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ONCOR ELECTRIC DELIVERY COMPANY LLC

2018 Energy Efficiency Plan and Report **16 Tex. Admin Code §25.181 and §25.183 (TAC)**

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INTRODUCTION

Oncor Electric Delivery Company LLC (Oncor or Company) presents this Energy Efficiency Plan and Report (EEPR) to comply with Public Utility Commission of Texas (Commission) 16 TAC §25.181 and §25.183 (the Energy Efficiency Rule or EE Rule), which implement Public Utility Regulatory Act (PURA) §39.905. PURA §39.905 and the EE Rule require that each investor-owned electric utility achieve the following minimum savings goals through market-based standard offer programs (SOPs), targeted market transformation programs (MTPs), or utility self-delivered programs:

- 30% reduction of the electric utility's five-year average annual growth in demand of residential and commercial customers for the 2013 program year and for subsequent program years until the trigger described in the next paragraph is reached.

Additionally, effective September 1, 2011, PURA §39.905 requires that an electric utility whose amount of energy efficiency to be acquired is equivalent to at least four-tenths of one percent of its summer weather-adjusted peak demand for residential and commercial customers in the previous calendar year, maintain a goal of no less than four-tenths of one percent of that summer weather-adjusted peak demand for residential and commercial customers by December 31 of each subsequent year and that the energy efficiency to be required not be less than the preceding year.

The EE Rule includes specific requirements related to the implementation of SOPs and MTPs by investor-owned electric utilities that control the manner in which they must administer their portfolio of energy efficiency programs in order to achieve their mandated energy efficiency savings goals. Oncor's EEPR is intended to enable the Company to meet its statutory savings goals through implementation of energy efficiency programs in a manner that complies with PURA §39.905 and the EE Rule. As outlined in the EE Rule, this EEPR covers the previous five years of demand savings goals and energy targets, including 2017 achievements, and reports plans for achieving 2018 and 2019 projected energy efficiency savings. The following section provides a description of what information is contained in each of the subsequent sections and appendices.

ENERGY EFFICIENCY PLAN AND REPORT ORGANIZATION

This EEPR consists of the following information:

Executive Summary

- The Executive Summary highlights Oncor's reported achievements for 2017 and Oncor's plans for achieving its 2018 and 2019 projected energy efficiency savings.

Energy Efficiency Plan (EEP)

- Section I describes Oncor's program portfolio. It details how each program will be implemented, discusses related informational and outreach activities, and provides an introduction to any programs not included in Oncor's previous EEP.
- Section II explains Oncor's targeted customer classes, specifying the size of each class and the method for determining those sizes.

- Section III presents Oncor’s projected energy efficiency savings goals for the prescribed planning period broken out by program for each customer class.
- Section IV describes Oncor’s proposed energy efficiency budgets for the prescribed planning period broken out by program for each customer class.

Energy Efficiency Report

- Section V documents Oncor’s actual weather-adjusted demand savings goals and energy targets for the previous five years (2013-2017).
- Section VI compares Oncor’s projected energy and demand savings to its reported and verified savings by program for calendar year 2017.
- Section VII details Oncor’s incentive and administration expenditures for the previous five years (2013-2017) broken out by program for each customer class.
- Section VIII compares Oncor’s actual and budgeted program costs from 2017 broken out by program for each customer class. It also explains any cost increases or decreases of more than 10 percent for Oncor’s overall program budget.
- Section IX describes the results from Oncor’s MTPs and Research & Development activities. It compares existing baselines and existing milestones with actual results, and details any updates to those baselines and milestones.
- Section X provides details on Oncor’s 2017 Energy Efficiency Cost Recovery Factor (EECRF) and discusses any over- or under-recovery of energy efficiency costs.

Acronyms

- Abbreviations for a list of common terms.

Glossary

- Definitions for a list of common terms.

Appendices

- Appendix A – Reported kW and kWh savings broken out by county for each program.
- Appendix B – Program templates for any new or newly-modified programs and any programs not included in Oncor’s previous EEPRs.
- Appendix C – 2017 Energy Efficiency Service Providers.
- Appendix D – Sharyland 2017 Energy Efficiency Funding and Program Results

EXECUTIVE SUMMARY

The Energy Efficiency Plan portion of this EEPR details Oncor’s plans to achieve a 30% reduction in its five-year average annual growth in demand of residential and commercial customers for the 2018 program year and a similar reduction for the 2019 program year. Oncor will also address the corresponding energy savings goal, which is calculated from its demand savings goal using a 20% conservation load factor. The goals, budgets and implementation plans that are included in this EEPR are highly influenced by requirements of the EE Rule and lessons learned regarding energy efficiency service provider and customer participation in the various energy efficiency programs. A summary of annual goals and budgets is presented in Table 1.

