

2010 Program Results and 2011 Program Plans

Energy Efficiency Implementation Project (EEIP)

June 2, 2011



ELECTRIC UTILITY
MARKETING MANAGERS
OF TEXAS

Agenda



1. **Statewide Results, 2010**
2. **Overview of Statewide Plan, 2011**
3. **Energy Efficiency Portfolio Overview by Utility**
 - 2011 Energy Efficiency Plan and Report (EEPR)
 - Future Programs and Anticipated Changes
 - Pilot Program Results
 - AEP Texas Central Company
 - AEP Texas North Company
 - CenterPoint Energy
 - El Paso Electric Company
 - Entergy Texas
 - Oncor
 - SWEPCO
 - Texas New Mexico Power
 - Xcel

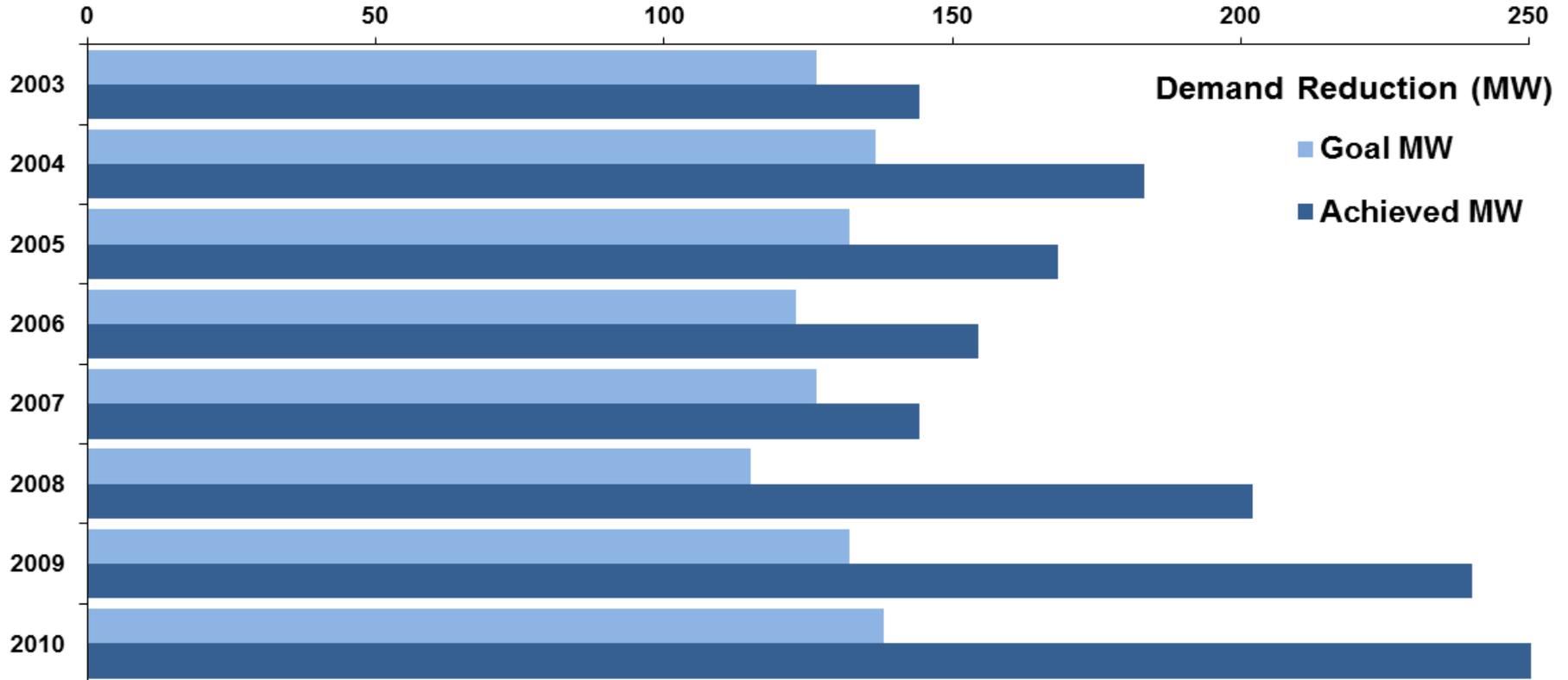
2010 Program Results



Statewide Totals

- \$105 Million Spent on Energy Efficiency Programs
- 301 MW Demand Reduction
 - 118% over mandated goal of 138 MW
- 536 GWh Energy Savings
 - Equivalent to 281,706 pounds of non-baseload NOx emissions/year

