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AEP Texas Inc.

2022 Energy Efficiency Plan and Report 16 Tex. Admin. Code §§ 25.181, 28.182 and 25.183

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Project No. 52949



An ALP Company

BOUNDLESS ENERGY

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INTRODUCTION

AEP Texas Inc. (AEP Texas or Company) presents this Energy Efficiency Plan and Report (EEPR) to comply with Public Utility Commission of Texas (Commission) 16 Tex. Admin. Code §§ 25.181, 25.182 and 25.183 (TAC) (EE Rule), which implement the Public Utility Regulatory Act (PURA) § 39.905.

As mandated by PURA § 39.905, the EE Rule requires that each investor-owned electric transmission and distribution utility (TDU) achieve the following demand reduction goals through market-based standard offer programs (SOPs) and targeted market transformation programs (MTPs). 16 TAC § 25.181(e)(1) provides in pertinent part as follows:

- (e)(1) An electric utility shall administer a portfolio of energy efficiency programs to acquire, at a minimum, the following:
 - (A) Beginning with the 2013 program year, until the trigger described in subparagraph
 (B) of this paragraph is reached, the utility shall acquire a 30% reduction of its annual growth in demand of residential and commercial customers.
 - (B) If the demand reduction goal to be acquired by a utility under subparagraph (A) of this paragraph is equivalent to at least four-tenths of 1% of its summer weatheradjusted peak demand for the combined residential and commercial customers for the previous program year, the utility shall meet the energy efficiency goal described in subparagraph (C) of this paragraph for each subsequent program year.
 - (C) Once the trigger described in subparagraph (B) of this paragraph is reached, the utility shall acquire four-tenths of 1% of its summer weather-adjusted peak demand for the combined residential and commercial customers for the previous program year.
 - (D) Except as adjusted in accordance with subsection (u) of this section, a utility's demand reduction goal in any year shall not be lower than its goal for the prior year, unless the commission establishes a goal for a utility pursuant to paragraph (2) of this subsection.

The EE Rule includes specific requirements related to the implementation of SOPs and MTPs that control the manner in which TDUs must administer their portfolio of energy efficiency programs in order to achieve their mandated annual demand reduction goals. AEP Texas' plans enable it to meet its statutory goals through implementation of energy efficiency programs in a manner that complies with PURA § 39.905 and the EE Rule. This EEPR covers the periods of time required in the EE Rule. The following section describes the information that is contained in each of the subsequent sections and appendices.

EEPR ORGANIZATION

This EEPR consists of an Executive Summary, thirteen sections, a list of acronyms, and three appendices.

Executive Summary

• Summarizes AEP Texas' plans for achieving its goals and projected energy efficiency savings for program years 2022 and 2023 and highlights AEP Texas' achievements for Program Year (PY) 2021.

Energy Efficiency Plan

- Section I describes the program portfolio. It details how programs will be implemented, presents related informational and outreach activities, and provides an introduction to any programs not included in the 2021 EEPR.
- Section II describes the targeted customer classes, the estimated size of each class and the method of determining those class sizes.
- Section III presents the energy and demand goals and projected savings for the prescribed planning period detailed by program for each customer class.
- Section IV describes the proposed energy efficiency budgets for the prescribed planning period detailed by program for each customer class.

Energy Efficiency Report

- Section V documents the demand reduction goal for each of the previous five years (2017-2021) based on its weather-adjusted peak demand and actual savings achieved for those years.
- Section VI compares the projected energy and demand savings to its reported and verified savings by program for PY 2020 and 2021.
- Section VII details the incentive and administration expenditures for each of the previous five years (2017-2021) detailed by program for each customer class.
- Section VIII compares the actual 2021 expenditures with the 2021 budget by program for each customer class. It also explains any cost differences of more than 10% from the overall program budget and from each program budget.
- Section IX describes the results from the MTPs.
- Section X describes Administrative costs and Research and Development activities.
- Section XI documents the 2022 EECRF.
- Section XII documents the 2021 EECRF Summary.
- Section XIII documents the Underserved Counties.

Acronyms

• A list of abbreviations for common terms used within this document.

Appendices

- Appendix A Reported and verified demand and energy reductions by county for each program.
- Appendix B Program templates for any new or significantly modified programs and programs not included in the previous EEPR.
- Appendix C Data, explanations, or documents supporting other sections of the EEPR.

EXECUTIVE SUMMARY – ENERGY EFFICIENCY PLAN (PLAN)

AEP Texas plans to achieve its 2022 mandated demand and energy goals of 20.83 MW and 36,494 MWh as shown in Table 1 below through residential and non-residential SOPs and MTPs. AEP Texas will utilize a budget of \$17,959,017 to accomplish these goals.

Calendar Year	Average Peak Demand at Meter (MW)	Goal Metric: 0.4% Peak Demand (MW)	Peak Demand Goal (MW)	Energy Goal (MWh)	Projected Demand Reduction (MW)	Projected Energy Savings (MWh)	Projected Budget (000's)*
2022	5,207	20.83	20.83	36,494	48	70,488	\$17,959
2023	5,271	21.08	21.08	36,932	48	72,434	\$18,447

Table 1: Summary of Goals,Projected Savings (at the Meter),1 and Budgets

* The Projected Budgets include costs associated with Evaluation, Measurement & Verification activities.

EXECUTIVE SUMMARY – ENERGY EFFICIENCY REPORT (REPORT)

AEP Texas achieved demand and energy reductions of 45,396 kW and 83,674,251 kWh in 2021. The total energy efficiency cost for achieving these savings was \$17,163,057. This achievement exceeded the 2021 mandated energy efficiency goals of 20,600 kW and 36,091,000 kWh.

A broad portfolio of residential and non-residential SOPs and MTPs was used to accomplish these savings.

¹ Average Peak Demand figures are from Table 4; Projected Savings from Table 5; Projected Budgets from Tables 6 and 7.

ENERGY EFFICIENCY PLAN

I. 2022 Programs

A. 2022 Program Portfolio

AEP Texas has implemented a variety of programs in 2022 to enable it to meet its goals in a manner that complies with PURA § 39.905 and the EE Rule. These programs target broad market segments and specific market sub-segments with significant opportunities for cost-effective energy savings.

