High-Performance New Home Market Transformation Program
Open	Open Market Transformation Program

Acronyms (Continued)

PUCT	Public Utility Commission of Texas
PURA	Public Utility Regulatory Act
PV	Photovoltaic
PV MTP	SMART Source SM Solar PV Market Transformation Program
R&D	Research and Development
REP	Retail Electric Provider
RES	Residential
RSOP	Residential Standard Offer Program
SCORE	Schools Conserving Resources
SCORE/CS MTP	SCORE/CitySmart Market Transformation Program
SOP	Standard Offer Program
TCC	AEP Texas Central Company
TDU	Transmission and Distribution Utility
TLIP	Targeted Low-Income Energy Efficiency Program
TRM	Texas Technical Reference Manual

APPENDIX A:

REPORTED AND VERIFIED DEMAND AND ENERGY REDUCTION BY COUNTY

CALENDAR YEAR 2015

COMMERCIAL SOLUTIONS MTP

County	Reported and Verified Savings	
	kW	kWh
Aransas	72.25	215,875
Brooks	2.30	14,110
Calhoun	36.82	167,432
Cameron	21.63	151,378
Dimmit	18.16	115,493
Hidalgo	371.32	2,017,124
Jackson	0.38	2,494
Jim Wells	1.42	7,750
Kleberg	41.62	244,877
Matagorda	12.09	78,469
Nueces	504.94	3,142,733
San Patricio	75.04	403,937
Victoria	2.02	13,109
Webb	12.17	77,937
Wharton	4.64	29,437
Willacy	2.22	15,263
Zapata	5.59	21,753
Total	1,184.61	6,719,171

COMMERCIAL SOP

County	Reported and Verified Savings	
	kW	kWh
Aransas	131.26	1,066,966
Atascosa	9.99	48,541
Bee	65.55	425,973
Cameron	265.58	1,409,754
Dimmit	3.94	13,083
Hidalgo	335.79	2,087,154
Jim Wells	51.96	221,875
Karnes	3.57	12,586
Kleberg	100.33	698,500
Maverick	9.96	47,086
Nueces	784.10	6,125,648
Refugio	18.11	154,571
San Patricio	154.26	1,019,262
Starr	11.66	76,356
Uvalde	0.51	4,542
Val Verde	29.20	191,265
Webb	183.95	1,140,085
Willacy	54.00	207,171
Zavala	18.89	86,251
Total	2,232.61	15,036,669

COOLSAVERSM A/C TUNE-UP MTP

County	Reported and Verified Savings	
	kW	kWh
Aransas	20.50	60,839
Bee	0.91	1,993
Cameron	442.21	1,152,885
Hidalgo	1,372.00	5,214,030
Kinney	2.8	8,789
Kleberg	12.32	38,915
Maverick	335.08	1,107,655
Nueces	335.48	1,117,954
Refugio	2.02	6,259
San Patricio	16.66	47,296
Starr	49.09	152,622
Uvalde	2.55	8,495
Val Verde	52.11	183,822
Total	2,643.73	9,101,554

Efficiency Connection MTP

County	Reported and Verified Savings	
	kW	kWh
Aransas	1.22	4,241
Atascosa	0.17	904
Bee	0.19	1,017
Calhoun	0.35	1,228
Cameron	2.74	9,533
Colorado	0.13	653
Duval	0.05	166
Hidalgo	2.98	10,376
Jackson	0.12	620
Kleberg	0.19	665
Matagorda	0.30	1,575
Maverick	0.21	1,122
Nueces	5.03	17,524
Refugio	0.20	699
San Patricio	1.12	3,907
Val Verde	0.26	1,346
Victoria	0.27	1,432
Webb	0.73	2,532
Wharton	0.14	754
Willacy	0.14	492
Zapata	0.35	1,218
Total	16.89	62,004

HARD-TO-REACH SOP

County	Reported and Verified Savings	
	kW	kWh
Aransas	12.86	50,020
Atascosa	0.83	1,426
Brooks	2.54	11,348
Cameron	205.31	745,889
Dimmit	69.96	322,470
Duval	11.65	36,010
Frio	107.60	407,450
Hidalgo	345.10	1,346,819
Jim Hogg	3.15	15,013
Jim Wells	72.35	265,685
Kleberg	2.87	11,214
Maverick	4.46	23,290
Nueces	330.14	1,056,952
San Patricio	3.77	14,001
Starr	3.09	14,455
Victoria	26.12	87,282
Webb	22.26	46,821
Total	1,224.06	4,456,145

HIGH-PERFORMANCE NEW HOMES MTP

County	Reported and Verified Savings	
	kW	kWh
Aransas	41.81	144,780
Cameron	3.49	13,983
Goliad	0.48	1,338
Hidalgo	95.74	422,435
Nueces	281.04	1,038,108
Refugio	3.15	10,277
San Patricio	71.68	258,250
Victoria	1.77	5,250
Webb	2.19	9,538
Total	501.35	1,903,959

LOAD MANAGEMENT SOP

County	Reported and Verified Savings	
	kW	kWh
Cameron	2,656.93	2,657
Hidalgo	7,479.00	7,479
Matagorda	870.05	870
Nueces	2,032.50	2,033
Refugio	1,183.75	1,184
San Patricio	7,671.32	7,671
Victoria	3,593.82	3,594
Webb	1,192.32	1,192
Willacy	737.96	738
Total	27,417.65	27,418

OPEN MTP

County	Reported and Verified Savings	
	kW	kWh
Cameron	23.50	150,756
Hidalgo	622.88	2,745,561
Nueces	11.57	54,025
Webb	13.58	57,126
Willacy	7.95	52,052
Total	679.48	3,059,520

RESIDENTIAL SOP

County	Reported and Verified Savings	
	kW	kWh
Aransas	68.03	212,700
Atascosa	11.22	35,128
Brooks	7.48	17,364
Calhoun	20.14	84,917
Cameron	490.29	1,854,912
Colorado	22.24	84,416
Dimmitt	87.77	344,996
Duval	42.26	161,063
Frio	44.25	147,688
Hidalgo	1,403.81	5,955,391
Jackson	8.24	33,521
Jim Hogg	1.44	1,882
Jim Wells	117.46	431,112
Kleberg	156.53	466,957
La Salle	2.41	7,857
Matagorda	27.51	125,973
Maverick	88.93	429,864
Nueces	1,255.65	4,104,606
San Patricio	311.80	1,164,460
Starr	49.47	195,484
Uvalde	12.43	53,856
Val Verde	2.82	15,561
Victoria	287.69	803,037
Webb	145.00	450,776
Wharton	6.75	24,923
Zavala	62.87	257,314
Total	4,734.49	17,465,758