Total Demand Reduction



1999 - 2010: Statewide demand reduction and energy savings = 1,666 MW and 4,110 GWh

2011 Overview



PUC Mandated Goal = 143 MW

Projected Statewide Spending = \$115 Million

Statewide Demand Reduction and Energy Savings

- Utility Projections:
 - 311 MW
 - 565 GWh

AEP Texas (Texas Central Company)





2010 Results

- \$12.898 Million Spent on Energy Efficiency Programs
- 26.962 MW Demand Reduction
- 57,665 MWh Energy Savings

AEP Texas Central Company



2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
AEP Texas CARE\$	Energy Star New Homes MTP	HTR SOP
Commercial Solutions Pilot MTP	Residential SOP	Targeted LI Weatherization
Commercial SOP	SMART Source SM Solar PV Pilot MTP	
Load Management SOP	AC Tune-Up Pilot MTP	
SCORE/CitySmart MTP		
SMART Source SM Solar PV Pilot MTP		
AC Tune-Up Pilot MTP		

Future Programs, 2012/2013

- AC Distributor Pilot MTP
- Low-income Energy Monitor Program

Major Changes to Programs Anticipated

- AC Tune-Up MTP (from Pilot to Permanent status)
- SMART SourceSM Solar PV Pilot MTP (from Pilot to Permanent status)
- Commercial Solutions Pilot MTP (from Pilot to Permanent status)

Pilot Program Results and Lessons Learned

- **Commercial Solutions Pilot MTP**

Baseline study underway to analyze the effectiveness of the pilot program
Results will be incorporated into an RFP planned for later this year

- **CoolSaver A/C Tune-up Pilot MTP**

2nd Year Pilot, contacts with > 120 contractors. Currently have 5 A/C contractors enrolled in program and actively performing tune-ups.

Results:	<u>2010</u>	<u>YTD through 4/30/11</u>
Number of Tune-ups	38	74
kW Savings	13.75	21.76
kWh Savings	40,073	65,171

AEP Texas (Texas North Company)



2010 Results

- \$2.238 Million Spent on Energy Efficiency Programs
- 5.091 MW Demand Reduction
- 14,194 MWh Energy Savings

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
AEP Texas CARE\$	Residential SOP	HTR SOP
Commercial Solutions Pilot MTP	SMART Source SM Solar PV Pilot MTP	Targeted LI Weatherization
Commercial SOP		
Load Management SOP		
SCORE/CitySmart MTP		
SMART Source SM Solar PV Pilot MTP		

Future Programs, 2012/2013

- AC Distributor Pilot MTP
- Low-income Energy Monitor Program

Major Changes to Programs Anticipated

- SMART SourceSM Solar PV Pilot MTP (from Pilot to Permanent status)
- Commercial Solutions Pilot MTP (from Pilot to Permanent status)

Pilot Program Results and Lessons Learned

Commercial Solutions Pilot MTP

- Baseline study underway to analyze the effectiveness of the pilot program
- Results will be incorporated into an RFP planned for later this year

CenterPoint Energy



2010 Results

- \$28,806,909 Spent on Energy Efficiency Programs
- 121 MW Demand Reduction
- 139,700 MWh Energy Savings

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Commercial SOP	Energy Star New Homes MTP	HTR SOP
Load Management SOP	Residential SOP	Targeted LI Weatherization (712)
Retro-Commissioning MTP	AC Distributor MTP	Multi-Family Water & Space Heating
SCORE/CitySmart MTP	Advanced Lighting Program	Agencies in Action
Advanced Lighting Program – LED Pilot		Community Weatherization

Future Programs, 2012/2013

- Retail Electric Provider Pilot SOP
- Home Performance with Energy Star MTP
- Energy Efficiency Ambassador Pilot Program

Major Changes to Programs Anticipated

- Commercial SOP savings to decrease with lighting change
- Energy Star New Homes Program savings to decrease

Pilot Program Results and Lessons Learned

No pilot programs in 2010

Current R&D Projects

Purpose – show potential of AMS smart meters in EE

- Smart Partners Residential Generator
- Smart Partners Residential Direct Load Control
- Residential In-Home Display Project

