



TNMP's

Commercial Energy Efficiency Programs

2018 Kick-Off



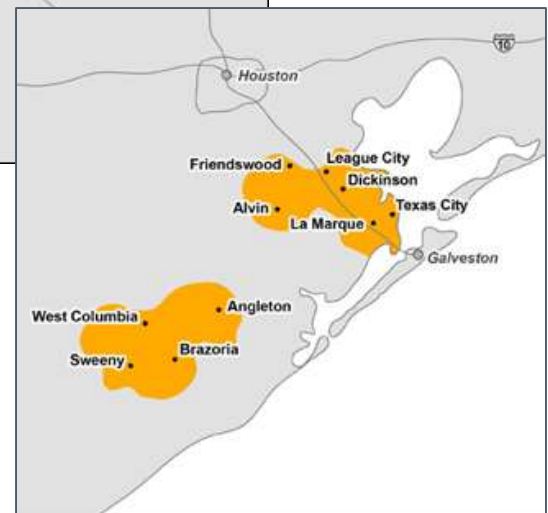
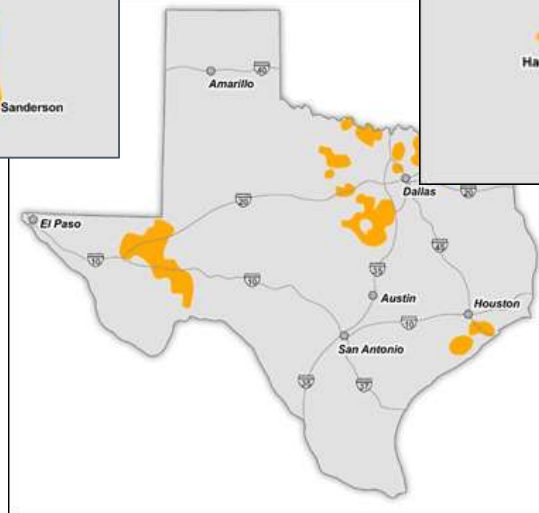
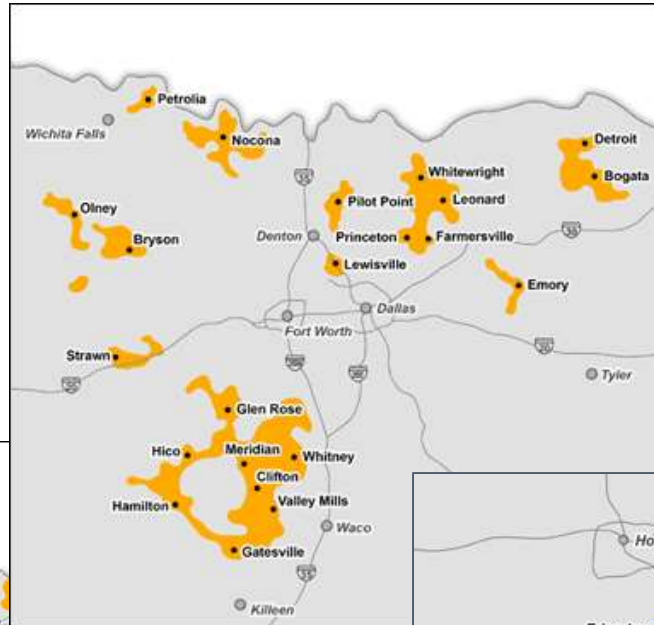
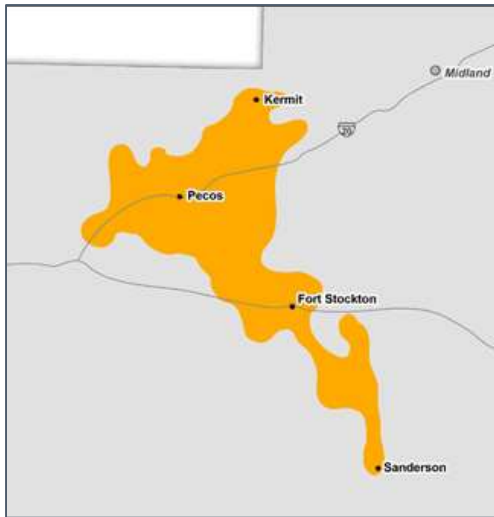
January 9, 2018