Table 2 summarizes the programs and targeted customer class markets for Program Year 2022. The programs listed in Table 2 are described in further detail in Subsection B. AEP Texas maintains a web site containing information on participation, forms required for project submission, and program manuals at <u>www.AEPTexasEfficiency.com</u>. This site is the primary method of communication used to provide program updates and information to Retail Electric Providers (REPs), potential Energy Efficiency Service Providers (EESPs), and other interested parties.

Implementation Process

MTPs are implemented by third-party implementers. These implementers design, market and execute the applicable MTPs. Based on the specific MTP, the implementer may perform outreach activities to recruit local contractors and provide participating contractors specialized education, training/certification and tools as necessary. Implementers validate proposed measures/projects, perform quality assurance/quality control, and verify and report savings derived from the program.

SOPs are managed in-house with project sponsors providing eligible program measures. Project sponsors are typically EESPs; however, for commercial projects an AEP Texas end-use customer may serve as its own project sponsor. Eligible project sponsors can submit an application(s) for project(s) meeting the minimum SOP requirements.

AEP Texas monitors projects being submitted so as to not accept duplicate enrollments for the same measures in multiple programs.

Outreach Activities

- Promote internet web sites with program information including project eligibility, end-use measures, incentives, procedures, application forms, and in some cases a list of participating project sponsors and the available program budget;
- Utilize mass e-mail notifications to inform and update potential project sponsors on AEP Texas energy efficiency program opportunities;
- Conduct workshops as necessary to explain program elements such as responsibilities of the project participants, program requirements, incentive information and the application and reporting process;
- Conduct specific project sponsor/contractor training sessions as necessary based on the energy efficiency programs being implemented;
- Participate in local, regional, state-wide, and industry-related outreach activities as may be necessary; and
- Facilitate earned media opportunities, spotlighting successful projects and/or interesting stories as applicable.

Program	Target Market	Application			
Commercial Solutions MTP	Commercial	Retrofit & New Construction			
Commercial SOP	Commercial	Retrofit & New Construction			
CoolSaver SM A/C Tune-Up MTP	Commercial & Residential	Retrofit			
Hard-to-Reach SOP	Residential Hard-to- Reach	Retrofit & New Construction			
High-Performance New Homes MTP	Residential	New Construction			
Load Management SOP	Commercial	Retrofit			
Open MTP	Commercial	Retrofit			
Residential SOP	Residential	Retrofit & New Construction			
SCORE/CitySmart MTP	Commercial	Retrofit & New Construction			
SMART Source SM Solar PV MTP	Commercial & Residential	Retrofit & New Construction			
Targeted Low-Income Energy Efficiency Program	Low-Income Residential	Retrofit			

Table 2: 2022 Energy Efficiency Program Portfolio

B. Existing Programs

Commercial Solutions Market Transformation Program (CS MTP)

The CS MTP targets commercial customers (other than governmental and educational entities) that do not have the in-house expertise to: 1) identify, evaluate, and undertake energy efficiency improvements; 2) properly evaluate energy efficiency proposals from vendors; and/or 3) understand how to leverage their energy savings to finance projects. Incentives are paid to customers for eligible energy efficiency measures that are installed in new or retrofit applications that result in verifiable demand and energy savings.

Commercial Standard Offer Program (CSOP)

The CSOP targets commercial customers of all sizes. Variable incentives are available to project sponsors based upon verified demand and energy savings for eligible measures installed in new or retrofit applications.

CoolSaverSM A/C Tune-Up Market Transformation Program (CoolSaverSM MTP)

The CoolSaverSM MTP is designed to overcome market barriers that prevent residential and small commercial customers from receiving high performance air conditioning (A/C) system tune-ups. The program works through local A/C networks to offer key program components, including:

- Training and certifying A/C technicians on the tune-up and air flow correction services and protocols.
- Paying incentives to A/C contactors for the successful implementation of A/C tune-up and air flow correction services.
- Paying incentives to A/C contractors who replace existing residential air conditioners and/or heat pumps with new high efficiency units of 16 SEER or higher. Additional incentives are paid for early retirement of operational equipment and for "right-sizing" replacement units.

Hard-to-Reach Standard Offer Program (HTR SOP)

The HTR SOP targets residential customers with total annual household incomes at or below 200% of current federal poverty guidelines. Incentives are paid to project sponsors for eligible measures installed in new and retrofit applications that result in verifiable demand and energy savings. Project comprehensiveness is encouraged and customer education materials regarding energy conservation behavior are distributed by project sponsors.

High-Performance New Homes Market Transformation Program (New Homes MTP) The New Homes MTP targets several market participants, primarily homebuilders and consumers. The program's goal is to create conditions in which consumers demand energy-efficient homes, and homebuilders supply them. Incentives are paid to homebuilders who construct homes to strict energy-efficient building guidelines and that are at least 5% above the Texas Baseline Reference Home and meet all minimum energy code requirements. The program has a tiered design that uses a combination of mandatory, additional elective, and innovative measures to promote market transformation and drive deep energy savings. ENERGY STAR[®] and complete foam encapsulated homes are offered as alternative pathways to Tiers. Bonus incentives are offered for installed ENERGY STAR connected thermostats and to builders who switch from electric resistance furnaces to heat pumps. Each home results in verifiable demand and energy savings. In addition to homebuilder and consumer outreach, the New Homes MTP targets key market actors in the homebuilding production and sales cycle: home energy raters, homebuilder sales agents, real estate agents, HVAC contractors, mortgage lenders, product manufacturers, homebuilder associations, and media outlets.

Load Management Standard Offer Program (LM SOP)

The LM SOP targets commercial customers with a peak electric demand of 500 kW or more; but any non-residential customer that can deliver at least 50 kW of peak demand savings is eligible to participate. Incentive payments are based on measured and verified load (demand) curtailment reduction during the summer peak period. Load management events are dispatched by AEP Texas, providing a 30 minute advance notification or load reduction periods of one to four hours in duration. Customer, or Market Actors initiate and implement the load curtailments as called upon to do so by AEP Texas.

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Open Market Transformation Program (Open MTP)

The Open MTP targets traditionally underserved small commercial customers who may not employ knowledgeable personnel with a focus on energy efficiency, who are limited in the ability to implement energy efficiency measures, and/or who typically do not actively seek the help of a professional EESP. Small commercial customers with a peak demand not exceeding 150 kW in the previous twelve consecutive billing months may qualify to participate in the program. Available incentives are paid directly to the contractor, thereby reducing a portion of the project cost for the customer.