SCORE/CITYSMART MTP

County	Reported and Verified Savings	
	kW	kWh
Hidalgo	509.49	2,249,846
Nueces	556.32	2,768,609
Val Verde	39.24	257,043
Webb	227.73	1,883,609
Total	1,332.78	7,159,107

SMART SOURCESM SOLAR PV MTP

County	Reported and Verified Savings	
	kW	kWh
Atascosa	3.04	5,856
Cameron	13.60	26,208
Duval	9.26	17,856
Frio	4.32	8,320
Goliad	3.32	6,400
Hidalgo	1,042.60	2,009,826
Jim Wells	14.19	27,360
Maverick	8.47	16,320
Nueces	22.44	43,248
Webb	52.39	100,992
Total	1,173.61	2,262,386

TARGETED LOW-INCOME ENERGY EFFICIENCY PROGRAM

County	Reported and Verified Savings	
	kW	kWh
Calhoun	99.35	167,030
Cameron	214.42	389,644
Dimmit	13.28	37,041
Duval	1.12	4,181
Goliad	29.91	43,069
Hidalgo	66.00	153,824
Jim Wells	2.26	5,034
Kinney	0.71	2,074
Kleberg	1.45	3,644
La Salle	61.81	84,364
Matagorda	24.88	65,825
Maverick	8.48	16,057
Nueces	15.27	37,835
Refugio	0.73	4,047
San Patricio	2.22	4,359
Starr	23.10	56,081
Uvalde	11.91	22,715
Val Verde	31.20	64,533
Victoria	1.53	4,015
Webb	12.52	29,751
Willacy	1.40	6,601
Zavala	9.94	26,811
Total	633.49	1,228,536

APPENDIX B:

PROGRAM TEMPLATES

TCC does not have any Program Templates to report this year.

APPENDIX C:

EXISTING CONTRACTS OR OBLIGATIONS

TCC has no Existing Contracts or Obligations documentation to provide.

APPENDIX D:

OPTIONAL SUPPORT DOCUMENTATION

TCC has no Optional Supporting Documentation to provide.

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule A

2017	Incentives	Admin	R&D	Total
Commercial				
	Commercial Solutions MTP	\$508,500	\$56,500	\$565,000
	Commercial SOP	\$1,813,500	\$201,500	\$2,015,000
	CoolSaver AC Tune-up MTP	\$596,700	\$66,300	\$663,000
	Load Management SOP	\$650,700	\$72,300	\$723,000
	SCORE/CitySmart MTP	\$946,800	\$105,200	\$1,052,000
	SMART Source SM Solar PV MTP	\$204,000	\$22,667	\$226,667
	Open MTP	\$793,800	\$88,200	\$882,000
Residential				
	Efficiency Connection Pilot MTP	\$150,300	\$16,700	\$167,000
	Earth Networks Residential DR Pilot MTP	\$150,300	\$16,700	\$167,000
	Reliant Residential DR Pilot MTP	\$5,040	\$560	\$5,600
	High Performance New Homes MTP	\$765,000	\$85,000	\$850,000
	CoolSaver AC Tune-Up MTP	\$675,000	\$75,000	\$750,000
	Residential SOP	\$2,661,300	\$295,700	\$2,957,000
	SMART Source SM Solar PV MTP	\$204,000	\$22,667	\$226,667
Hard-to-Reach				
	Hard-to-Reach SOP	\$953,460	\$105,940	\$1,059,400
	Targeted Low-Income Energy Efficiency Program	\$1,267,200	\$140,800	\$1,408,000
Research and Development (R&D)				
	R&D Programs		\$365,125	\$365,125
	EM&V		\$0	\$0
Total Energy Efficiency Program Revenue Requirement		\$12,345,600	\$1,371,734	\$14,082,459

2017	Incentives	Admin	R&D	EM&V	Total
Commercial					
	Commercial Solutions MTP	\$508,500	\$56,500		\$565,000
	Commercial SOP	\$1,813,500	\$201,500		\$2,015,000
	CoolSaver AC Tune-up MTP	\$596,700	\$66,300		\$663,000
	Load Management SOP	\$650,700	\$72,300		\$723,000
	SCORE/CitySmart MTP	\$946,800	\$105,200		\$1,052,000
	SMART Source SM Solar PV MTP	\$204,000	\$22,667		\$226,667
	Open MTP	\$793,800	\$88,200		\$882,000
Residential					
	Efficiency Connection Pilot MTP	\$150,300	\$16,700		\$167,000
	Earth Networks Residential DR Pilot MTP	\$150,300	\$16,700		\$167,000
	Reliant Residential DR Pilot MTP	\$5,040	\$560		\$5,600
	High Performance New Homes MTP	\$765,000	\$85,000		\$850,000
	CoolSaver AC Tune-Up MTP	\$675,000	\$75,000		\$750,000
	Residential SOP	\$2,661,300	\$295,700		\$2,957,000
	SMART Source SM Solar PV MTP	\$204,000	\$22,667		\$226,667
Hard-to-Reach					
	Hard-to-Reach SOP	\$953,460	\$105,940		\$1,059,400
	Targeted Low-Income Energy Efficiency Program	\$1,267,200	\$140,800		\$1,408,000
Research and Development (R&D)					
	R&D Programs	\$0	\$365,125	\$0	\$365,125
	EM&V		\$0	\$0	\$0
Total Energy Efficiency Program Revenue Requirement		\$12,345,600	\$1,371,734	\$0	\$14,082,459

**AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule A**

2017	Res	Sec < 10	Sec > 10	Primary
Commercial				
	Commercial Solutions MTP	x	x	x
	Commercial SOP	x	x	x
	CoolSaver AC Tune-up MTP	x	x	x
	Load Management SOP	x	x	x
	SCORE/CitySmart MTP	x	x	x
	SMART Source SM Solar PV MTP	x	x	x
	Open MTP	x	x	x
Residential				
	Efficiency Connection Pilot MTP			
	Earth Networks Residential DR Pilot MTP			
	Reliant Residential DR Pilot MTP			
	High Performance New Homes MTP			
	CoolSaver AC Tune-Up MTP			
	Residential SOP			
	SMART Source SM Solar PV MTP			
Hard-to-Reach				
	Hard-to-Reach SOP			
Research and Development (R&D)				
	Targeted Low-Income Energy Efficiency Program			
	R&D Programs			
	EM&V			
Total Energy Efficiency Program Revenue Requirement				

2017	Res	Sec < 10	Sec > 10	Primary	Total
Commercial					
	Commercial Solutions MTP	0.5373	0.0180	0.3321	1.0000
	Commercial SOP			0.0925	1.0000
	CoolSaver AC Tune-up MTP		0.0389	0.7611	1.0000
	Load Management SOP			0.2081	1.0000
	SCORE/CitySmart MTP		0.0486	0.9514	1.0000
	SMART Source SM Solar PV MTP		\$21,951	\$430,031	\$565,000
	Open MTP		\$78,285	\$1,533,651	\$2,015,000
Residential					
	Efficiency Connection Pilot MTP		\$32,199	\$630,801	\$663,000
	Earth Networks Residential DR Pilot MTP			\$572,531	\$723,000
	Reliant Residential DR Pilot MTP			\$800,695	\$1,052,000
	High Performance New Homes MTP		\$40,871	\$172,520	\$226,667
	CoolSaver AC Tune-Up MTP		\$8,806	\$839,165	\$882,000
	Residential SOP				
	SMART Source SM Solar PV MTP				
Hard-to-Reach					
	Hard-to-Reach SOP				
Research and Development (R&D)					
	Targeted Low-Income Energy Efficiency Program				
	R&D Programs				
	EM&V				
Total Energy Efficiency Program Revenue Requirement					
	Cost less EM&V	\$7,786,861	\$231,510	\$5,107,971	\$14,082,459
	2017 Program Cost	\$7,786,861	\$231,510	\$5,107,971	\$14,082,459
	Alloc	55.2948%	1.6440%	36.2719%	100.0000%

TCC 2015 YE Program Results

	Incentives					Admin			Total
	Sec <= 10	Sec > 10	Prim	Res	Total	Sec <= 10	Sec > 10	Prim	
Commercial Programs									
Irrigation LM MTP									5,951.38
A/C Distributor Pilot MTP									0.00
ComSol MTP	49,358.14	470,240.74	141,277.03		660,875.91	4,631.99	44,129.54	13,258.08	62,019.62
CSOP	49,420.55	1,448,116.72	178,034.67		1,675,571.94	5,252.17	153,898.76	18,920.65	178,071.58
CoolSaver	39,588.29	551,728.72	10,019.29		601,336.30	3,010.26	41,953.00	761.86	45,725.12
LM SOP	0.00	339,846.00	310,355.00		650,201.00	0.00	27,027.55	24,682.17	51,709.72
Open MTP	32,794.16	786,148.48	0.00		818,942.64	2,460.69	58,988.27	0.00	61,448.96
SCORE/CS MTP	50,715.19	493,301.81	296,071.88		840,088.88	4,445.97	43,245.53	25,935.28	73,646.78
SMART Source MTP - Comm	0.00	28,099.13	30,456.33		58,555.46	0.00	3,075.42	3,333.42	6,408.84
Total Commercial	221,876.33	4,117,481.60	966,214.20	0.00	5,305,572.13	19,801.09	372,318.08	86,911.46	479,030.63
Residential Programs									
Efficiency Connection Pilot MTP									
CoolSaver				67,029.02	67,029.02				4,449.15
HP NH				673,272.29	673,272.29				51,195.07
RSOP				757,638.35	757,638.35				82,069.51
SMART Source MTP - Res				2,649,882.67	2,649,882.67				246,418.60
Total Residential				207,618.36	207,618.36				16,328.97
Hard-to-Reach Programs									
HTR SOP				4,355,440.69	4,355,440.69				400,461.31
TLIEEP				922,102.07	922,102.07				97,608.79
Total HTR				1,270,641.06	1,270,641.06				98,090.63
Total Programs	221,876.33	4,117,481.60	966,214.20	6,548,183.82	11,853,755.95	19,801.09	372,318.08	86,911.46	596,160.73
	4.18%	77.61%	18.21%		100%				1,075,191.36
	1.87%	34.74%	8.15%	53.24%	100%				
Research & Development									
R&D - CCET									
R&D - SMART View IHD									
R&D - Programs									
R&D - EM&V									
Total R&D									
Total									

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule C

TCC

WP Schedule C (2015 Costs)

	Total			R&D			Res			Total		
	Sec < 10	Sec > 10	Total	Prim	Sec < 10	Sec > 10	Prim	Sec < 10	Sec > 10	Prim	Sec < 10	Sec > 10
Commercial Programs												
Irrigation LM MTP	0.00	0.00	0.00								0.00	
A/C Distributor Pilot MTP	0.00	0.00	0.00								0.00	
ComSol MTP	53,990.14	514,370.28	154,535.11								722,895.53	
CSOP	54,672.72	1,602,015.48	196,955.32								1,853,643.52	
CoolSaver	42,598.55	593,681.72	10,781.15								647,061.42	
LM SOP	0.00	366,873.55	335,037.17								701,910.72	
Open MTP	35,254.85	845,136.75	0.00								880,391.60	
SCORE/CS MTP	55,161.16	536,547.33	322,027.16								913,735.66	
SMART Source Pilot MTP - Comm	0.00	31,174.56	33,789.75								64,964.30	
Total Commercial	241,677.43	4,489,799.67	1,053,125.66								5,784,602.76	
Residential Programs												
A/C Distributor Pilot MTP	0.00	0.00	0.00								71,478.17	
CoolSaver	0.00	0.00	0.00								724,467.36	
HP NH	0.00	0.00	0.00								839,707.86	
RSOP	0.00	0.00	0.00								2,896,301.27	
SMART Source Pilot MTP - Res	0.00	0.00	0.00								223,947.33	
Total Residential	0.00	0.00	0.00								4,755,902.00	
Hard-to-Reach Programs												
HTR SOP	0.00	0.00	0.00								1,019,710.86	
TLI EEP	0.00	0.00	0.00								1,368,731.69	
Total HTR	0.00	0.00	0.00								2,388,442.56	
Total Programs	241,677.43	4,489,799.67	1,053,125.66								12,928,947.31	
Research & Development												
R&D - CCET											0.00	
R&D - SMART View IHD											0.00	
R&D - Programs											332,535.12	
R&D - EM&V											222,262.53	
Total R&D											554,797.65	
Total											13,483,744.96	