Agenda



- ★ Introductions
- ★ Program Overviews
 - Commercial Solutions
 - SCORE/CitySmart
- ★ 2017 Results and Success Stories
- ★ 2018 Updates and Key Changes
- ★ Reminders
- ★ Q&A

Where is TNMP?



Introductions



★ TNMP (Program Administrator)

- Stefani Case, Energy Efficiency Manager
- Ashley Mitchell, Energy Efficiency Specialist

★ CLEAResult (Program Implementer)

- Fred Wu, Program Director
- Michael Skeen, Program Consultant (North/Central/West)
- Josh Campbell, Senior Program Consultant (Gulf)
- Chelsea Proeschel, Program Consultant (Small Business)
- Boone Drummond, Energy Engineer
- Emmett Ballard, Commercial Energy Auditor

Team Roles



Program Administrator

CLEARResult

Program Implementer

Program Background



- ★ Why does TNMP offer energy efficiency programs?
- ★ How is energy efficiency a resource?
- ★ Who can participate?
- ★ What programs are offered?

Program Website



Energy Efficiency Programs



Now is the time to reduce your energy usage and increase your savings. We have customized incentive programs for every customer, whether you are interested in residential or commercial programs. With something for everybody, TNMP puts the power to save in your hands.



Find a Contractor

Find a Contractor
(Residential Customers - Existing Homes)

Find a Homebuilder
(Residential Customers - New Homes)

Find a Contractor
(Small Business Customers)



Homes



Business



Government



Education



Nonprofit

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Program Overviews

★ For commercial business customers

★ Offers:

- Cash Incentives (varies per measure)
- Opportunity Assessments, Plan Review, and Engineering Analysis
- Technical Assistance
- Communications Support

★ Updates:

- <150 kW demand eligible for higher incentive (OPEN)
- LED tube lighting is no longer being incentivized

2018 Commercial Solutions Incentives



Lighting	\$100/kW	+	\$0.02/kWh
LEDs	\$150/kW	+	\$0.03/kWh
HVAC DX	\$125/kW	+	\$0.03/kWh
Chiller	\$150/kW	+	\$0.03/kWh
Motors	\$150/kW	+	\$0.03/kWh
VFD	\$100/kW	+	\$0.02/kWh
Window Film	\$50/kW	+	\$0.02/kWh
Roofing	\$150/kW	+	\$0.03/kWh
Solar PV	\$225/kW	+	\$0.05/kWh
Other	\$150/kW	+	\$0.03/kWh

*includes load factor cap

★ For K-12, higher education, and local government

★ Offers:

- Cash Incentives
- Energy Performance Benchmarking
- Energy Master Planning
- Opportunity Assessments, Plan Review, and Engineering Analysis
- Technical Assistance
- Communications Support