The program is intended to overcome market barriers for participating contractors by providing technical support and incentives to implement energy efficiency upgrades and produce demand and energy savings.

Residential Standard Offer Program (RSOP)

The RSOP targets all residential customers, paying incentives to project sponsors for eligible measures installed in new and retrofit applications that result in verified demand and energy savings. Project comprehensiveness is encouraged.

SCORE/CitySmart Market Transformation Program (SCORE/CS MTP)

The SCORE/CS MTP provides energy efficiency and demand reduction solutions for public and private educational entities grades K-12 as well as colleges and universities. In addition to educational facilities, SCORE/CS MTP provides these same solutions to local, state, county and federal government customers. This program is designed to help educate and assist these customers in lowering their energy use by facilitating the integration of energy efficiency into their short- and long-term planning, budgeting, and operational practices. Incentives are paid to participating customers for eligible energy efficiency measures that are installed in new or retrofit applications that result in verifiable demand and energy savings.

SMART Source^{sss} Solar PV Market Transformation Program (PV MTP)

The PV MTP offers incentives to residential and commercial customers for the installation of solar photovoltaic (PV) systems interconnected on the customer's side of the meter. The incentives help offset the initial costs of installing solar PV systems, and encourage service providers to seek more installation opportunities. In addition to demand and energy savings achieved from the installations,

the PV MTP aims to transform the solar PV market by increasing the number of qualified technicians and installers and decreasing the average installed cost of PV systems, thereby creating greater market economies of scale.

Targeted Low-Income Energy Efficiency Program (TLIP)

The TLIP is designed to cost-effectively reduce the energy consumption and energy costs for lowincome residential customers in the AEP Texas service territory. Weatherization service providers install eligible weatherization and energy efficiency measures in qualified households that meet the Department of Energy (DOE) income-eligibility guidelines of at or below 200% of the federal poverty guidelines. A Savings-to-Investment Ratio of 1.0 or higher is required of each serviced dwelling unit.

C. New Programs for 2022

There are no new programs for 2022.

D. Discontinued Programs

The Residential Pool Pump Program Pilot MTP (Central Division) was discontinued for 2022.

II. Customer Classes

The AEP Texas energy efficiency programs target its Residential and Commercial customer classes. The programs also target customer sub-classes, such as Residential Hard-to-Reach and Low-Income, Schools, Small Businesses, and Local Governments.

The annual projected savings targets are allocated among these customer classes and sub-classes by examining historical program results and by evaluating economic trends, in compliance with 16 TAC 25.181(e)(3).

Table 3 summarizes the number of customers in each customer class and the Residential Hard-to-Reach sub-class. The numbers listed are the actual number of active electric service accounts by class served for the month of January 2022. These numbers were used to determine goal and budget allocations for each customer class and program. It should be noted, however, that the actual distribution of the annual goal and budget required to achieve the goal must remain flexible based upon the conditions of the marketplace, the potential interest a customer class may have in a specific program, and the overriding objective of meeting the mandated demand and energy reduction goals

in total. AEP Texas offers a varied portfolio of SOPs and MTPs such that all eligible customer classes have access to energy efficiency alternatives.

Customer Class	Number of Customers
Commercial	202,103
Residential	977,836
Hard-to-Reach ²	307,041

Table 3: Summary of Customer Classes

* Hard-to-Reach customer count is a sub-set of the Residential total.

² According to the U.S. Census Bureau's 2020 Current Population Survey, 31.4% of Texas families fell below 200% of the poverty threshold in 2020. Applying that percentage to AEP Texas' residential customer base of 977,836, the number of HTR customers is estimated to be 307,041.

III. Energy Efficiency Goals and Projected Savings

AEP Texas' 2022 annual demand and energy reduction goals to be achieved are 20.83 MW and 36,494 MWh. AEP Texas' 2023 annual goals are 21.08 MW and 36,932 MWh. These goals have been calculated as prescribed by the EE Rule.

The 2022 goal was calculated by applying four-tenths of 1% (0.004) of the summer weather-adjusted peak demand for its residential and commercial customers to the five year average (2016-2020) peak demand at the meter of 5,207 MW. This resulted in a calculated goal of 20.83 MW.

The 2023 demand goal is calculated by applying four-tenths of 1% (0.004) of the summer weatheradjusted peak demand for its residential and commercial customers to the five year average (2017-2021) peak demand at the meter of 5,271 MW. This results in a calculated goal of 21.08 MW. As stated in 16 TAC § 25.181(e)(4), a utility's energy savings goal is calculated from its demand savings goal, using a 20% conservation load factor.

Table 4 presents historical annual growth in demand data for the previous five years that was used to calculate AEP Texas' goals. Table 5 presents the projected demand and energy savings for Program Years 2022 and 2023 by program, for each customer class with fully-deployed program budgets.

		Peal	k Demand	(MW) @ So	ource		Energy	Consumptio	on (GWh)	Energy Efficiency Goal			
	Total System			Residential & Commercial			Total System		Residential & Commercial		Calculations		
Calendar Year	Actual	Weather Adjusted	Actual	Weather Adjusted	Opt- Out	Peak Demand at Source Net Opt- outs	Actual	Weather Adjusted	Actual	Weathe r Adjuste d	Peak Demand at Meter*	5 year Average Peak Demand at Meter	Goal Metric: 0.4% Peak Demand at Meter
2016	6,412	6,270	5,910	5,768	-75	5,693	31,604	31,224	25,791	25,411	5,134	NA	NA
2017	6,391	6,234	5,879	5,722	-101	5,621	31,553	31,334	25,072	24,853	5,069	4,956	NA
2018	6,339	6,349	5,817	5,827	-109	5,718	32,020	31,680	25,693	25,353	5,265	5,002	NA
2019	6,501	6,364	5,945	5,807	-106	5,701	31,962	31,564	25,675	25,277	5,248	5,043	NA
2020	6,451	6,417	5,875	5,841	-75	5,766	31,746	31,767	25,194	25,214	5,317	5,112	NA
2021	6,451	6,580	5,814	5,943	-25	5,918	32,975	33,004	26,253	26,282	5,457	5,150	NA
2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,207	20.83
2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,271	21.08

Table 4: Annual Growth in Demand and Energy Consumption – AEP Texas

*Line losses are derived from the loss factors determined in the most recent line loss studies for AEP Texas (Central Division and North Division).