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule C

	Sec < 10	Sec > 10	Prim	Res	Trans	Lighting	Total
2014 Program Costs							
2015 Incentives	221,876.33	4,117,481.60	966,214.20	6,548,183.82	0.00	0.00	11,853,755.95
2015 Administrative + RCF paid in 2015	19,801.09	372,318.08	86,911.46	596,160.73	0.00	0.00	1,075,191.36
2015 R&D + EM&V	9,057.79	168,090.36	39,444.31	338,205.17	0.00	0.00	554,797.65
	250,735.22	4,657,890.03	1,092,569.98	7,482,549.73	0.00	0.00	13,483,744.96
Municipal RCE 2015	105.33	1,954.58	458.67	3,108.45	0.00	0.00	5,627.03
2015 Total	250,629.89	4,655,935.45	1,092,111.31	7,479,441.28	0.00	0.00	13,478,117.93
2015 Incentives	1.87%	34.74%	8.15%	55.24%	0.00%	0.00%	100.00%
2015 Administrative	1.84%	34.63%	8.08%	55.45%	0.00%	0.00%	100.00%
2015 Total	1.86%	34.54%	8.10%	55.49%	0.00%	0.00%	100.00%
EE Costs Expressly in Base	114,088	1,957,962	675,491	3,024,435	562,892	81	6,334,949
Base Revenue Adjustment	9,199	351,211	-19,740	519,310	18,297	-81	878,197
Total Base EE	123,287	2,309,174	655,751	3,543,745	581,190	0	7,213,146
2015 Program Costs	250,630	4,655,935	1,092,111	7,479,441	0	0	13,478,118
2013 Over Recovery	(\$128,944)	(\$1,342,362)	\$199,423	(\$480,165)	0	\$0	(\$1,752,047)
2013 Bonus	43,064	1,533,351	340,648	2,678,172	0	0	4,595,235
Total 2015 Cost	164,750	4,846,925	1,632,183	9,677,448	0	0	16,321,306
Costs in excess of Base	\$41,463	\$2,517,751	\$976,432	\$6,133,703	(\$581,190)	\$0	\$9,689,349
Total EECRF Rider Revenues	\$65,539	\$3,263,668	\$805,016	\$6,828,035	(\$569,287)	\$0	\$10,392,970
2015 (over)/under collection	(\$24,076)	(\$725,917)	\$171,416	(\$694,332)	(\$11,902)	\$0	(\$1,284,811)
TCC							
Sec < 10			Prim	Res			Total
2015 Program Costs	250,630	4,655,935	1,092,111	7,479,441	0	0	13,478,117.93
Base	123,287	2,309,174	655,751	3,543,745	581,190	0	7,213,146.36
2015 EECRF Program Revenue	151,419	3,072,678	264,944	4,630,028	-569,287	0	7,549,782.29
Total Adj Base EE + EECRF Program Revenue	274,706	5,381,852	920,695	8,173,774	11,902	0	14,762,928.65
(over)/under recovery	(\$24,076)	(\$725,917)	\$171,416	(\$694,332)	(\$11,902)	\$0	(\$1,284,811)

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule C

	Sec < 10	Sec > 10	Prim	Res	Total
EM&V 2015	1.87%	34.74%	8.15%	\$5,246	100.00%
DN 44717 Muni Expenses	\$4,160	\$77,204	\$18,117	\$122,781	\$222,263
	\$105	\$1,955	\$459	\$3,108	\$5,627
Total	4,265.60	79,158.96	18,575.56	125,889.44	227,889.56
TCC					
Total 2015 Costs including RCE & EM&V					13,483,745
less: 2015 RCE					5,627
Total Program Costs less RCE but with EM&V					13,478,118
Total Base, Adj. Base and EECRF Rider Revenues					14,762,929
Program Costs less total all 2015 revenues					-1,284,811

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule C

RIDER_GROUP_TX	TOT_REVENUE	2013 PERFORMANCE BONUS	2013 OVER RECOVERY	ADJ-COSTS IN EXCESS OF BASE (SEE ORDER)	2015 EECRF PROGRAM REVENUE
(SE11A)ENERGY EFFICIENCY ADJ-RESIDENTIALSERVICE	6,828,031.02				
(SE11A)ENERGY EFFICIENCY ADJ-RESIDENTIALSERVICE	3.98				
TOTAL RESIDENTIAL	6,828,035.00	\$2,678,172	(\$480,165)		\$4,630,028
(SE11B)ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	3.02				
(SE11B)ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	62,149.36				
(SE11B)ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	3,386.18				
TOTAL SECONDARY <= 10 KW	65,538.56	\$43,064	(\$128,944)		\$151,419
(SE11C)ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	1.83				
(SE11C)ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	3,136,306.78				
(SE11C)ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	127,359.45				
TOTAL SECONDARY > 10 KW	3,263,668.06	\$1,533,351	(\$1,342,362)		\$3,072,678
(SE11D)ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	508,923.17				
(SE11D)ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	296,092.45				
TOTAL PRIMARY	805,015.62	\$340,648	\$199,423		\$264,944
(SE11E)ENERGY EFFICIENCY ADJ-TRANSMISSION SERV	-7,646.14				
(SE11E)ENERGY EFFICIENCY ADJ-TRANSMISSION SERV	-561,641.22				
TOTAL TRANSMISSION	-569,287.36	\$0	\$0	\$0	(\$569,287)
EECRF Program Cost Revenues	10,392,969.88	\$4,595,234.62	(\$1,752,047)	\$0	\$7,549,782
Total Base Cost + Base Rev Adj + Rider					\$17,606,116
					\$14,762,929