The Energy Efficiency Report portion of this EEPR demonstrates that in 2017 Oncor successfully implemented SOPs and MTPs, as required by PURA §39.905, that met Oncor’s 30% energy efficiency savings goal by procuring 155,229 kW in demand savings. These programs included the Home Energy Efficiency SOP, Hard-to-Reach SOP, Targeted Weatherization Low-Income SOP, Residential Solar Photovoltaic Installation SOP, Residential Demand Response SOP, Commercial Solar Photovoltaic Installation SOP, Small Business Direct Install MTP, Commercial SOP, Commercial Load Management SOP, and the Healthcare MTP.

Table 1: Summary of Goals, Projected Savings, and Projected Budgets¹

Calendar Year	Average Growth in Demand (MW at Source)	MW Goal (% of Growth in Demand)	Demand (MW) Goal (at Meter)*	Energy MWh Goal (at Meter)**	Demand (MW) at 0.4% of Peak Demand***	Projected MW Savings (at Meter)	Projected MWh Savings (at Meter)	Projected Budget (000's)
2018	198.0	30%	69.4	121,589	90.2	155.3	206,072	\$50,812
2019	122.4	30%	69.4	121,589	92.1	159.0	183,709	\$50,358

* The 2019 Demand Goal is actually 34.5 MW when calculated per the EE Rule that requires a 30% reduction in the five-year average of annual demand growth (122.4 MW x 30% annual growth in demand reduction) x (1-.05932 line loss). However, under the EE Rule, a utility’s demand reduction goal shall not be less than the prior year’s goal, thus, the 2019 goal is 69.4. Line loss is the 5-year weighted average of the actual loss factors at the time of Oncor’s annual peaks. The 2018 Demand Goal when calculated per the EE Rule is 57.75 MW (Sharyland’s 2.35 MW goal plus Oncor’s 55.4 MW goal).

** Calculated using a 20% conservation load factor.

***The Demand Goal at 0.4% of peak demand is calculated according to 16 TAC §25.181(e)(3)(B) and includes line loss.

In order to reach the above projected savings, Oncor proposes to continue implementation of the programs listed above in 2017 (less the Healthcare MTP) and add the Retail Platform MTP.

The programs Oncor has chosen to implement target both broad market segments and specific market sub-segments that offer significant opportunities for cost-effective savings. Oncor plans to conduct ongoing informational activities to encourage participation in these SOPs and MTPs. For each program, potential participants will be identified and program information will then be tailored to the types of specific participants. At a minimum this will include a program website, brochures, and an introductory meeting to explain the program prior to the program start-date.

¹ Projected MW and MWh taken from Table 5 in this document. Budget data is taken from Table 6 in this document.

Furthermore, Oncor plans to participate in conferences to provide information related to its Energy Efficiency Program.

Oncor is continuing its effort to increase Retail Electric Provider (REP) participation in the energy efficiency programs it manages. This plan involves multiple activities and approaches that will reflect Oncor's commitment to this effort. This plan includes, but is not limited to, the following activities:

- Invite REPs to program outreach meetings with Energy Efficiency Service Providers.
- Coordinated effort with Oncor's REP Relations group to identify key REP contacts. Through REP Executive and on-site visits, Oncor will conduct energy efficiency discussions while sharing related program information and materials during these visits.
- Make contact with individual REPs at local, regional, and national conferences, trade shows and/or events as the opportunity is available.

Once an energy efficiency program has been initiated, Oncor plans to offer the program on a first-come, first-served basis.

ENERGY EFFICIENCY PLAN

I. 2018 Programs

A. 2018 Program Portfolio

Oncor plans to implement 11 market transformation and standard offer programs that are based upon Commission-approved program templates. One program, the Targeted Weatherization Low-Income SOP, is required by Senate Bill 712, which was passed by the Texas Legislature in 2005. Additional requirements were passed by the Texas Legislature in 2011. Senate Bill 1434 requires that annual expenditures for the Targeted Weatherization Low-Income SOP are not less than 10 percent of the utility's energy efficiency budget for the year.

