



## **Filing Receipt**

**Filing Date - 2025-02-25 04:23:09 PM**

**Control Number - 38578**

**Item Number - 156**



February 25, 2025

Commission Filing Clerk  
Public Utility Commission of Texas  
1701 N. Congress Ave  
P.O. Box 13326  
Austin, TX 78711

RE: Project Number 38578 – AEP Texas Winter Energy Efficiency Implementation Project (EEIP)

AEP Texas submits the following presentation titled, “Serving Low-Income Customers Across Texas Geographies” to be presented at the Winter Energy Efficiency Implementation Project (EEIP) meeting on Wednesday, February 26, 2025, at the William B. Travis Building.

If you have any questions, please contact me at (361) 881-5549.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Cavazos", with a long horizontal line extending to the right.

Robert Cavazos

Energy Efficiency & Consumer Programs Manager



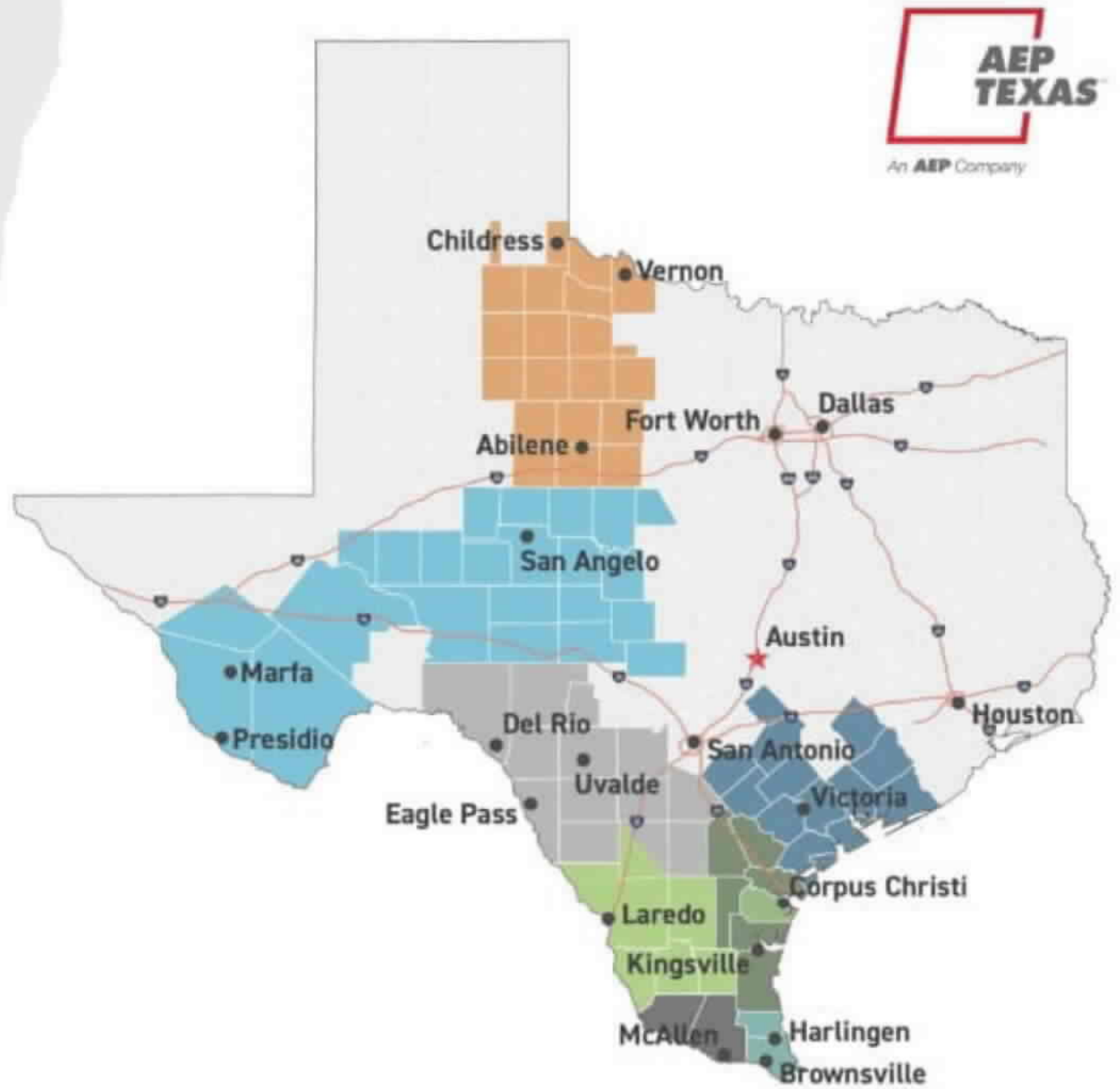
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# Serving Low-Income Customers Across Texas Geographies