Table 5: Projected Demand and Energy Savings by Program for Each Customer Class for2022 and 2023 (at the Meter) – AEP Texas

Customer Class and Program	Projected S	avings 2022	Projected S	avings 2023
	kW	kWh	kW	kWh
Commercial	38,148	43,377,761	38,415	44,815,960
Commercial Solutions MTP	1,664	7,458,262	1,664	7,458,262
Commercial SOP	2,554	13,452,356	2,822	14,890,555
CoolSaverSM A/C Tune-Up MTP	3,466	8,047,475	3466	8047475
Load Management SOP	26,507	24,387	26,507	24,387
Open MTP	1,215	5,234,159	1,215	5,234,159
SCORE/CitySmart MTP	2,463	8,259,385	2,463	8,259,385
SMART SourceSM Solar PV MTP	278	901,737	278	901,737
Residential	6,754	21,746,871	6,813	22,254,798
CoolSaverSM A/C Tune-Up MTP	1,594	6,250,000	1594	6250000
High-Performance New Homes MTP	2,353	3,917,476	2215	3703316
Residential SOP	2,191	9,477,974	2,389	10,200,061
SMART SourceSM Solar PV MTP	615	2,101,421	615	2,101,421
Hard-to-Reach	2,896	5,362,999	2,896	5,362,999
Hard-to-Reach SOP	1,930	3,845,156	1,930	3,845,156
TLI EE Program	966	1,517,843	966	1,517,843
Total Annual Projected Savings	47,797	70,487,631	48,124	72,433,757

IV. Program Budgets

Tables 6 and 7 present total proposed budget allocations required to meet AEP Texas' projected demand and energy savings to be achieved for Program Year 2022 and 2023. The budget allocations are defined by the overall projected demand and energy savings, the avoided costs of capacity and energy specified in the EE Rule, allocation of demand goals, and the incentive levels by customer class. The budget allocations are detailed by customer class, program, and in the following budget categories: incentives, administration, research and development (R&D), and evaluation, measurement and verification (EM&V).

2022 Incentives Admin R&D EM&V **Total Budget** Commercial **Commercial Solutions MTP** \$903,248 \$115,485 \$1,018,733 **Commercial SOP** \$1,875,762 \$218,467 \$2,094,229 CoolSaverSM A/C Tune-Up MTP \$796,700 \$88,522 \$885,222 Load Management SOP \$737,700 \$85,300 \$823,000 Open MTP \$1,213,041 \$150,959 \$1,364,000 SCORE/CitySmart MTP \$1,192,300 \$1,334,184 \$141,884 SMART SourceSM Solar PV MTP \$287,310 \$35,017 \$322,327 Residential CoolSaverSM A/C Tune-Up MTP \$825,000 \$91,667 \$916,667 High-Performance New Homes MTP \$965,000 \$107,222 \$1,072,222 **Residential SOP** \$2,914,657 \$343,068 \$3,257,725 SMART SourceSM Solar PV MTP \$670,941 \$79,059 \$750,000 Hard-to-Reach Hard-to-Reach SOP \$1,569,400 \$1,412,560 \$156,840 Targeted Low-Income Energy Efficiency Program \$1.799.159 \$1,986,304 \$187,144 **Research and Development** R&D \$353,646 \$353,646 **Evaluation, Measurement &** Verification (EM&V) EM&V \$211,359 \$211,359

Table 6: Projected Annual Budget by Program for Each Customer Classfor 2022 AEP Texas

Total Budget

\$211,359

\$17,959,017

\$15,593,378

\$1,800,634

\$353,646

2023	Incentives	Admin	R&D	EM&V	Total Budget
Commercial					
Commercial Solutions MTP	\$903,248	\$115,485			\$1,018,733
Commercial SOP	\$2,075,762	\$218,467			\$2,294,229
CoolSaver SM A/C Tune-Up MTP	\$796,700	\$88,522			\$885,222
Load Management SOP	\$737,700	\$85,300			\$823,000
Open MTP	\$1,213,041	\$150,959			\$1,364,000
SCORE/CitySmart MTP	\$1,192,300	\$141,884			\$1,334,184
SMART Source SM Solar PV MTP	\$287,310	\$35,017			\$322,327
Residential					
CoolSaver SM A/C Tune-Up MTP	\$825,000	\$91,667			\$916,667
High-Performance New Homes MTP	\$965,000	\$107,222			\$1,072,222
Residential SOP	\$3,164,657	\$359,868			\$3,524,525
SMART Source SM Solar PV MTP	\$670,941	\$79,059			\$750,000
Hard-to-Reach					
Hard-to-Reach SOP	\$1,412,560	\$156,840			\$1,569,400
Targeted Low-Income Energy Efficiency Program	\$1,799,159	\$187,144			\$1,986,303
Research and Development					
R&D			\$353,646		\$353,646
Evaluation, Measurement & Verification (EM&V)					
EM&V				\$232,708	\$232,708
Total Budget	\$16,043,378	\$1,817,434	\$353,646	\$232,708	\$18,447,166

Table 7: Projected Annual Budget by Program for Each Customer Classfor 2023 AEP Texas

ENERGY EFFICIENCY REPORT

V. Historical Demand and Energy Goals and Savings Achieved for the Previous Five Years

Table 8 contains the demand and energy reduction goals and actual savings achieved for the previous five years (2017-2021) calculated in accordance with the EE Rule.

Calendar Year	Actual Weather Adjusted Demand Goal (MW)	Actual Weather Adjusted Energy Goal (MWh)	Savings Achieved (MW)	Savings Achieved (MWh)
AEP Texas				
2021	20.60	36,091	45.4**	83,663
Central				
2020	16.38	28,698	50.45	59,259
2019	16.14	28,277	39.70	58,398
2018	15.99	28,014	43.81	62,417
2017	15.83	27,734	45.87	64,971
North				
2020	4.26	7,464	5.79	12,768
2019	4.26	7,464	6.58	11,968
2018	4.26	7,464	8.95	12,669
2017	4.26	7,464	6.79	12,038

 Table 8: Historical Demand and Energy Goals* and Savings Achieved (at the Meter)

* Actual Weather Adjusted MW and MWh Goals as reported in the EEPRs filed in years 2017-2020.

** Central and North divisions are combined. Reported savings achieved at the source are 39.6 MW (39.6 x 1/(1-7.284%)) = 42.71 MW for Central division and 5.8 MW (5.8 x 1/(1-9.957%)) = 6.44 MW for North division.