As discussed below, the Company's programs target both broad market segments and specific market sub-segments that offer significant opportunities for cost-effective savings. Oncor anticipates that outreach to a broad range of service provider types will be necessary in order to meet the savings goals required by PURA §39.905 and the EE Rule on a continuing basis. Table 2 summarizes the programs and target markets.

Table 2: 2018 Energy Efficiency Program Portfolio

Program	Target Market	Application
Commercial SOP	Commercial	Retrofit; New Construction
Hard-to-Reach SOP	Hard-to-Reach Residential	Retrofit
Emergency Load Management SOP	Existing Industrial	Load Management
Commercial Load Management SOP	Large Commercial	Load Management
Small Business Direct Install MTP	Small Commercial	Retrofit
Home Energy Efficiency SOP	Residential	Retrofit
Targeted Weatherization Low-Income SOP	Low-Income Residential	Retrofit
Commercial Solar Photovoltaic Installation SOP	Commercial	Retrofit
Residential Solar Photovoltaic Installation SOP	Residential	Retrofit
Residential Demand Response SOP	Residential	Load Management
Retail Platform MTP	Residential; Commercial	Retrofit; New Construction

The programs listed in Table 2 are described in further detail below. Oncor maintains a website containing links to the program manuals of the SOPs, all of the requirements for project participation, the forms required for project submission, and the current available funding at <https://www.oncoreepm.com/>. This website will be the primary method of communication used to provide potential Energy Efficiency Service Providers with program updates and information, including information on future opportunities to bid to be an implementer of an Oncor Market Transformation Program. Additional information to help residential consumers, business owners and government and educational facilities with their energy efficiency efforts can be found at <http://www.takealoadofftexas.com/>.

B. Existing Programs

Commercial Standard Offer Program (CSOP)

Custom - The Custom Component of the Commercial SOP targets large commercial customers with new or retrofit projects that require measurement and verification with an incentive of \$10,000 or larger. Oncor provides incentives to Energy Efficiency Service Providers who install approved energy efficiency measures in business, government, nonprofit, and worship facilities in Oncor's service area. These include, but are not limited to, lighting, motors, variable frequency drives, cooling, and process upgrades as well as new construction that exceeds existing energy code baselines per the Texas Technical Reference Manual (TTRM). These energy-saving projects must be approved by Oncor prior to project start. Once completed, Oncor verifies the savings and the Energy Efficiency Service Providers receive incentive payments based on the project's actual savings. The 2018 budget for the Custom Component of the Commercial SOP is \$3,994,020 with targeted impacts of 4,074 kW and 27,547,542 kWh.

Basic – The Basic Component of the Commercial SOP targets commercial customers with new or retrofit projects that do not require measurement and verification who install approved energy efficiency measures in business, government, educational, nonprofit, and worship facilities in Oncor's service area. These include, but are not limited to, lighting, air conditioning, ENERGY STAR[®] roofs and food service equipment, refrigeration measures, and window film as well as new construction that exceeds existing energy code baselines per the TTRM. The energy saving projects must be approved by Oncor prior to project start. Once completed, Oncor verifies the savings and the Energy Efficiency Service Providers receive incentive payments based on the project's actual savings. Saving and incentives are based on deemed savings. The 2018 budget for the Basic Component of the Commercial SOP is \$9,604,123 with targeted impacts of 13,477 kW and 67,549,695 kWh.

Home Energy Efficiency Standard Offer Program (HEE SOP)

The HEE SOP targets residential customers with existing homes. This program is designed to achieve energy and demand savings in the residential market with the installation of a wide range of energy-efficiency measures in homes and multi-family residences. Incentives are paid to Energy Efficiency Service Providers to help offset the cost of these energy efficiency measures. Oncor provides the incentive directly to the Service Provider. Charges to customers vary by Service Provider and no incentives for this program are paid directly to the customer by Oncor. The 2018 budget for this program is \$11,448,329 with targeted impacts of 25,257 kW and 39,127,496 kWh. The most common energy-efficient measures installed in the HEE SOP are attic

insulation and caulking/weather-stripping around doors and windows. Energy Efficiency Service Providers must test for air leakage before and after installation when installing caulking/weather-stripping measures. Other eligible energy-efficient measures include replacement of air conditioning units, heat pumps, and installation of ENERGY STAR® windows, refrigerators, dishwashers, and clothes washers, wall insulation, floor insulation, and water heater jackets. Where savings from early replacement of residential HVAC equipment is claimed in any Oncor program, the following requirements must be met:

- The unit must be fully operational at the time of replacement. Pre-installation inspection may be required to verify the operational status of the unit.
- A photograph of the existing condensing unit nameplate must be taken.
- Manufacturer, model and serial number of the existing condensing unit must be recorded.
- If nameplate of the existing condensing unit is illegible, additional documentation or pre-installation inspection may be required to verify the age of the existing unit. If the age cannot be documented or verified, then demand and energy savings of the existing unit will be calculated as Replacement-on-Burnout.
- Property Owner/Manager may provide responses to a survey to document the condition of the replaced unit, and the customer's motivation for replacing the unit before the end of its useful life.
- The new unit must have a nominal capacity that is less than or equal to that of the existing unit.

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

The HTR SOP targets residences with household incomes at or below 200% of the federal poverty guidelines. This program is designed to achieve energy and demand savings with the installation of a wide range of energy-efficiency measures. Energy Efficiency Service Providers implement energy saving projects in homes located in Oncor's service area. Incentives are paid to these Energy Efficiency Service Providers to help offset the cost of these energy efficiency measures. The most common measures, such as insulation and caulking/weather-stripping are installed at low or no cost to the customer. Energy Efficiency Service Providers must test for air leakage before and after installation when installing caulking/weather-stripping measures. Oncor provides the incentive directly to the Service Provider. The 2018 budget for this program is \$5,446,670 with targeted impacts of 7,850 kW and 18,815,742 kWh. Qualifying measures are similar to those described above for the HEE SOP, as well as water-saving devices.

Emergency Load Management Standard Offer Program (ELM SOP)

The ELM SOP targets industrial customers with demands greater than 700 kW. This program is Grandfathered under the provisions of 16 TAC §25.181(v). The program is offered to for-profit transmission voltage level end-use customers, which includes large industrial sites. Participants are requested to reduce load when called for by Oncor. The demand reductions must be verified by Oncor in order for the incentives to be paid. This is accomplished by reviewing data recorded on Interval Data Recorders (IDRs) and calculating the amount of demand savings achieved through the "curtailment" during the summer on-peak season. The incentive is paid directly to the program participant and a ten-year contract is required to participate in the program. No customers have participated in this program since 2007 and no customers are expected to participate in 2018.

Commercial Load Management Standard Offer Program (CLM SOP)

Oncor pays incentives to Energy Efficiency Service Providers and Aggregators who work with local commercial and manufacturing facilities to achieve documented summer, on-peak demand reductions in those facilities. End-use customers may also act as the Energy Efficiency Service Provider. The program is designed to assist businesses reduce their summer on-peak energy demand and help meet the state's energy efficiency goals. The demand reductions must be verified by Oncor in order for the incentives to be paid. This is accomplished by reviewing data recorded by meters and calculating the amount of demand savings achieved through the “curtailment” during the summer on-peak season. The incentive is paid directly to the Service Provider, Aggregator or End-Use Customer. Each project must achieve a total estimated demand savings of at least 100 kW during the summer on-peak demand period. Participating customer facilities must reduce load when called for by Oncor. The 2018 budget for this program is \$2,599,200 with targeted impacts of 60,000 kW and 180,000 kWh.

Commercial Solar Photovoltaic Installation Standard Offer Program (CSPV SOP)

The Commercial Solar Photovoltaic Installation SOP provides incentives for the installation of Solar Photovoltaic systems that reduce customer energy costs, reduce peak demand and save energy in existing commercial customer structures. Incentives are paid to Energy Efficiency Service Providers on the basis of savings calculations per the Texas Technical Reference Manual. The 2018 budget for the CSPV SOP is \$2,933,040 with targeted impacts of 2,840 kW and 11,632,080 kWh.

Residential Solar Photovoltaic Installation Standard Offer Program (RSPV SOP)

The Residential Solar Photovoltaic Installation SOP provides incentives for the installation of Solar Photovoltaic systems that reduce customer energy costs, reduce peak demand and save energy in existing residential customer structures. Incentives are paid to Energy Efficiency Service Providers on the basis of savings calculations per the Texas Technical Reference Manual. The 2018 budget for the RSPV SOP is \$1,671,700 with targeted impacts of 1,096 kW and 4,646,400 kWh.