Winter 2025 EEIP Meeting, Austin, February 26, 2025

- AEP Texas is a Transmission and Distribution Service Provider in the ERCOT competitive energy marketplace
- Responsible for delivery and metering - does not sell energy to customers
- Service Area – 97,000 sq. miles
- Cities and towns served – 372
- Counties served – 92
- Residential Meters – over 1 million





2025 Projections			
Program	Budget	kW	kWh
<b>Commercial</b>	<b>\$8,241,695</b>	<b>50,390</b>	<b>56,330,372</b>
Commercial Foodservice Pilot MTP	\$305,000	52	346,122
Commercial Solutions MTP	\$993,733	4,125	21,317,683
Commercial SOP	\$1,865,229	2,969	11,807,055
CoolSaver <sup>SM</sup> A/C Tune-Up MTP	\$885,222	3,466	8,047,475
Load Management SOP	\$823,000	25,709	25,709
Open MTP	\$1,344,000	1,215	5,234,159
SCORE/CitySmart MTP	\$1,328,184	2,463	8,259,385
SMART Source <sup>SM</sup> Solar PV MTP	\$322,327	391	1,282,784
Winter Load Management SOP	\$375,000	10,000	10,000
<b>Residential</b>	<b>\$6,708,414</b>	<b>13,905</b>	<b>24,048,617</b>
CoolSaver <sup>SM</sup> A/C Tune-Up MTP	\$916,667	1,594	6,250,000
High-Performance New Homes MTP	\$1,072,222	2,273	3,731,061
Residential Demand Response Pilot SOP	\$275,000	6,086	18,257
Residential SOP	\$3,534,525	3,039	10,216,014
SMART Source <sup>SM</sup> Solar PV MTP	\$745,000	913	3,002,285
Smart Thermostat Multi-Family MTP	\$165,000	0	831,000
<b>Hard-to-Reach</b>	<b>\$3,555,703</b>	<b>3,253</b>	<b>7,279,788</b>
Hard-to-Reach SOP	\$1,569,400	1,449	4,005,591
TLI EE Program	\$1,986,303	1,804	3,274,197
<b>R&amp;D</b>	<b>\$353,646</b>		
<b>Total</b>	<b>\$18,859,458</b>	<b>67,548</b>	<b>87,658,777</b>
<b>EM&amp;V</b>	<b>\$233,450</b>		

# Highlights



## Hard to Reach Standard Offer Program

- 208 Heat Pumps installed – HTR SOP, multi-family, Abilene

## Multi-family Smart Thermostat Pilot Program

- Approx. 1600 smart thermostats 2024

## Residential Demand Response Pilot

- New program for 2025

## SMART Source Market Transformation Program

- New measures for 2025 – Battery storage and EV chargers

# Energy Efficiency Programs Offered

## Residential

- CoolSaver AC Tune-Up
- Residential Standard Offer Program
- SMART Source Solar PV
- Smart Thermostat Multi-Family MTP
- ResDR SOP
- High Performance New Homes