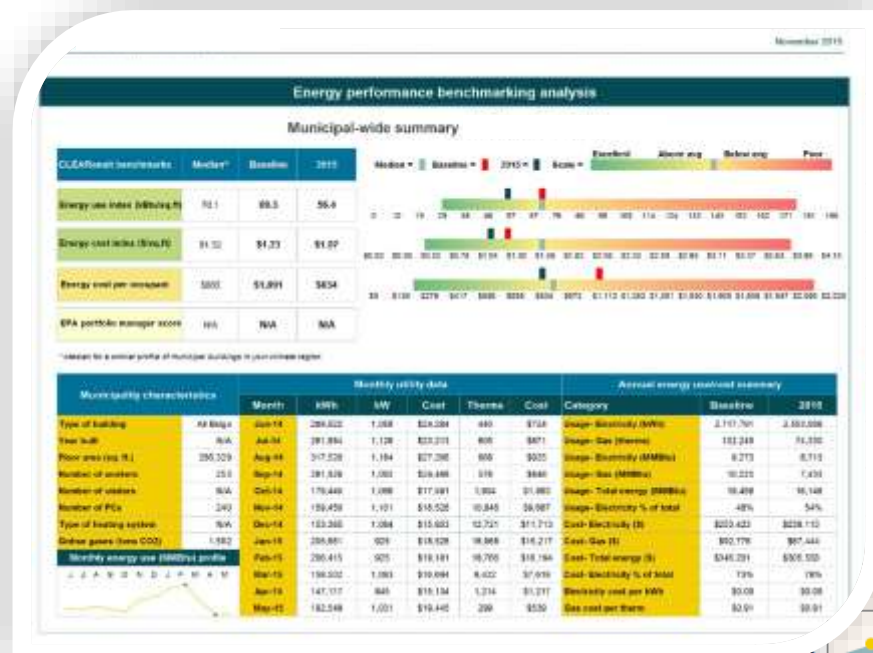
★ Updates:

- Incentive rates now offered on a measure specific level
- SCORE/CitySmart Lite track no longer available

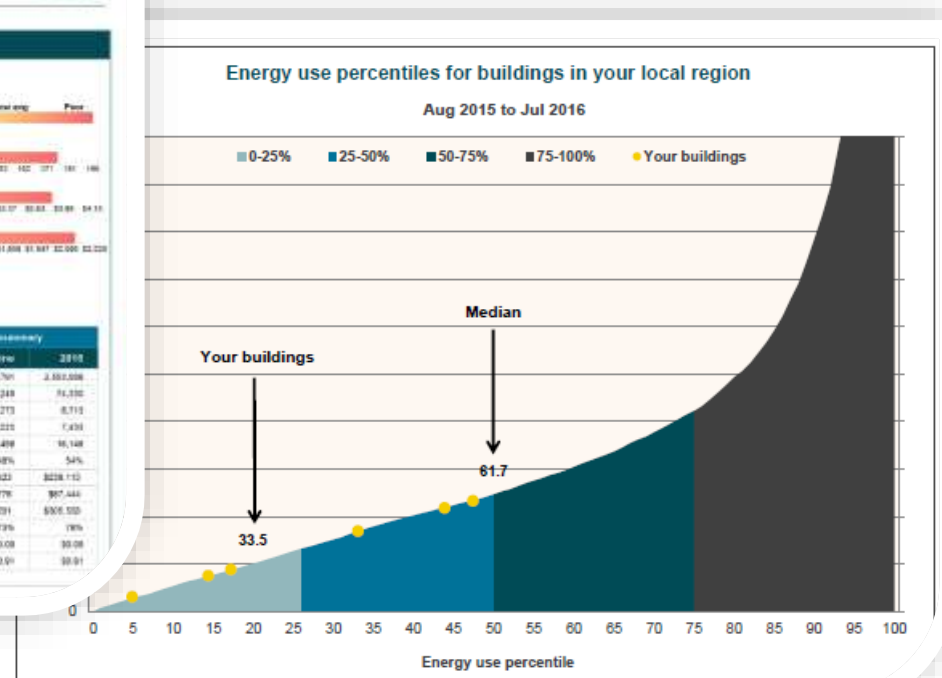
Benchmarking



- ★ Compare facility energy usage by square footage, type, vintage, etc.
- ★ Provides a starting point (if needed) to set energy management goals