Small Business Direct Install MTP (SBDI MTP)

Oncor’s Small Business Direct Install MTP is a market transformation program designed to offer contractors and customers education on energy efficiency technologies, equip participating contractors with the tools they need to succeed in installing projects in the small business market, and offer incentives to assist small (≤ 200 kW) and very small (≤ 10 kW) businesses to install energy-efficient products such as high efficiency lighting and refrigeration measures. The program is focused on the non-Metro counties served by Oncor. Customers in the counties of Dallas, Collin, Tarrant, Denton and Rockwall are not eligible to participate in this program but can participate in the other commercial programs offered by Oncor. The 2018 budget for the SBDI MTP is \$3,581,260 with targeted impacts of 2,294 kW and 13,367,902 kWh.

Targeted Weatherization Low-Income SOP

For the 2018 Program year Oncor is implementing the Targeted Low-Income Weatherization Program to comply with the Public Utility Regulatory Act (PURA) §39.905(f) which states, “Unless funding is provided under §39.903, each unbundled transmission and distribution utility shall include in its energy efficiency plan a targeted low-income energy efficiency program as

described by Section 39.903(f)(2), and the savings achieved by the program shall count toward the transmission and distribution utility's energy efficiency goal. The commission shall determine the appropriate level of funding to be allocated to both targeted and standard offer low-income energy efficiency programs in each unbundled transmission and distribution utility service area. The level of funding for low-income energy efficiency programs shall be provided from money approved by the commission for the transmission and distribution utility's energy efficiency programs. The commission shall ensure that annual expenditures for the targeted low-income energy efficiency programs of each unbundled transmission and distribution utility are not less than 10 percent of the transmission and distribution utility's energy efficiency budget for the year. A targeted low-income energy efficiency program must comply with the same audit requirements that apply to federal weatherization subrecipients." Section 39.903(f)(2) states that targeted energy efficiency programs are to be administered by the Texas Department of Housing and Community Affairs (TDHCA) in coordination with existing weatherization programs.

16 TAC §25.181(r) states, "Unless funding is provided under PURA §39.903, each unbundled transmission and distribution utility shall include in its energy efficiency plan a targeted low-income energy efficiency program as described by PURA §39.903(f)(2). A utility in an area in which customer choice is not offered may include in its energy efficiency plan a targeted low-income energy efficiency program that utilizes the cost-effectiveness methodology provided in paragraph (2) of this subsection. Savings achieved by the program shall count toward the utility's energy efficiency goal.

- (1) Each utility shall ensure that annual expenditures for the targeted low-income energy efficiency program are not less than 10% of the utility's energy efficiency budget for the program year.
- (2) The utility's targeted low-income program shall incorporate a whole-house assessment that will evaluate all applicable energy efficiency measures for which there are commission-approved deemed savings. The cost-effectiveness of measures eligible to be installed and the overall program shall be evaluated using the Savings-to-Investment (SIR) ratio.
- (3) Any funds that are not obligated after July of a program year may be made available for use in the hard-to-reach program."

Oncor is implementing a Program through Texas Association of Community Action Agencies (TACAA) who will provide funds to designated federal Weather Assistance Program (WAP) Subrecipient agencies enabling them to provide weatherization services to residential electric distribution customers of Oncor who have household incomes at or below 200% of current federal poverty level guidelines.

TACAA will be entitled to compensation for materials, labor and program support used by the federally funded Sub recipient to install weatherization measures for up to \$6,500 per weatherized Dwelling Unit. TACAA may reimburse the federally funded Subrecipient for program support costs and up to 10% of the invoice amount for administration, which amounts are not part of the 8% program administration fee paid to TACAA. Federally funded Sub recipient program support costs shall be included in the calculation of the \$6,500 per Dwelling Unit cap, but shall not be included in calculating the Whole House SIR.

Energy-efficient measures installed include aerators, ceiling insulation, air infiltration, central air conditioning units, central heat pumps, floor insulation, ENERGY STAR[®] refrigerators, dishwashers, clothes washers and windows, showerheads, window air conditioning units, wall insulation, water heater jackets and water heater pipe insulation.