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule E

Calculation of 2017 Program Costs Class Factor

Class	(a)	(b)	(c)	(d) (b + c)	(e)	(f) (d - a - e)	(g)	(h)	(i)	(j)	(k)
2017 Energy Efficiency Program Costs + EM&V	Schedule A	\$14,082,459									
Energy Efficiency Costs Included in Base Rates	Schedule B	\$6,334,949									
Base Revenue Adjustment	Schedule B	\$878,197									
2017 Program Costs Less Adjusted Base Rate Allocation	Schedule B	\$6,869,313									
Residential Directly Assigned 2017 Program Costs	Schedule A	7,590,667									
Commercial Directly Assigned 2017 Program Costs	Schedule A	\$6,126,667									
Allocated R&D 2017 Program Costs	Schedule A	\$365,125									
2016 Energy Efficiency Program Costs	Schedule A	\$14,082,459									
Allocated EM&V 2017 Budget Costs	Schedule A	\$0									
Total 2017	Schedule A	\$14,082,459									
		Residential /									
		Commercial 2017									
		Directly Assigned									
		Program Costs*									
Residential	Costs Included in Base Rates + Base Rate Adjustment	\$1,443,745	Allocated 2017 R&D	\$7,786,861	Allocation of Additional Base Rate Amount	2017 Program Costs Less Total Base Rate Allocation	Evaluation, Measurement & Verification	2017 Program Costs Less Total Base Rate Allocation + EMV	Adjusted Class Demand Allocation Factor**	Weighted Commercial Class Allocator	2017 Program Costs Factor
Secondary <= 10 kW	\$123,287	\$224,947	\$6,563	\$231,510	\$0	\$108,223	\$0	\$108,223	1.798%	3.885%	\$0,000,242 kWh
Total Secondary > 10 kW	\$2,309,174	\$4,979,395	\$128,576	\$5,107,971	\$0	\$2,798,797	\$0	\$2,798,797	35.214%	76.112%	\$0,000,366 kWh
Total Primary	\$655,751	\$922,326	\$33,792	\$956,117	\$0	\$300,367	\$0	\$300,367	9.255%	20.003%	\$0,000,118 kWh
Transmission	\$581,190	\$0	\$0	\$0	\$0	(\$581,190)	\$0	(\$581,190)	0.000%	0.000%	(\$0,000,116) kWh
Lining	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.000%	0.000%	\$0,000,000 kWh
Total	\$7,213,146	\$13,717,334	\$365,125	\$14,082,459	\$0	\$6,869,313	\$0	\$6,869,313	100.00%	100.00%	\$0,000,000 kWh

*Directly assigned costs include directly assigned program and directly assigned R&D costs
**adjusted allocator based on 2017 forecasted kWh

AEP Texas Central Company

Adjusted Energy Efficiency Cost Recovery Factor Filing

Workpaper Schedule E

Allocation of 2017 EM&V Budget

Evaluation, Measurement & Verification Costs 2017

\$0

Class	2017 Program			
	EM&V	Cost Allocation	2017 Forecasted	EM&V Bonus
		Factor	Billing kWh Unit	Factor Unit
Residential	\$0	55.295%	10,214,614,464	\$0.000000 kWh
Secondary <= 10 kW	\$0	1.644%	448,057,520	\$0.000000 kWh
Secondary > 10 kW	\$0	36.272%	7,647,334,024	\$0.000000 kWh
Primary	\$0	6.789%	2,549,740,393	\$0.000000 kWh
Transmission	\$0	0.000%	5,011,666,743	\$0.000000 kWh
Lighting	\$0	0.000%	230,131,169	
Total	\$0	100.00%	26,101,544,313	

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Workpaper Schedule E

Calculation of Performance Bonus Class Factor

2015 Earned Performance Bonus Calculation \$3,459,596

Class	Performance Bonus	2015 Incentive Allocator	2017 Forecasted Billing kWh Unit	Performance Bonus Factor	Unit
Residential	\$1,911,130	55.241%	10,214,614,464	\$0.000187	kWh
Secondary <= 10 kW	\$64,756	1.872%	448,057,520	\$0.000145	kWh
Secondary > 10 kW	\$1,201,714	34.736%	7,647,334,024	\$0.000157	kWh
Primary	\$281,996	8.151%	2,549,740,393	\$0.000111	kWh
Transmission	\$0	0.000%	5,011,666,743		
Lighting	\$0	0.000%	230,131,169		
Total	\$3,459,596	100.00%	26,101,544,313		

Sponsored by: Jennifer L. Jackson

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Workpaper Schedule E

Allocation of Municipal EECRF Proceeding Expenses

Docket Nos. 44717 Municipal Expenses \$5,433

Class	Municipal Expenses	2017 Program Cost Allocation Factor	2017 Forecasted Billing kWh	Unit	Municipal Expenses Factor	Unit
Residential	\$3,004	55.295%	10,214,614,464	kWh	\$0.000000	kWh
Secondary <= 10 kW	\$89	1.644%	448,057,520	kWh	\$0.000000	kWh
Total Secondary > 10 kW	\$1,971	36.272%	7,647,334,024	kWh	\$0.000000	kWh
Total Primary	\$369	6.789%	2,549,740,393	kWh	\$0.000000	kWh
Transmission	\$0	0.000%	5,011,666,743	kWh	\$0.000000	kWh
Lighting	\$0	0.000%	230,131,169			
Total	\$5,433	100.00%	26,101,544,313			

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Workpaper Schedule E
Adjusted Class Allocation Factors Workpaper

For Each Class:

AAF = $((D/BPS)*S)/\Sigma$ of the calculation for all classes

Rate Classes	Weighted Class Allocation Factor (D)	Base Period Adjusted Sales Docket No. 33309 (BPS)	2017 Forecasted Billing Unit Less ID Notice Customers (S)	(D/BPS)*S	Adjusted Class Allocation Factors (AAF)
Residential	51.88%	8,352,353,434	10,214,614,464	0.63	53.73%
Secondary <= 10 kW	1.89%	398,752,267	448,057,520	0.02	1.80%
Total Secondary > 10 kW	34.34%	6,315,671,589	7,647,334,024	0.42	35.21%
Total Primary	11.88%	2,772,665,717	2,549,740,393	0.11	9.25%
Total	100.00%	17,839,443,007	20,859,746,401	1.18	100.00%