VI. Projected, Reported and Verified Demand and Energy Savings

Table 9: Projected versus Reported and Verified Savings for 2021 and 2020 (at the Meter)

2021	Projecte	d Savings	Reported and Ve	rified Savings
Customer Class and Program	kW	kWh	kW	kWh
Commercial				
Commercial Solutions MTP	1,433	8,709,280	1,655	7,649,161
Commercial SOP	3,067	13,639,318	3,185	18,424,265
CoolSaverSM A/C Tune-Up MTP	1,393	4,376,124	4,497	9,015,723
Load Management SOP	22,261	20,480	21,647	21,647
Open MTP	1,184	4,660,806	1,216	5,120,900
SCORE/CitySmart MTP	2,061	9,680,000	2,364	9,574,229
SMART SourceSM Solar PV MTP	380	1,187,409	237	862,214
Residential				,
CoolSaverSM A/C Tune-Up MTP	1,017	3,223,609	1,299	6,540,544
High-Performance New Homes MTP	3,394	4,366,339	2,266	3,248,011
Residential SOP	2,134	3,520,650	2,963	14,095,300
Residential Pool Pump Pilot MTP	173	1,203,872	14	180,186
SMART SourceSM Solar PV MTP	301	925,735	468	1,602,578
Hard-to-Reach		,		, ,
Hard-to-Reach SOP	1,551	2,418,835	2,277	4,931,548
TLI EE Program	917	1,392,896	1,308	2,396,578
Total Annual Savings	41,267	59,325,352	45,397	83,662,883
2020	/ I	d Savings	Reported and Ve	, ,
Customer Class and Program	kW	kWh	kW	kWh
Commercial				
Commercial Solutions MTP	1,433	8,709,280	1,606	7,172,233
Commercial SOP	3,256	13,635,785	3,173	15,226,742
CoolSaverSM A/C Tune-Up MTP	1,393	4,376,124	3,025	6,017,714
Load Management SOP	21,697	119,126	29,651	29,651
Open MTP	1,184	4,660,806	1,207	5,196,221
SCORE/CitySmart MTP	2,061	9,680,000	2,318	7,745,432
SMART SourceSM Solar PV MTP	541	787,477	353	1,203,055
Residential				
CoolSaverSM A/C Tune-Up MTP	1,017	3,223,609	1,511	5,082,376
High-Performance New Homes MTP	539	1,631,874	1,936	2,706,448
Residential Pool Pump Pilot MTP	127	1,017,810	22	162,577
Residential SOP	6,301	9,772,251	7,242	12,916,672
SMART SourceSM Solar PV MTP	265	696,076	298	995,914
Hard-to-Reach				
Hard-to-Reach SOP	2,236	3,293,212	2,927	4,986,366
Targeted Low-Income Energy	<i>,</i>		<i>.</i>	<i></i>
Efficiency Program	910	1,314,508	972	1,604,664
Total Annual Savings	42,960	62,917,938	56,240	71,046,066

VII. Historical Program Expenditures

This section documents the Central and North Division's incentive and administration expenditures for the previous five years (2017-2021) detailed by program for each customer class.

	202	2021		2020		2019		18	2017	
	Incent.	Admin								
Commercial									·	
Commercial Solutions MTP	\$900.63	\$103.88	\$869.07	\$97.15	\$900.31	\$107.09	\$946.24	\$89.56	\$795.36	\$80.64
Commercial SOP	\$2,000.12	\$230.86	\$1,798.52	\$216.04	\$1,974.48	\$232.53	\$2,143.87	\$247.80	\$1,930.52	\$257.17
CoolSaver SM A/C Tune-Up MTP	\$595.48	\$49.88	\$595.50	\$49.42	\$647.82	\$53.34	\$604.06	\$45.81	\$597.57	\$41.72
Load Management SOP	\$573.38	\$64.45	\$828.41	\$61.74	\$584.63	\$50.03	\$689.19	\$86.07	\$698.07	\$94.98
Open MTP	\$1,199.15	\$124.51	\$1,205.48	\$134.37	\$1,195.60	\$144.59	\$1,211.80	\$108.26	\$1,211.84	\$93.50
SCORE/CitySmart MTP	\$1,127.97	\$110.45	\$1,121.97	\$106.35	\$1,111.64	\$113.42	\$1,075.94	\$108.22	\$1,163.57	\$97.44
SMART Source SM Solar PV MTP	\$197.02	\$19.66	\$254.47	\$27.80	\$284.99	\$22.66	\$274.76	\$20.29	\$120.82	\$9.06

(Table continued on next page)

	2021		202	20	2019		201	18	201	17
	Incent.	Admin								
Residential										
CoolSaver SM A/C Tune-Up MTP	\$677.93	\$56.78	\$673.00	\$55.85	\$696.41	\$57.31	\$667.18	\$50.61	\$638.96	\$44.83
High-Performance New Homes MTP	\$947.26	\$90.06	\$909.56	\$78.92	\$807.36	\$73.92	\$750.25	\$88.73	\$753.15	\$94.84
Residential Pool Pump Pilot MTP	\$73.66	\$10.88	\$65.90	\$13.11	\$76.70	\$9.68	NAP	NAP	NAP	NAP
Residential SOP	\$3,365.28	\$329.41	\$3,445.80	\$326.30	\$3,260.74	\$363.80	\$3,284.20	\$355.40	\$3,029.28	\$338.85
SMART Source SM Solar PV MTP	\$307.75	\$32.77	\$293.18	\$31.04	\$300.25	\$24.11	\$316.97	\$23.23	\$308.55	\$23.75
Whisker Labs* Res DR Pilot MTP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	\$164.56	\$9.83
Hard-to-Reach										
Hard-to-Reach SOP	\$1,412.44	\$176.68	\$1,624.91	\$175.96	\$1,453.44	\$127.71	\$1,456.26	\$160.66	\$1,284.69	\$146.25
Targeted Low-Income Energy Efficiency Program	\$1,826.49	\$173.45	\$1,771.13	\$142.18	\$1,813.52	\$183.16	\$1,596.78	\$141.97	\$1,687.61	\$148.16
Research and Development (R&D)	NAP	\$177.82	NAP	\$280.10	NAP	\$386.96	NAP	\$235.76	NAP	\$187.50
Evaluation and Measurement Verification (EM&V)	NAP	\$206.95	NAP	\$215.60	NAP	\$211.99	NAP	\$208.09	NAP	\$208.09
Total Expenditures	\$15,204.57	\$1,958.49	\$15,456.90	\$2,011.93	\$15,107.89	\$2,162.30	\$15,017.50	\$1,970.46	\$14,384.55	\$1,876.61

Table 10: Historical Program Incentive and Administrative Expenditures for 2017 through 2021 (000's) – AEP Texas(Continued)

*Previously Earth Networks

VIII. Program Funding for Program Year 2021

Throughout the year AEP Texas monitors each program's success status and transfers funds as necessary to maximize participation in each of our programs. Programs were monitored even more closely in 2021 due to the ongoing impacts of the COVID-19 pandemic. Funding was reallocated as necessary to ensure overall energy efficiency savings goals were achieved.