In 2017, Oncor added EnerChoice as a Program Implementer. EnerChoice uses program incentives to replace existing HVAC units in multifamily apartment complexes with high efficiency heat pumps and earns an administration fee of up to 10% for their services. The same income qualifications (household incomes at or below 200% of current federal poverty level guidelines) apply to this new program option.

The 2018 budget for this program is \$4,989,650 with targeted impacts of 1,443 kW and 2,539,187 kWh.

Program History - This program targeted Oncor's low-income residential customers who met DOE's income eligibility guidelines which are at or below 200% of the federal poverty level guidelines and are connected to Oncor's electric system. Incentive funds were provided to the TDHCA sub-recipient agencies and other not-for-profit or local government agencies, enabling them to provide weatherization services to qualifying customers. Participating agencies provided outreach, eligibility verification, assessments, and could either install or contract for the installation of cost-effective energy-efficient measures. Agencies received reimbursement for conducting assessments and installing the measures, plus an administrative fee equal to eight percent of the measure installation costs. The maximum expenditure per home was \$6,500.

Energy-efficient measures installed included attic insulation, duct sealing and caulking/weatherstripping around doors and windows, central air conditioning units, central heat pumps, window air conditioning units, replacement of electric water heaters, installation of ENERGY STAR[®] refrigerators, solar window screens, wall insulation, CFLs, water heater jackets and ENERGY STAR[®] ceiling fans with a light kit.

Prior to 2005, the TDHCA administered a targeted energy efficiency program that was funded through the System Benefit Fund (SBF). When appropriations from the SBF were discontinued for TDHCA's program in 2005, the Texas Legislature enacted SB 712. SB 712 amended PURA §39.905(f), requiring unbundled utilities like Oncor to fund through rates a targeted low-income energy efficiency program that would be administered by TDHCA. In the summer of 2006, the Commission approved (in Docket No. 32103) an agreement among TLSC/Texas ROSE, the Commission Staff, Oncor (then TXU Electric Delivery Company), AEP Texas Central Company, AEP Texas North Company, CenterPoint Energy Houston Electric, LLC, and Texas-New Mexico Power Company, that reflected a plan for implementing SB 712's requirements in calendar years 2006 and 2007 (the Docket No. 32103 Agreement). Oncor agreed to provide \$3,412,941 annually to TDHCA for the Company's SB 712 obligation. Among other terms, the Docket No. 32103 Agreement provided that the program would be targeted to households with income at or below 125% of the federal poverty guidelines.

On May 23, 2007, TDHCA informed Oncor that it was not authorized to spend the funds paid by Oncor due to a ruling by the Office of Comptroller of Public Accounts, and that Oncor should make alternative arrangements to complete the program that did not involve TDHCA. Thus,

Oncor promptly entered into talks with Frontier Associates LLC (Frontier) and ultimately reached an agreement with Frontier for it to administer the SB 712 program in Oncor's service area, *i.e.*, the Pilot Targeted Weatherization Low-Income Program.

On July 27, 2007, TLSC/Texas ROSE filed a petition with the Commission seeking to have Texas Association of Community Action Agencies (TACAA) designated as the sole administrator for the SB 712 programs of all the unbundled utilities, including Oncor. TLSC/Texas ROSE's petition was litigated in Docket No. 34630, *Petition of Texas Legal Services Center and Texas Ratepayers' Organization to Save Energy to Modify the Commission's Final Order in Docket No. 32103 and to Reform the Agreement to Implement Weatherization Programs*. The Commission found that the utilities should have the flexibility to contract with a provider of their choice, as Oncor did with Frontier, to implement SB 712 programs.

During the 2011 Texas Legislative session SB 1434 was passed and signed into law by the Governor of Texas. Contained in the 2011 legislation is the following language related to the Targeted LIW Program:

Unless funding is provided under Section 39.903, each unbundled transmission and distribution utility shall include in its energy efficiency plan a targeted low-income energy efficiency program as described by Section 39.903(f)(2), and the savings achieved by the program shall count toward the transmission and distribution utility's energy efficiency goal. The commission shall determine the appropriate level of funding to be allocated to both targeted and standard offer low-income energy efficiency programs in each unbundled transmission and distribution utility service area. The level of funding for low-income energy efficiency programs shall be provided from money approved by the commission for the transmission and distribution utility's energy efficiency programs. The commission shall ensure that annual expenditures for the targeted low-income energy efficiency programs of each unbundled transmission and distribution utility are not less than 10 percent of the transmission and distribution utility's energy efficiency budget for the year. A targeted low-income energy efficiency program must comply with the same audit requirements that apply to federal weatherization subrecipients. In an energy efficiency cost recovery factor proceeding related to expenditures under this subsection, the commission shall make findings of fact regarding whether the utility meets requirements imposed under this subsection. The state agency that administers the federal weatherization assistance program shall provide reports as required by the commission to provide the most current information available on energy and peak demand savings achieved in each transmission and distribution utility service area. The agency shall participate in energy efficiency cost recovery factor proceedings related to expenditures under this subsection to ensure that targeted low-income weatherization programs are consistent with federal weatherization programs and adequately funded.

In 2012 Oncor implemented the program to provide funds to TDHCA sub-recipient agencies and other not-for-profit or local government agencies, enabling them to provide weatherization services to residential electric distribution end-use consumers of Oncor who had household incomes at or below 200% of the current federal poverty guidelines. Participating agencies provided outreach, eligibility verification, assessments, and either installed or contracted for the installation of cost-effective measures. Agencies received reimbursement for conducting assessments and installing the measures, plus an administrative fee equal to 8 percent of the

measure installation costs. The maximum expenditure per home was \$6,500. The \$6,500 per home cap included assessment and/or testing fees from homes that did not qualify for installed measures based on the assessment.

Residential Demand Response SOP (RDRSOP)

Oncor's Residential Demand Response SOP is an expansion of the 2015-2016 pilots, which provided incentives to participating providers for reducing peak electric demand at residential premises. In 2018, the program will engage providers to provide demand response capability using remotely controlled load control devices in homes. The providers will use various control strategies, such as pre-cooling and cycling to reduce overall demand during the peak period. Implementation will occur in the Oncor service territory and target residential homes. The participating providers are responsible for ensuring the presence of load control devices in participating residences. The actual demand savings will be determined by Oncor using advanced meter data. The 2018 Program budget is \$1,500,240, with targeted impacts of 32,900 kW and 197,400 kWh.

Research and Development

During 2018, Oncor will continue collaboration with the General Services Administration Green Proving Ground (GSA). Annually, the GSA issues an RFI for vendors to submit new energy efficient technologies into the program for evaluation. The GSA, Oncor, and national laboratories review the submittals and select several for installation on Federal facilities. Technologies are evaluated for equipment performance, as well as energy and demand savings for up to one year. The collaboration allows utilities to recommend technologies for inclusion in the program. The technologies may be installed and evaluated on Federal facilities within ERCOT, or other areas with similar weather zones.

Oncor and the GSA are currently working on an advanced lighting controls project at the A. Maceo Smith Federal Building in Dallas. The objective of the project is to identify and quantify energy savings from advanced lighting controls in buildings where day lighting contributes to ambient light levels.

Additionally, Oncor will continue its membership in the Texas Energy Poverty Research Institute (TEPRI) for 2018. TEPRI is a 501(c) (3) whose mission is to research the root causes of energy and fuel poverty and provide data for solutions that have an impact on low-income households. In 2018, TEPRI will continue compiling Best Practices of Low-Income Services, Programs, and Technologies. Additionally, TEPRI will update their portal of information on publications, websites, and other resources that are specific to the topic of energy and poverty in Texas and the nation.

For more details on these programs, please see Section IX.

C. New Programs for 2018

Retail Platform MTP

The Retail Platform MTP provides incentives directly to Residential Customers through in-store point of sale discounts for the purchase of qualifying ENERGY STAR-rated LED lighting products and consumer appliances. The Program is partnership-based and delivers qualified

product measures by contracting with major market manufacturers and through cooperation with their retailer alliance partners.

The date targeted to begin the initial delivery of active in-store promotions is May 1, 2018 and is slated to continue through December 31, 2020, with only standard and specialty LED direct replacement lamps available in 2018. The 2018 budget for this program is \$1,306,348, with targeted impacts of 4,067 kW and 20,468,251 kWh. Based on the Texas Technical Reference Manual Version 5.0 recommendation, claimed savings will be attributed based on five percent of upstream lighting program benefits and costs allocated to commercial customers with the remaining 95 percent allocated to residential customers.