El Paso Electric Company (EPE)



2010 Results

- \$4.17 Million Spent on Energy Efficiency Programs
- Goals
 - 7.56 MW
 - 21,404 MWh
- Achievement
 - 9.857 MW 130% of Goal
 - 21,404 MWh 100% of Goal

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Commercial SOP	Residential Solutions Pilot MTP	HTR Solutions Pilot MTP
Small Commercial Solutions Pilot MTP	Living Wise MTP	Energy Saver (TDHCA)
Large C&I Solutions Pilot MTP	Appliance Recycling Pilot MTP	
Texas SCORE Pilot MTP	PV Solar Pilot MTP	
Load Management SOP		

Future Programs, 2012/2013

No New Programs identified at this time.

Major Changes to Programs Anticipated

- Taking the following Pilot Programs to Full Programs in 2012
 - Small Commercial Solutions Pilot MTP
 - Large C&I Solutions Pilot MTP
 - Texas SCORE Pilot MTP
 - Residential Solutions Pilot MTP
 - Appliance Recycling Pilot MTP
 - HTR Solutions Pilot MTP
- Reduction in Incentives for PV Solar Pilot MTP in 2012

Pilot Program Results and Lessons Learned

Residential & Small Commercial Solutions Pilot MTP

- Need to separate Small Commercial and Residential Programs
- Contractor Driven for both Residential and Commercial
- Different Contractor Base
- Different Factors Influence Contractors
- Study currently underway

Large C&I Solutions Pilot MTP

- Study currently underway

Entergy Texas, Inc (ETI)



2010 Results

- \$7.048 Million Spent on Energy Efficiency Programs
- 13.2 MW Demand Reduction
- 28,630 MWh Energy Savings

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Commercial Solutions MTP	Energy Star New Homes MTP	HTR SOP
SCORE/CitySmart MTP	Residential SOP	
Load Management SOP	Solar PV MTP	
Solar PV MTP	Premium Lighting MTP	

Future Programs, 2012/2013

- Home Performance with Energy Star MTP

Major Changes to Programs Anticipated

- Incentives will decrease due to raising of the baselines in both residential and commercial
- Cost per kW saved will increase as baselines are increased
- Programs that have a higher \$/kW savings ratio budget may be adversely affected because of the cost caps. This would include Hard-to-Reach SOP and Solar PV

Oncor Electric Delivery (Oncor)



2010 Results

- \$41.1 Million Spent on Energy Efficiency Programs
- 101.1 MW Demand Reduction
- 225,785 MWh Energy Savings

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Commercial SOP	Energy Star New Homes MTP	HTR SOP
Small Commercial SOP	Air Conditioning MTP	Targeted Low Income Weatherization
Commercial Load Mgmt. SOP	Home Energy Efficiency SOP	
Emergency Load Mgmt. SOP	Res. Demand Response SOP	
Air Conditioning MTP	Energy Star Low Rise MTP	
Educational Facilities MTP		
Government Facilities MTP		

Future Programs, 2012/2013

- No additional programs are planned at this time.
- No pilot programs are planned at this time.

Major Changes to Programs Anticipated

- Revise Small Commercial and Commercial SOP processes to better meet market needs and increase participation in both programs.
- Although no other major changes are anticipated in 2012, all programs are reevaluated on an annual basis.

Southwestern Electric Power Company (SWEPCO)



2010 Results

- \$4.282 Million Spent on Energy Efficiency Programs
- 17.75 MW Demand Reduction
- 18,478 MWh Energy Savings

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Commercial Solutions Pilot MTP	Cool Saver [®] A/C Tune-Up Pilot MTP	Hard-to-Reach SOP
Commercial SOP	On-Line Energy Use Audit Tool*	Home\$avers
Cool Saver [®] A/C Tune- Up Pilot MTP	Residential SOP	
LED Lighting Pilot MTP	SMART Source SM Solar PV Pilot MTP	
Load Management SOP		
SCORE MTP		
Small Business Direct Install Pilot MTP*		
SMART Source SM Solar PV Pilot MTP		
SWEPCO CARE\$		