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing
Worksheet Schedule G

Consumer Price Index - All Urban Consumers
Original Data Value

Series Id: CUUR0300SA0, CUUS0300SA0
Not Seasonally Adjusted
Area: South urban
Item: All items
Base Period: 1982-84=100
Years: 2002 to 2015

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Increase over prior year	% increase
2002	170.6	171.0	172.1	173.1	173.2	173.5	173.6	173.8	174.2	174.9	174.9	174.6	173.3		
2003	175.1	176.4	177.5	177.4	176.8	177.2	177.3	177.9	178.3	178.1	177.5	177.5	177.3	4.000	2.31%
2004	178.2	179.1	180.1	180.9	182.0	182.9	182.6	182.6	182.8	183.7	183.7	183.3	181.8	4.500	2.54%
2005	183.6	184.7	185.9	187.3	187.3	187.8	188.5	189.4	192.0	192.5	190.7	190.1	188.3	6.500	3.58%
2006	191.5	191.8	192.8	194.7	195.5	196.3	197.0	197.1	195.8	194.7	194.3	194.8	194.7	6.400	3.40%
2007	195.021	195.950	197.904	199.618	200.804	201.675	201.571	201.041	201.697	202.155	203.437	203.457	200.361	5.661	2.91%
2008	204.510	205.060	206.676	208.085	210.006	212.324	213.304	212.387	212.650	210.108	205.559	203.501	208.681	8.320	4.15%
2009	204.288	205.343	206.001	206.657	207.265	209.343	208.819	209.000	208.912	209.292	209.738	209.476	207.845	-0.836	-0.40%
2010	210.056	210.020	211.216	211.528	211.423	211.232	210.988	211.308	211.775	212.026	211.996	212.488	211.338	3.493	1.68%
2011	213.589	214.735	217.214	218.820	219.820	219.318	219.682	220.471	220.371	219.969	219.961	219.469	218.618	7.280	3.44%
2012	220.497	221.802	223.314	224.275	223.356	223.004	222.667	223.919	225.052	224.504	223.404	223.109	223.242	4.624	2.12%
2013	223.933	225.874	226.628	226.202	226.289	227.148	227.548	227.837	227.876	227.420	226.811	227.082	226.721	3.479	1.56%
2014	227.673	228.664	230.095	231.346	231.762	232.269	232.013	231.611	231.762	231.131	229.845	228.451	230.552	3.831	1.69%
2015	226.855	227.944	229.337	229.957	230.886	232.026	231.719	231.260	230.913	230.860	230.422	229.581	230.147	-0.405	-0.18%

http://data.bls.gov/pdq/SurveyOutputServlet;jsessionid=20159F413DD97195AB3E358EDDF9654E.tc_instance5

AEP Texas Central Company
Adjusted Energy Efficiency Cost Recovery Factor Filing

TCC Customer ID Notice (2017-2019)

Tariff	Rate Code	Annual kWh	Rate Class Totals kWh	Rate Class Totals Peak kW	Annual kW	Base Rate Schedule I	EE Base Rate Unit	Total Base Rate EE	Base Rate Credit
GND	827	654,465							
GND	829	8,171							
GND	829	1,079,346	1,741,982	n/a	n/a	\$0.000286 per kWh		\$498.21	(\$0.000286)
GSI	853	116,320							
GSS	855	656,255							
GSS	857	8,770,989	9,543,564	3,036.11	36,433.37	\$0.078608 per kW		\$2,863.95	(\$0.000300)
GPI	842	53,330,400	53,330,400	8,668.56	104,022.72	\$0.105418 per kW		\$10,965.87	(\$0.000206)
Total TCC ID Notice		64,615,946	64,615,946	11,704.67	140,456.09			\$14,328.03	



JAMES E. DARLING, Mayor
HILDA SALINAS, Mayor Pro-Tem and Commissioner District 3
AIDA RAMIREZ, Mayor Pro-Tem and Commissioner District 4
RICHARD F. CORTEZ, Commissioner District 1
TREY PEBLEY, Commissioner District 2
JOHN J. INGRAM, Commissioner District 5
VERONICA VELA WHITACRE, Commissioner District 6

ROEL RODRIGUEZ, P.E., City Manager

July 20, 2015

Mr. Robert Cavazos
Manager, EE/DR Programs
American Electric Power
910 Energy Drive
Abilene, Texas 79602

Re: Docket No. 44717; Lloyd Gosselink; Inv. #97465998

Dear Mr. Cavazos:

Pursuant to Public Utility Regulatory Act § 33.023, please remit to the City of McAllen, Texas the sum of \$3,123.70.00 to cover the fees and expenses of attorneys and consultants assisting the Steering Committee of Cities Served by AEP Texas Central Company in the above-referenced ratemaking proceeding.

The requested sum consists of fees and expenses of the following firm:

FIRM	DOCKET	PERIOD	BILL AMOUNT
Lloyd, Gosselink	44717	June 2015	\$3,123.70

The billing has been reviewed by Cities and found to be consistent with ratemaking efforts authorized by Cities. The billing is reasonable.

Payment should be made to the City of McAllen immediately. The check should be made payable to the **City of McAllen** and should be addressed as follows:

CITY OF McALLEN – LEGAL DEPARTMENT
P. O. BOX 220 – McALLEN, TEXAS 78505-0220

Should you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin D. Pagan".

Kevin D. Pagan
Special Counsel

KDP:mes

encl.

July 10, 2015

Steering Committee of Cities
Served by AEP TCC
Attn Kevin Pagan, City Attorney
P O Box 220
McAllen, TX USA 00000

Invoice: 97465998
Client: 1666
Matter: 26
Billing Attorney: CLB

INVOICE SUMMARY

For professional services and disbursements rendered through June 30, 2015:

RE: Docket No. 44717 2016 AEP TCC EECRF

Professional Services	\$ 2,358.50
Total Disbursements	<u>\$ 765.20</u>
TOTAL THIS INVOICE	\$ 3,123.70

Lloyd Gosselink Rochelle & Townsend, P.C.