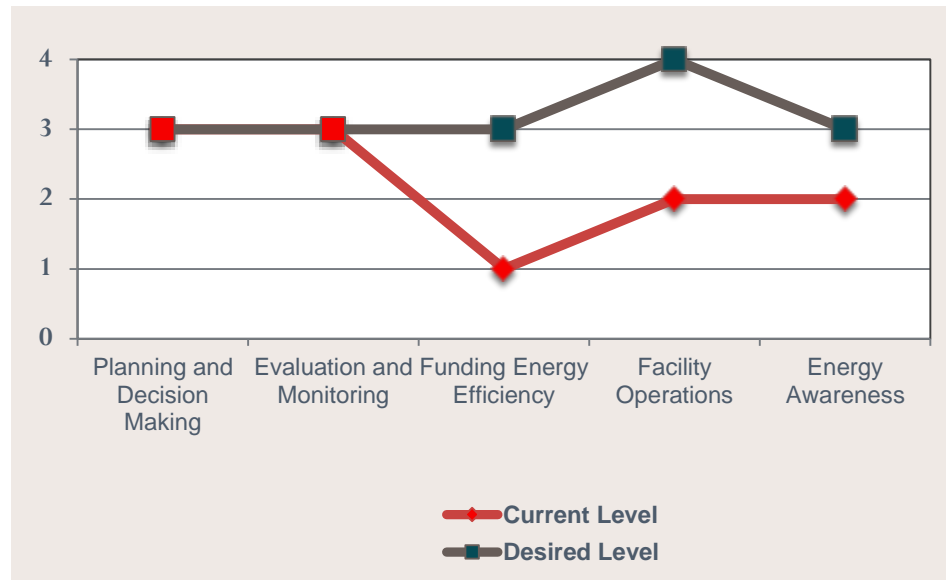
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Energy Master Planning



- ★ Convene decision makers to set energy management criteria and goals
- ★ Set the path and take control of your own energy destiny



Technical Assistance



- Move projects forward by helping participants identify, develop, and procure cost-effective EE investments
- Provide vendor neutral recommendations and/or design guidelines



Communications/PR Support



Energy Efficiency Programs Bulletin

Volume 8, Issue 1 | Summer 2017



Recently Completed Projects

NORMAN WINDOW FASHIONS, LEWISVILLE
Norman Window Fashions completed phase two of their interior LED retrofit. They installed 250 LED fixtures at their 400,000 sq. ft. warehouse, reducing energy consumption by over 60 percent. The 200 kW and nearly 980,000 kWh in energy savings achieved is equivalent to eliminating the annual greenhouse gas emissions from 77,500 gallons of gasoline.



RON CARTER, ALVIN

Ron Carter Autoland in Alvin recently completed a facility-wide interior and exterior lighting retrofit in partnership with Valderrama Energy Services. The project scope included replacement of over 1,500 HID and fluorescent lighting fixtures with LED fixtures. Resulting from this conversion to LED, Ron Carter is estimated to save around 226 kW and 1.2 million kWh annually. The combination of energy savings and improved light quality throughout the facility and inventory lots has made the project a huge success.

LEWISVILLE ISD, LEWISVILLE

LISD continues to be a leader in energy efficiency by improving their lighting quality while reducing energy consumption by over 66 percent. The district recently completed a lighting retrofit at their Westside Aquatics Center. The retrofit is projected to save 32 kW and nearly 160,000 kWh per year, which is equivalent to a total greenhouse emission reduction of 112 metric tons of carbon dioxide.

CIRCLE T, HAMILTON

Circle T Arena, a sporting and entertainment venue in Hamilton, TX, was looking to reduce their energy consumption and improve lighting quality for rodeo riders. The old lights were not only expensive to maintain, but gave out a lower quality light. The arena received a significant lighting retrofit, replacing 119 metal halide lights in its main arena with long-lasting, energy-efficient 119w LEDs. Reducing each light's energy consumption by 70 percent has made a major difference in utility costs while improving lighting levels. Circle T earned an incentive check of \$8,864 and is estimated to save around \$4,000 annually on their utility bill.

Texas-New Mexico Power offers a portfolio of commercial energy efficiency programs.

The SCORE® program provides viable energy optimization for school districts, colleges and universities. Designed to educate institutions on energy management and encourage investment in energy efficiency, this program helps partners minimize the impact of volatile energy costs, ease budget pressures, improve infrastructure and optimize learning environments for students.