As shown in Table 11 the total projected budget for AEP Texas in 2021 was \$17,954,606 and the actual total funds expended were \$17,163,067. This is an overall total program expenditure difference of less than 3% from the amount budgeted.

The following individual program expenditures differed from their respective proposed budgets by more than 10% as explained below.

The AEP Texas Load Management Program was under budget by more than 10% because fewer participants enrolled in the program this year. Furthermore, some participants overestimated their project load reduction. They were only able to reduce a portion of their projected load since the time of the curtailment event coincided with necessary business operations.

The High Performance New Homes MTP budget was increased as funding was reallocated to gain additional residential savings and ensure overall energy efficiency savings goals were met. The home construction industry was not impacted by the COVID-19 pandemic as much as other trades; and due to a strong environment for building energy efficient homes, builders were able to increase their participation in this program.

The Residential Pool Pump Pilot MTP was under budget due to supply chain impacts caused by the COVID-19 pandemic. The unavailability and backlog of pumps and parts resulted in fewer installations than projected.

The SMART Source^{sst} Solar PV MTP commercial class was under budget due to a smaller volume of projects participating in the program.

The combined 2021 expenditures for the TLIP and the HTR SOP constituted 20% of the energy efficiency budget. The 2021 expenditure for the TLIP constituted 11% of the energy efficiency budget.

	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	\$903,248	148	\$900,631	\$103,879			\$1,004,510
Commercial SOP	\$2,063,762	105	\$2,000,120	\$230,863			\$2,230,983
CoolSaver sM A/C Tune-Up MTP	\$596,700	449	\$595,480	\$49,876			\$645,356
Load Management SOP	\$737,700	89	\$573,383	\$64,448			\$637,831
Open MTP	\$1,213,041	216	\$1,199,150	\$124,511			\$1,323,661
SCORE/CitySmart MTP	\$1,134,300	101	\$1,127,973	\$110,452			\$1,238,425
SMART Source SM Solar PV MTP	\$287,310	10	\$197,024	\$19,658			\$216,682
Residential							
CoolSaver sM A/C Tune-Up MTP	\$675,000	2,749	\$677,927	\$56,781			\$734,708
High-Performance New Homes MTP	\$765,000	943	\$947,262	\$90,059			\$1,037,321
Residential Pool Pump Pilot MTP	\$150,300	27	\$73,663	\$10,881			\$84,544
Residential SOP	\$3,359,298	5,229	\$3,365,278	\$329,413			\$3,694,691
SMART Source SM Solar PV MTP	\$326,000	90	\$307,751	\$32,765			\$340,516
Hard-to-Reach							
Hard-to-Reach SOP	\$1,412,560	2,715	\$1,412,439	\$176,684			\$1,589,123
Targeted Low-Income Energy Efficiency	\$1,799,159	522	\$1,826,488	\$173,448			\$1,999,936
Research and Development	\$545,125				\$177,822		\$177,822
EM&V							
Statewide EM&V Contractor	\$206,948					\$206,948	\$206,948
Total	\$16,175,451	13,393	\$15,204,570	\$1,573,717	\$177,822	\$206,948	\$17,163,057

Table 11: Program Funding for Program Year 2021– AEP Texas

³ Projected Budget from the revised EEPR filed May 2021 Project No. 51672.

IX. Market Transformation Program Results 2021

Commercial Solutions MTP

The Commercial Solutions MTP goal was to acquire 1,433 kW demand savings. A total of 1,655 kW was achieved by participation of 148 customers.

CoolSaversm MTP (Central Division Only)

The CoolSaver[™] MTP verified and reported 5,796 kW. This included participation by 2,749 residential and commercial customers.

High-Performance New Homes MTP (New Homes) (Central Division Only)

In 2021, 943 high-performance homes were constructed in the New Homes program with a savings of 2,266 kW. The favorable home construction environment in 2021 increased the number of program homes and customers learning about and benefiting from energy efficient homes. The program provided continuing education courses and other training opportunities for contractors, homebuilders, home energy raters, HVAC contractors and other market actors on the advantages of High-Performance and ENERGY STAR homes and building practices. Training for HVAC market actors focused on Manual J training to re-emphasize the importance of performing load calculations for correctly sizing HVAC systems. AEP Texas continued their partnership with the Environmental Protection Agency's (EPA) ENERGY STAR program and received the ENERGY STAR Partner of the Year Sustained Excellence award.

Open MTP

The Open MTP goal was to acquire 1,184 kW demand savings. A total of 1,215 kW was achieved with 216 small commercial customers and 10 participating contractors.

Residential Pool Pump Pilot MTP

The Residential Pool Pump Pilot MTP was projected to acquire 127 kW demand savings for Central Division. A total of 14 kW was achieved. This included participation by 27 customers.

SCORE/CitySmart MTP

The SCORE/CitySmart MTP was projected to acquire 2,364 kW demand savings A total of 2,488 kW was achieved. This included participation by 101 customers.

SMART SourceSM Solar PV MTP

The PV MTP projected to acquire 806 kW in demand savings and 1,483,553 kWh in energy savings from the residential and non-residential components. A total of 100 residential and non-residential solar PV projects were completed within the program, resulting in a peak demand reduction of 705 kW and 2,464,792 kWh of energy savings.

X. Administrative Costs and Research and Development

Administrative Costs

Administrative costs incurred to meet the energy efficiency goals and objectives include, but may not be limited to, energy efficiency employees' payroll, 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 that 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 AEP Texas meet future energy efficiency goals by researching new technologies and program options and developing better, more efficient ways to administer current programs. In 2021 AEP Texas dedicated resources to enhance data collection and management systems for current programs. In addition, AEP Texas participated with Electric Utility Marketing Managers of Texas (EUMMOT) in researching potentially new deemed savings measures for various programs.