Cities Served by Texas Central Company
Docket No. 44717 2016 AEP TCC EECRF
I.D.1666-26-CLB

July 10, 2015
Invoice: 97465998

PROFESSIONAL SERVICES RENDERED

Date	Atty	Description Of Services Rendered	Hours
5/29/15	HMW	Discuss filing with C. Brewster; discuss resolutions and model staff reports with H. Whitehurst.	.40
6/01/15	HMW	Draft motions to intervene; meeting with other counsel.	.40
6/01/15	CLB	Discuss strategy with Staff; compose correspondence to client; review application.	.30
6/01/15	HNW	Case management; draft consulting engagement agreements; meeting with attorneys to discuss case procedures; draft resolutions, model staff report and client memo.	.70
6/02/15	HMW	Update motions to intervene; sign protective orders; verify rate case expenses in filing; draft list of issues.	.80
6/02/15	HNW	Case management; review order and calendar deadlines.	.30
6/03/15	HMW	Draft motion to intervene; draft list of issues; draft memo.	1.20
6/03/15	CLB	Review and revise motion to intervene; correspondence with cities regarding same.	.30
6/04/15	CLB	Review and revise resolution, model staff report and memo to cities.	.40
6/04/15	HNW	Case management; proofread motion to intervene.	.30
6/05/15	HMW	Prepare resolution documents; draft list of issues.	1.30
6/05/15	HNW	Case management; print Company application and create attorney notebooks; proofread list of issues.	.80
6/08/15	HMW	Review staff list of issues; review requests for information.	.70
6/08/15	CLB	Review and revise list of issues.	.20
6/08/15	HNW	Assist with preparation and filing of list of issues; case management.	.20
6/09/15	HMW	Prepare request for information responses.	.40
6/09/15	HNW	Create discovery notebook for attorney; assist with document production in preparation of response to RFIs.	.80
6/09/15	EJA	Create and update attorney pleadings and discovery notebooks for H. Wilchar.	.30
6/10/15	HNW	Review Order No. 1 and calendar procedural schedule.	.20
6/10/15	EJA	Create and update attorney pleadings and discovery notebooks for H. Wilchar.	.30
6/11/15	HNW	Case management; assist with preparation of response to Staff's 1st RFIs.	.30
6/12/15	CLB	Review RFI response and supporting documents.	.20
6/12/15	HNW	Assist with preparation of discovery response.	.20
6/15/15	HMW	Review filings and proposed schedule.	.50
6/16/15	CLB	Discuss schedule issues with counsel for Company; correspondence with parties regarding same.	.50
6/19/15	HMW	Review proposed order.	.10
6/29/15	HMW	Prepare supplemental motion to intervene.	1.30
6/29/15	HNW	Draft rate case expense affidavit.	.50
6/30/15	HNW	Assist with preparation of supplemental motion to intervene.	.30

TOTAL PROFESSIONAL SERVICES

\$ 2,358.50

SUMMARY OF PROFESSIONAL SERVICES

Lloyd Gosselink Rochelle & Townsend, P.C.PUC Docket No 45929
WP/Invoices
Page 4 of 21Cities Served by Texas Central Company
Docket No. 44717 2016 AEP TCC EECRF
I.D.1666-26-CLBJuly 10, 2015
Invoice: 97465998

Name	Staff Level	Hours	Rate	Total
Chris L Brewster	Principal	1.90	300.00	570.00
Hannah M Wilchar	Associate	7.10	165.00	1,171.50
Holly N Whitehurst	Paralegal	4.60	125.00	575.00
Emily J Adams	Practice Group Asst	.60	70.00	42.00
TOTALS		14.20		\$ 2,358.50

DISBURSEMENTS

Date	Description	Amount
	Photocopying	63.20
6/30/15	Consulting Services, ReSolved Energy Consulting, LLC, 7/6/2015, 3594 - For Services Rendered	702.00

TOTAL DISBURSEMENTS **\$ 765.20****TOTAL THIS INVOICE** **\$ 3,123.70**

page 1 of 2
 \$632.20

Client Mailer	Client Mailer Desc	User	Printer	Document Name	Date Printed	Process Name	Computer Name	Comments	Pages Size	Page Width	Page Height	Color	Duplex	Pages per Sheet	Count as Sheets	Total Unit
1666-26	TCC/Docket No. 4	Judy Mehlstrom	FedEx	Copy/Audi Touch - Jun 15, 2015 12:03	20151103	Copy/Audi Touch	LDY00-3		Letter	8.5in	11.0in			1		77.00
1666-26	TCC/Docket No. 4	Holly Whitehurst	FedEx	Copy/Audi Touch - Jun 15, 2015 12:03	20151103	Copy/Audi Touch	LDY00-4		Letter	8.5in	11.0in			1		1.00
1666-26	TCC/Docket No. 4	Holly Whitehurst	Girdstone	Copy/Audi Touch - Jun 15, 2015 12:23	20151103	Copy/Audi Touch	LDY00-4		Letter	8.5in	11.0in			1		204.00
1666-26	TCC/Docket No. 4	Pete D. Juarez	Girdstone	Copy/Audi Touch - Jun 15, 2015 12:23	20151103	Copy/Audi Touch	LDY00-3		Letter	8.5in	11.0in			1		65.00
1666-26	TCC/Docket No. 4	Judy Mehlstrom	FedEx	Copy/Audi Touch - Jun 15, 2015 14:34	20151103	Copy/Audi Touch	LDY00-3		Letter	8.5in	11.0in			1		31.00

Total black and white copies 406

406 copies x .10/black and white photocopies = \$40.60

1666-26

\\MIS-PRINT05\Riley	6/5/2015	1666	26	222
\\MIS-PRINT05\Grindstone	6/30/2015	1666	26	4

Photocopies

226 @ \$.10 = \$22.60

page 2 of 2

1666-26

photocopies

ReSolved Energy Consulting, LLC

11044 Research Blvd., Suite A-420

Austin, Texas 78759

Phone (512) 331-4949

Invoice

DATE	INVOICE NUMBER
7/6/2015	3594

BILL TO

Thomas Brocato
Lloyd Gosselink Law Firm
816 Congress Ave, # 1900
Austin, Tx 78701