The CitySmart® program helps local government utilities enhance energy efficiency, lower operating costs, improve air and environmental quality and meet legal state and regulatory requirements.

Similar to SCORE and CitySmart, the TNMP Commercial Solutions Program provides technical and financial support to help commercial and industrial organizations identify and implement energy efficiency upgrade projects.

The Open for Small Business Program targets commercial facilities below 100kW in demand to provide viable alternatives to energy efficiency upgrades.

For more information about the SCORE, CitySmart, Commercial Solutions and Open Programs, contact TNMP Project Manager Stefani Case at (214) 222-4774 or stefani.case@tnmp.com.

The programs are sponsored by TNMP and administered by CLEAResult. You can reach CLEAResult at (877) 930-5617 or TNmp@CLEAResult.com. Visit us online at TNmpEfficiency.com.



Small SCORE



- ★ For specified K-12 school districts in underserved areas of TNMP's service area with <2,000 students enrolled.
- ★ Offers:
 - Higher Cash Incentives: Additional \$100/kW (excluding solar)
 - Please contact your regional program representative for additional details

Vendor Neutrality



- ★ We are connectors in the markets we serve
 - No ties to manufacturers or installation firms
 - Program **does not** sell products or charge for services
 - These are no-cost Programs

- ★ We want projects to happen efficiently



2017 Results

2017 Program Results



Demand Savings (kW)	Annual Energy Savings (kWh)	Cash Incentives
1,670	9,453,016	\$401,000

- ★ 50 different partners (customers) participated
- ★ 106 energy efficiency projects completed
- ★ \$8.5M in lifetime energy savings (based on 2017 impacts)

Success Story: North Texas



- ★ Manufacturing facility lighting upgrade – (Lewisville)
 - Replaced all high bay (HID) lighting in 400K SF warehouse.
 - This project was large enough that it split into phases and spanned 2 program years (2016-17).
- ★ Savings (Phase 2):

220 kW / 979,782 kWh / \$88,000 saved annually
- ★ Incentives (Phase 2):

\$ 45,375



Success Story: North Texas



- ★ HVAC controls project – (Lewisville)
 - Project that installed HVAC controls on two main City buildings.
 - This was calculated and incentivized as an M&V project.
- ★ Savings: 104 kW / 488,332 kWh / \$43,949 saved annually
- ★ Incentives: \$28,000



Success Story: Central Texas



- ★ Complete lighting retrofit– (Glen Rose)
 - Complete upgrade at rodeo expo center of all inside and outside lighting to LED.
- ★ Savings: 55 kW / 277,434 kWh / \$ 24,969 saved annually
- ★ Incentives: \$13,581



Success Story: Gulf Coast



- ★ Blower and motor replacement – (La Marque)
 - Replaced blowers and motors with new turbo blowers, VFDs, and dissolved oxygen sensor controls.
 - This project was calculated and incentivized as an M&V project.
- ★ Savings: 105 kW / 550,000 kWh / \$6,300 saved annually
- ★ Incentives: \$27,000



Historical Program Results



Program Name	Demand Savings (kW)	Energy Savings (kWh/yr)	Cash Incentives (\$)
SCORE/ CitySmart	10,200	30,600,000	\$1,900,000
Comm. Solutions	5,800	27,600,000	\$1,265,000
TOTAL	16,000	58,200,000	\$3,165,000

- ★ Over 1,000 projects completed since 2008
- ★ Annual energy savings from installed measures =
\$5,250,000!



2018 Updates/Changes

2018 Program Goals



Program Name	Demand Savings (kW)	Energy Savings (kWh/yr)	Cash Incentives (\$)
SCORE/ CitySmart	600	2,750,000	\$147,630
Comm. Solutions	1,000	5,400,000	\$255,665
TOTAL	1,600	8,150,000	\$403,295

2018 Important Updates



- Incentive rates are now the same for Commercial Solutions & SCORE/CitySmart.
- Business customers with peak demand <150 kW qualify for higher incentives through the Open for Small Business program (OPEN).
- LED tubes no longer qualify incentives.
- All LEDs must be currently listed on an acceptable rating agency's website at time of project application - See Slide 35 for web locations of qualified products lists (QPLs).