Informational Activities

AEP Texas continues its best effort to encourage and facilitate the involvement of REPs and EESPs in the delivery of its programs to customers.

XI. 2022 Energy Efficiency Cost Recovery Factor (EECRF)

AEP Texas' 2022 EECRF was approved by the Commission in Docket No. 52199 and includes \$20,431,463 for AEP Texas as shown in Table 12. The adjusted factors are shown in Table 13.

2022 Projected Costs	\$17,647,659
Performance Bonus for 2020 results	\$8,673,275
Under-recovery, collected from customers with interest	\$361,935
EECRF proceeding expenses	\$37,822
Projected EM&V costs	\$211,359
Total EECRF	\$26,921,197

Table 12: 2022 EECRF

Table 13: 2022 EECRF Factors

Customer Class	AEP Texas
Residential Service	\$0.001201 per kWh
Secondary Service (less than or equal to 10 kW)	\$0.001042 per kWh
Secondary Service (greater than 10 kW)	\$0.001142 per kWh
Primary Service	\$0.000255 per kWh
Transmission Service	\$0.000323 per kW

XII. 2021 EECRF Summary

2021 Collections for Energy Efficiency

AEP Texas collected \$19,813,832 through its 2021 EECRF. A performance bonus of \$3,475,676 for exceeding its 2019 energy efficiency goals and \$948,163 returned to customers are reflected in the total amount collected for energy efficiency in 2021.

Energy Efficiency Program Costs Expended

AEP Texas expended a total of \$17,160,336 for its 2021 energy efficiency programs. The amount expended is \$794,270 less than the 2021 projected budget of \$17,954,606 for energy efficiency programs.

Over-Recovery of Energy Efficiency Costs

AEP Texas' actual 2021 energy efficiency program costs (including EM&V costs) less municipal rate case expenses are \$16,516,076. AEP Texas also removed financially based incentives of \$56,809 for a total program cost for the determination of the over/under-recovery of \$16,459,267;

and actual energy efficiency program revenues are \$17,286,319. These associated 2021 costs and revenues result in a total over-recovery of energy efficiency costs of \$827,052. Including interest of \$7,782 the over-recovery is \$834,835. This is the amount that the AEP Texas will request be returned to customers within its 2023 EECRF.

XIII. Underserved Counties

AEP Texas has defined Underserved Counties as any county in the service territory for which no demand or energy savings were reported through any of its 2021 SOPs or MTPs. Per 16 TAC § 25.181(1)(2)(U), a list of the Underserved Counties is shown in Table 14:

Atascosa	Donley	Kenedy	Motley
Baylor	Edwards	Kent	Nolan
Briscoe	Foard	Kimble	Pecos
Brown	Gillespie	King	Real
Caldwell	Goliad	Kinney	Stephens
Collingsworth	Guadalupe	Knox	Throckmorton
Crane	Irion	Mason	Upton
DeWitt	Jeff Davis	McCulloch	Wheeler
Dickens	Jim Hogg	McMullen	Wilson

Table 14: Underserved Counties

ACRONYMS

COMMISSION	Public Utility Commission of Texas
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, 25.182 and 25.183
EESP	Energy Efficiency Service Providers
EPA	Environmental Protection Agency
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
МТР	Market Transformation Program
NAP	Not Applicable
New Homes	High-Performance New Home Market Transformation Program
Open MTP	Open Market Transformation Program

Acronyms (Continued)

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
тсс	AEP Texas Central Company (now the Central Division of AEP Texas)
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

Reported and Verified Demand and Energy Reduction by County: AEP Texas

				Reported	and Verifi	ed Demand	and Energy	y Reduction	by County	: Central				
		mercial ons MTP	Commercial SOP		CoolSaverSM A/C Tune-Up MTP (Commercial)		CoolSaverSM A/C Tune-Up MTP (Residential)		Hard-to-Reach SOP		High Performance New Homes MTP		Load Management SOP	
	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh
Aransas									0.8	1,243	121.7	170,003		
Bee			3.4	17,908			0.3	1,193		2,654	1.3	2,668		
Brooks									5.7	12,592				
Calhoun	8.6	47,494									10.4	17,873	118.0	118
Cameron	130.7	486,238	398.8	1,857,282	690.1	1,341,111	43.8	222,280	104.8	216,874			3,823.5	3,824
Coleman														
Colorado											1.3	3,464	22.2	22
Dimmit			23.4	119,007									29.1	29
Duval														
Frio													35.5	35
Gonzales														
Hidalgo	391.8	1,665,613	1,140.9	5,987,119	2,153.2	4,303,724	501.5	2,407,386	1,232.0	3,061,366	393.8	555,869	2,584.7	2,585
Jackson	8.6	47,494												
Jim Wells									6.5	16,205	3.8	4,882	106.1	106
Karnes													80.7	81
Kleberg									15.9	42,819	1.8	2,109	104.9	105
La Salle	5.3	36,669												
Live Oak			2.5	13,341					2.5	3,619				
Matagorda									1.0	1,283			0.0	0
Maverick			112.7	550,625									159.2	159
Medina													112.4	112
Nueces	200.4	844,036	799.7	4,280,646	1,446.6	2,968,679	522.2	2,710,871	240.7	487,038	1,366.7	1,910,026	2,225.6	2,226
Refugio											18.2	21,709	0.8	1
San Patricio	15.3	59,515	399.8	4,033,214	34.2	71,004	30.0	155,655	20.1	42,749	255.2	379,499	5,922.5	5,923
Starr	14.2	57,245			173.4	331,205	4.7	24,345	76.3	180,676			193.8	194
Uvalde	9.1	35,460											165.1	165
Val Verde			12.9	50,261					1.1	1,964			102.3	102
Victoria	7.9	30,896	5.6	34,854					45.0	58,172		27,021	154.7	155
Webb	113.4	591,010	52.3	290,248			151.6	786,953	30.3	52,893		152,888	2,217.5	2,217
Wharton	71.1	359,955								,			, 101.5	101
Willacy							44.7	231,861	1.2	2,240			1,094.2	1,094
Zapata														
Zavala														

Reported and Verified Demand and Energy Reduction by County: AEP Texas (Continued)