PROJECT			
LG AEP TCC 15 EECRF			
DESCRIPTION	HOURS	RATE	AMOUNT
Consulting (K. Nalepa)	2.7	260.00	702.00
Work Completed thru - June 30, 2015			TOTAL DUE \$702.00

1666-24

pg 1 of 2

Monthly Recap

Karl Nalepa

Date	Task	Hours
June 2, 2015	Initial review of filing.	0.30
June 9, 2015	Receive and review confidential materials.	0.20
June 16, 2015	Review testimony and schedules.	0.50
June 17, 2015	Work on analysis of the bonus calculation.	0.70
June 22, 2015	Review latest PUC interchange filings.	0.30
June 25, 2015	Work on analysis of the bonus calculation. Review class allocation methodology.	0.50
June 30, 2015	Call with C. Brewster to discuss EECRF findings. Prepare summary of bonus calculations and proposed areas of review and send to C. Brewster.	0.20
		2.70

LG AEP TCC 15 EECRF

Recap_June 2015_ KJN.xlsx



JAMES E. DARLING, Mayor
HILDA SALINAS, Mayor Pro-Tem and Commissioner District 3
AIDA RAMIREZ, Mayor Pro-Tem and Commissioner District 4
RICHARD F. CORTEZ, Commissioner District 1
TREY PEBLEY, Commissioner District 2
JOHN J. INGRAM, Commissioner District 5
VERONICA VELA WHITACRE, Commissioner District 6

ROEL RODRIGUEZ, P.E., City Manager

August 20, 2015

Mr. Robert Cavazos
Manager, EE/DR Programs
American Electric Power
910 Energy Drive
Abilene, Texas 79602

Re: Docket No. 44717; Lloyd Gosselink; Inv. #97466713

Dear Mr. Cavazos:

Pursuant to Public Utility Regulatory Act §33.023, please remit to the City of McAllen, Texas the sum of \$1,460.82 to cover the fees and expenses of attorneys and consultants assisting the Steering Committee of Cities Served by AEP Texas Central Company in the above-referenced ratemaking proceeding.

The requested sum consists of fees and expenses of the following firm:

FIRM	DOCKET	PERIOD	BILL AMOUNT
Lloyd, Gosselink	44717	July 2015	\$1,460.82

The billing has been reviewed by Cities and found to be consistent with ratemaking efforts authorized by Cities. The billing is reasonable.

Payment should be made to the City of McAllen immediately. The check should be made payable to the **City of McAllen** and should be addressed as follows:

CITY OF McALLEN – LEGAL DEPARTMENT
P. O. BOX 220 – McALLEN, TEXAS 78505-0220

Should you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin D. Pagan", is written over the word "Sincerely,".

Kevin D. Pagan
Special Counsel

KDP:mes
encl.

August 14, 2015

Steering Committee of Cities
Served by AEP TCC
Attn Kevin Pagan, City Attorney
P O Box 220
McAllen, TX USA 00000

Invoice: 97466713
Client: 1666
Matter: 26
Billing Attorney: CLB

INVOICE SUMMARY

For professional services and disbursements rendered through July 31, 2015:

RE: Docket No. 44717 2016 AEP TCC EECRF

Professional Services	\$ 1,323.00
Total Disbursements	<u>\$ 137.82</u>
TOTAL THIS INVOICE	<u>\$ 1,460.82</u>
Previous Balance	<u>\$ 3,123.70</u>
TOTAL BALANCE DUE	<u>\$ 4,584.52</u>

Lloyd Gosselink Rochelle & Townsend, P.C.

PUC Docket No 45929

WP/Invoices

Page 11 of 21

Cities Served by Texas Central Company
Docket No. 44717 2016 AEP TCC EECRF
I.D.1666-26-CLB

August 14, 2015
Invoice: 97466713

PROFESSIONAL SERVICES RENDERED

Date	Atty	Description Of Services Rendered	Hours
7/01/15	HMW	Discuss necessary filings.	.40
7/01/15	CLB	Review city resolutions; correspondence with cities.	.80
7/02/15	HMW	Review supplemental motion to intervene.	.30
7/02/15	HNW	Proofread supplemental motion to intervene; review Order No. 2 and calendar procedural schedule.	.40
7/06/15	CLB	Review cities' resolutions; correspondence to cities.	.70
7/14/15	HMW	Discuss filings with H. Whitehurst.	.20
7/15/15	CLB	Correspondence with cities regarding details of case.	.40
7/16/15	CLB	Teleconference with cities regarding case status.	.40
7/23/15	HNW	Assist with preparation of supplemental motion to intervene.	.20
7/27/15	CLB	Discuss issues for settlement with TIEC; discuss same with counsel for Company; review relevant provisions of EECRF rule.	.60
7/28/15	HMW	Prepare C. Brewster affidavit for filing.	.30
7/29/15	CLB	Review and sign Affidavits and backup; discuss abatement with J. Huerta.	.60

TOTAL PROFESSIONAL SERVICES**\$ 1,323.00****SUMMARY OF PROFESSIONAL SERVICES**

Name	Staff Level	Hours	Rate	Total
Chris L Brewster	Principal	3.50	300.00	1,050.00
Hannah M Wilchar	Associate	1.20	165.00	198.00
Holly N Whitehurst	Paralegal	.60	125.00	75.00
TOTALS		5.30		\$ 1,323.00

DISBURSEMENTS

Date	Description	Amount
7/09/15	Courier, Courier Depot, 7/4/2015, 88761 - Courier Services 6/28/2015 - 7/4/2015	28.50
7/09/15	Courier, Dropoff Inc., 6/30/2015, 8801 - Courier Charges 6/1/2015 - 6/30/2015	12.62
7/25/15	Courier, Courier Depot, 7/25/2015, 89058 - Courier Services 7/19/2015 - 7/25/2015	29.00
	Photocopying	67.70

TOTAL DISBURSEMENTS**\$ 137.82****TOTAL THIS INVOICE****\$ 1,460.82**

Lloyd Gosselink Rochelle & Townsend, P.C.