A yellow lightbulb icon is positioned at the start of a horizontal yellow line that spans across the top of the slide.

Reminders

Ineligible Measures



- ★ Removable measures (e.g. most plug loads)
- ★ Cogeneration or self generation (except renewable)
- ★ Measures that require no capital investment
- ★ Thermal energy storage

Typical Project Process



Memorandum of Understanding or Project Agreement & Project Application Form

Pre-Inspection for retrofit projects

Construction

Post-Inspection

Engineering Verification & Incentive Payment

Project Timelines



★ Program Year

- January 1, 2018 – November 30, 2018
- Projects completing in December may be eligible to participate in the following year's program

Key Points



- ★ Incentive reservations are critical:
 - Programs review details and conduct any necessary pre-installation inspections.
 - Program representatives will confirm project funding, scope, and timeline before reserving incentives.

- ★ All projects and measures must meet eligibility requirements set out in TRM 5.0 (<http://www.texasefficiency.com/>)

Program Website



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Program Website



Details	Eligibility	Process	Resources
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The 2018 **Commercial Solutions Program** is currently being offered to any TNMP non-residential distribution customer (retail, real estate, healthcare, hospitality & food service, manufacturing). Educational and government facilities should check out the TNMP SCORE or CitySmart Programs instead.

The Commercial Solutions Program provides cash incentives for energy savings based on the rates below. Participants can also access financing resources and public relations support through the Program.

Executive Summary

Download the Program Manual

Measure	\$/kW	\$/kWh
Lighting	\$100	\$0.02
LEDs	\$150	\$0.08
HVAC DX	\$125	\$0.03
Chiller	\$150	\$0.03
Motors	\$150	\$0.03
VFD	\$100	\$0.02
Window Film	\$50	\$0.02
Roofing*	\$150	\$0.03
Solar PV	\$225	\$0.05
Other	\$150	\$0.03

Details	Eligibility	Process	Resources
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The Program Agreements, Equipment Survey Forms and other relevant forms are available for downloading from the following links. Please note that these files are available for viewing and printing as Microsoft® Excel® files or Adobe® PDF documents (which are available for viewing and printing only with [Adobe Acrobat Reader®](#).)

- [Participation Agreement](#)
- [Project Application Form](#)
- [New Lighting Specifications](#)
- HVAC Savings Form (Coming Soon)
- Lighting Savings Form (Coming Soon)

Available Resources



- ★ Texas Energy Managers Meeting (TEMA)
 - <http://www.texasema.org/>
- ★ Texas Technical Reference Manual (TRM)
 - <http://www.texasefficiency.com/>
- ★ Consortium for Energy Efficiency (QPL)
 - <http://cee1.org>
- ★ Design Light Consortium (QPL)
 - <http://www.designlights.org>
- ★ ENERGY STAR[®] Approved LEDs (QPL)
 - <http://www.energystar.gov/>

Available Resources

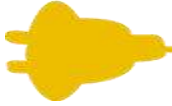


★ Department of Energy

- <http://www.energy.gov/science-innovation/energy-efficiency>

★ Amer. Council for an Energy-Efficient Economy (ACEEE)

- <http://aceee.org/portal/programs>



Questions?

Contacts



★ Stefani Case

(TNMP Programs)

stefani.case@tnmp.com

(214) 222-4174

★ Ashley Mitchell

(TNMP Programs)

ashley.mitchell@tnmp.com

(214) 222-4186

★ Michael Skeen

(North, Central, West)

michael.skeen@clearesult.com

(972) 505-3911

★ Josh Campbell

(South/Gulf)

joshua.campbell@clearesult.com

(281) 902-1155

Contacts



General Inquiries, please use:

ee@tnmp.com

or

TNMP@clearresult.com