				Repo	rte d and Ve	rified Dema	and and Er	ergy Reduct	tion by C	ounty: Cent	ral (Con	tinue d)	••				
County		Open MTP		Residential SOP		Residential Pool Pump Pilot MTP		SCORE/CitySmart MTP		SMART SourceSM Solar PV MTP (Commercial)		SMART SourceSM Solar PV MTP (Residential)		Targeted Low- Income Energy Efficiency Program		Total	
	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	
Aransas			7.4	17,647	8.7	108,318									138.5	297,211	
Bee			1.8	8,445											8.0	32,868	
Brooks	4.2	18,932	10.6	29,126											20.5	60,650	
Calhoun															137.0	65,485	
Cameron	91.8	359,446	478.0	2,990,833	0.6	7,317			140.0	465,530			59.9	102,359	5,962.0	8,053,094	
Coleman							13.9	52,819							13.9	52,819	
Colorado															23.6	3,486	
Dimmit													83.6	134,490	136.1	253,526	
Duval			0.4	2,901			154.4	234,150							154.9	237,051	
Frio							0.6	2,219							36.0	2,254	
Gonzales											3.6	10,175			3.6	10,175	
Hidalgo	417.0	1,684,319	1,314.4	6,638,857			253.7	1,100,863	41.6	229,893	99.2	348,725	252.8	421,691	10,776.5	28,408,009	
Jackson															8.6	47,494	
Jim Wells			31.6	215,705											148.0	236,898	
Karnes															80.7	81	
Kleberg			11.0	61,756							7.1	22,224			140.7	129,014	
La Salle											15.0	40,761	10.0	14,542	30.2	91,972	
Live Oak															5.0	16,960	
Matagorda							127.1	374,344							128.1	375,627	
Maverick											6.7	23,847	67.1	115,892	345.8	690,523	
Medina															112.4	112	
Nueces	207.5	974,754	187.6	1,129,177	1.7	20,649	493.6	2,223,876			53.7	202,074	82.5	194,066	7,828.4	17,948,117	
Refugio											8.8	23,293			27.8	45,003	
San Patricio			21.8	108,593	3.5	43,902	317.9	1,453,605			4.0	13,135			7,024.3	6,366,794	
Starr			271.2	1,526,130							15.4	46,150			749.0	2,165,945	
Uvalde													42.0	71,563	216.2	107,188	
Val Verde													125.7	175,041	242.1	227,369	
Victoria			2.8	6,382			43.0	154,038						,	270.8	311,518	
Webb	105.7	455,248					21.9	69,914			116.6	409,430	80.1	117,978	2,969.1	2,928,779	
Wharton							120.9	1,076,414				,			293.4	1,436,470	
Willacy			3.6	7,818			383.0	1,259,229							1,526.8	1,502,242	
Zapata	16.7	83,291						, ,							16.7	83,291	
Zavala											5.9	21,503	15.3	26,777	21.2	48,281	

Reported and Verified Demand and Energy Reduction by County: AEP Texas (Continued)

	Reported and Verified Demand and Energy Reduction by County: North												
County	Commercial Solutions MTP		Commercial SOP		Hard-to-Reach SOP			nagement OP	Ope	n MTP	Residential SOP		
	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	
Brewster													
Callahan					1.1	1,135			8.7	50,487	9.9	15,596	
Childress			1.6	6,590	14.3	22,974			3.9	16,292	4.0	6,709	
Coke	3.9	18,077											
Concho									9.1	42,889	0.4	870	
Cottle													
Crockett	59.4	307,762	0.9	4,775									
Eastland													
Fisher	1.7	7,236											
Hall											5.7	16,394	
Hardeman					9.5	12,988					6.3	8,944	
Haskell	17.0	87,932					14.9	15					
Jones	1.2	5,325			1.9	3,496					7.6	12,953	
Menard									1.2	4,672			
Presidio					1.1	3,365					71.8	341,227	
Reagan			0.9	4,775									
Reeves													
Runnels	1.0	5,810					33.2	33	7.1	30,056			
Schleicher									2.3	8,143			
Shackelford											4.5	10,420	
Sterling	4.4	19,772							1.4	5,627			
Stonewall	17.0	87,932											
Sutton	2.9	13,255	1.7	9,550									
Taylor	438.9	2,228,914	164.8	836,258	151.1	264,754	1,799.5	1,800	203.0	796,528	364.6	624,886	
Tom Green	131.4	605,521	63.5	327,812	312.9	438,449	357.9	358	136.6	590,218	111.0	213,420	
Wilbarger							87.6	88			34.7	100,513	

Reported and Verified Demand and Energy Reduction by County: AEP Texas (Continued)

	Reported and Verified Demand and Energy Reduction by County: North (Continued)												
County		/CitySmart VITP	SMART SourceSM Solar PV MTP (Commercial)		SMART Sour PV MTP (Re		Energy	Low-Income Efficiency ogram	Total				
	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh			
Brewster					3.8	12,363			3.8	12,363			
Callahan	28.6	218,072							48.3	285,289			
Childress									23.9	52,565			
Coke	11.7	45,449							15.6	63,526			
Concho									9.5	43,759			
Cottle							0.3	239	0.3	239			
Crockett									60.2	312,537			
Eastland							42.9	89,704	42.9	89,704			
Fisher									1.7	7,236			
Hall									5.7	16,394			
Hardeman									15.9	21,932			
Haskell									31.9	87,947			
Jones	6.5	18,495							17.2	40,268			
Menard									1.2	4,672			
Presidio					9.9	36,847			82.9	381,438			
Reagan									0.9	4,775			
Reeves					5.0	17,742			5.0	17,742			
Runnels	102.5	504,321							143.8	540,221			
Schleicher									2.3	8,143			
Shackelford									4.5	10,420			
Sterling									5.8	25,399			
Stonewall									17.0	87,932			
Sutton									4.6	22,805			
Taylor	31.8	174,905			44.8	155,033	446.1	932,235	3,644.5	6,015,311			
, Tom Green	252.6	611,516	19.9	55,725	64.2	201,548			1,450.0	3,044,566			
Wilbarger			35.7	111,066	4.6	17,728			162.5	229,394			

APPENDIX B:

PROGRAM TEMPLATES

AEP Texas does not have any Program Templates to report this year.

APPENDIX C:

OPTIONAL SUPPORTING DOCUMENTATION