### **“Hard-to-Reach”**

- Hard-to-Reach Standard Offer Program
- Targeted Low Income Energy Efficiency

## Commercial

- Open MTP
- Commercial Solutions
- Commercial Standard Offer Program
- CoolSaver AC Tune-Up
- Load Management (summer and winter)
- Commercial Food Service
- SCORE/CitySmart
- SMART Source Solar PV

# Agency Partners



## Non-Profit Weatherization Partners

- Ark-Tex Council of Governments
- Christian Brothers Community Development
- City of Laredo Municipal Housing
- Community Action Committee of Victoria
- Community Council of South-Central Texas
- Community Services Agency of South Texas
- Greater East Texas Community Action Program
- Harlingen Community Development Corporation
- NeighborWorks Laredo
- Rolling Plains Management Corporation





# 2024 Accomplishments

- 660+ residences served
- 1,538 measures installed
- Energy savings
  - ~1,104 peak kW
  - ~2.168 million kWh



# Program Innovations



Targeted approach to heat pumps – competitive solicitation for projects among for-profit owned MF properties



Support of “Priority List” approach in lieu of NEAT audit – can reduce assessment time



Support of community partners beyond federal weatherization agencies – local non-profits, contractors



Solar – pilot project at senior housing in Carrizo Springs; looking into expansion opportunities



# Program Issues and their Consequences

- Traditional comprehensive weatherization for single family homes tends to be costly
  - Whole home assessments and agency administrative fees add program costs without creating savings
  - Safety and repair issues disqualify many homes from participation
  - Difficult to achieve program SIR > 1
- TRM savings are inconsistent with federal weatherization models
  - Models must be adapted and acceptance criteria modified, to ensure measures qualify based on their cost effectiveness
- Programs must plan for cost-effectiveness based on preliminary estimates of retail energy prices
  - But ultimately are evaluated based on actual retail energy prices
  - This introduces risk to program cost effectiveness each year, especially if retail prices are declining



# Solar Pilot Project



## Project Development Strategies

- Partner with local agency lead (CSAST) to identify pilot opportunities/ community assessments
- Utilize smaller system sizes to minimize outflows subject to REP plan
- Minimize installation costs
  - Utilize competitive bidding
  - Concentrate installations in a small area
  - Use a consistent system design
- Educate community on maximizing value from their systems





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# Solar Pilot Outcomes

- 13 2kWdc systems installed at Villa de Reposo elderly housing in Carrizo Springs
- Total cost: \$2.92/WDC
  - \$1.95/WDC via AEP Texas targeted low-income weatherization program
  - \$0.97/Wdc via HUD repair funding secured by CSAST
- Developed community education materials in English and Spanish



## Rooftop Solar at Carrizo Springs!

Here's some important information about your new solar rooftop system to help you maximize your electric bill savings with clean energy!

Your 1.9 kilowatt DC system is expected to produce a bit over half of the average annual energy consumption at the Villa de Reposo apartments.

These solar energy systems **produce more energy in summer and between 10 am and 3 pm on sunny days**. They **don't produce energy during power outages or at night**.

The solar energy your system generates is available instantly. By generating more solar energy, you buy less power from your retail electric provider (REP). If your system generates more energy than you need, it goes back into the grid.

**Reduce** energy consumption generally  
<https://www.aeptexas.com/savings>

**Research** and select an REP offer that works best for you  
<https://www.solarunitedneighbors.org/Texas>

**Rearrange** energy consumption to coincide with when solar energy is available

**Relax** knowing your solar energy system is saving you money with clean energy!

**Remember  
the 4 R's**

Want more information about solar? Contact the  
**Texas Solar Energy Society (TXSES)**  
[www.txses.org](http://www.txses.org)



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# Key Contacts

## AEP Texas

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## Frontier Energy

(implementer)

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