Future Programs, 2012/2013

- Considering a Heat Pump Water Heater Program

Major Changes to Programs Anticipated

- Commercial Solutions Pilot MTP to a permanent MTP
- Review CoolSaver[®] A/C Tune-Up Pilot MTP for conversion to a permanent MTP
- Retain SMART SourceSM Pilot MTP for residential applications only - Review for conversion to a permanent MTP
- LED Lighting Pilot MTP will be cancelled for 2012

Pilot Program Results and Lessons Learned

- **Commercial Solutions Pilot MTP**
 - Baseline study underway to analyze effectiveness of pilot program – Results will be incorporated into an RFP planned for later this year
 - 38 participating customers; better than anticipated - Increase due to additional focus on outreach.
 - Savings less than anticipated due to smaller size of projects - Economic uncertainty created reluctance to spend money.
- **CoolSaver® A/C Tune-up Pilot MTP**
 - Had difficulty finding interested contractors.
 - Customers were unwilling to spend extra dollars for the additional maintenance work for optimum efficiency.
 - A/C workers are transitory.
 - Diagnostic equipment is purchased by the technicians, not the contractors.

Pilot Program Results and Lessons Learned (cont.)

- **LED Lighting Pilot MTP**
 - Mid-year program start focused initial effort on outreach and program launch.
 - Prospective participants had a lack of urgency, as well as access to capital funds.
 - Local service providers had minimal experience with LED technology.
- **SMART Sourcesm Solar PV Pilot MTP**
 - Demand savings were 183% of projection.
 - Demand for funds was high enough that resources were moved from an under-performing program.
 - Activity occurred primarily in the commercial area.
 - This program has prompted the creation of four local solar companies.
 - A bill insert prompted additional calls.

Texas-New Mexico Power Company (TNMP)



2010 Results

- \$2.75 Million Spent on Energy Efficiency Programs
- 5.189 MW Demand Reduction
- 11,937 MWh Energy Savings

Pilot Program Results and Lessons Learned

SCORE/CitySmart/Commercial Solutions Pilot MTP

- 2010 Results
 - 60 Partners, 416 Projects, saved 2,075 kW / 5,453,822 kWh, \$852,385 incentives paid
- The Comm Sol component was added in 2010. The program on-the-whole has enrolled customers previously unable to do so due to lack of time, resources and/or knowledge, and has been effective in educating local contractors, architects and engineers about energy efficient technologies.

Low Income Weatherization Pilot

- 2010 Results
 - 83 Homes, saved 54 kW / 180,221 kWh, \$160,902 incentives paid
- Stimulus funds stifled some partners from participating, but the program identified non-traditional agencies to reach a broader audience.

Pilot Program Results and Lessons Learned Cont.

Underserved Area Pilot SOP

- 2010 Results
 - 510 Customers served, saved 239 kW / 1,004,173 kWh, \$160,972 incentives paid
- Through this program we have been able to set-aside funds for those areas in TNMP service territory that may not have been reached otherwise; allowing all customers the ability to participate and benefit.

Solar PV Pilot MTP

- 2010 Results
 - 6 Projects completed, saved 35 kW / 67,416 kWh, \$101,088 incentives paid
- The program has successfully transformed the market by mobilizing companies in local areas and across the state to install solar electric systems in underserved rural markets.

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Commercial SOP	Residential SOP	HTR SOP
Texas SCORE/CitySmart/ Commercial Solutions Pilot	EnergyStar New Homes MTP	Low Income Weatherization Pilot
Load Management Pilot	Underserved Area Pilot SOP	
	Solar PV Pilot	

Future Programs, 2012/2013

- Because TNMP was under a \$1M budget cap stipulation and successfully had it's first full program year in 2009, our position is to grow our existing program offerings for the next few years while conducting some research & development to determine those future programs that work best specifically in our service territory.

Xcel Energy



2010 Results

- \$2 Million Spent on Energy Efficiency Programs
- 3.67 MW Demand Reduction
- 15,699 MWh Energy Savings

2011 Energy Efficiency Portfolio

Commercial	Residential	Hard-to-Reach (HTR)
Large Commercial SOP	Residential SOP	HTR SOP
Small Commercial SOP		Low-Income Weatherization

Plans to expand program offerings in future years

- Potential Programs
 - Load Management SOP
 - Retro-Commissioning MTP

Questions?



Making Texas Energy Efficient

www.TexasEfficiency.com