II. Customer Classes

Customer classes targeted by Oncor’s energy efficiency programs are the Hard-to-Reach, Residential, and Commercial customer classes. The annual demand goal will be allocated to customer classes by examining historical program results, evaluating economic trends, and complying with 16 TAC §25.181(e)(3)(F), which states that no less than 5% of the utility’s total demand reduction savings goal should be achieved through programs for hard-to-reach customers. Also factored into the allocation is the PURA §39.905 requirement that annual expenditures for the targeted low-income energy efficiency programs are not less than 10 percent of the annual energy efficiency budget for the year. Table 3 summarizes the number of customers in each of the customer classes, which was used to determine budget allocations for those classes. Oncor used year-end 2017 Customer Information System (CIS) premise-level data to estimate the number of customers in each class. The Hard-to-Reach class was estimated by multiplying the total number of residential customers by 27.5%. According to the U.S. Census Bureau’s 2017 Current Population Survey (CPS), 27.5% of Texas families fall below 200% of the poverty threshold (2016 CPS was 29.5%). Applying that percentage to Oncor’s residential customer totals, the number of HTR customers is estimated at 827,834 compared to 863,025 in 2016. This calculation is only an estimate. Oncor does not have access to its residential customers’ income levels. The actual percentage may be higher or lower.

It should be noted, however, that the actual distribution of the goal and budget must remain flexible based upon the response of the marketplace, the potential interest that a customer class may have toward a specific program and the overriding objective of meeting the legislative goal. Oncor will offer a portfolio of Standard Offer and Market Transformation Programs that will be available to all customer classes.

Table 3: Summary of Customer Classes

Program	Number of Customers
Commercial	469,840*
Residential	2,182,473
Hard-to-Reach	827,834
Total	3,480,147

* Customer count takes into account 11,131 qualifying for-profit industrial customers who have elected to exclude themselves from participation in Oncor’s energy efficiency programs per 16 TAC 25.181(w), as well as lighting premises.

III. Projected Energy Efficiency Savings and Goals

As prescribed by 16 TAC §25.181, Oncor’s demand goal is specified as a percent of its historical five-year average rate of growth in demand. As an example, the annual growth in demand defined for the 2018 goal reflects the average annual growth in peak demand from 2012 to 2017. The demand goals are based on meeting 30% of the electric utility’s annual growth in demand of eligible residential and commercial customers for the 2017, 2018 and 2019 program years. The corresponding energy savings goals are determined by applying a 20% conservation load factor to the applicable demand savings goals.

Table 4 presents historical annual growth in demand for the previous five years. Total System numbers include all customers (including transmission voltage and qualifying for-profit industrial customers who elected to exclude themselves from participation in Oncor’s energy efficiency programs) while Residential and Commercial totals include eligible residential and non-residential customers taking delivery at a distribution voltage and non-profit customers and government entities, including educational institutions. Table 5 presents the projected demand and energy savings broken out by program for each customer class for 2018 and 2019. The program-level goals presented in Table 5 are at the meter and take into account transmission and distribution line losses.

Table 4: Annual Growth in Demand and Energy Consumption *

Calendar Year	Peak Demand (MW) (at Source) **					Energy Consumption (MWh) (at Meter)				Residential & Commercial	
	Total System		Opt-Out	Residential & Commercial		Total System		Residential & Commercial		Growth (MW)	Avg 5 Yr (MW) Growth
	Actual	Actual Weather Adjusted ²	Secondary/ Primary, & Transmission Voltage***	Actual	Actual Weather Adjusted ²	Actual	Actual Weather Adjusted ²	Actual	Actual Weather Adjusted ²	Actual Weather Adjusted ²	Actual Weather Adjusted ²
2012	25,217	24,997	1,221	23,996	23,776	110,370,554	109,019,934	100,351,162	99,000,542		
2013	24,792	25,383	1,246	23,545	24,136	112,312,279	111,791,813	101,919,737	99,104,671	361	
2014	24,122	26,054	1,589	22,534	24,466	114,905,829	113,939,185	101,640,875	100,674,230	329	
2015	25,531	26,179	1,646	23,885	24,533	116,594,625	116,554,605	102,634,272	102,594,252	67	
2016	25,787	26,620	1,755	24,032	24,865	115,791,379	117,927,439	100,977,674	103,113,734	332	
2017	25,170	26,267	1,879	23,290	24,387	117,017,075	119,776,460	100,971,312	103,730,697	-477	122
2018 ³	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2019 ³	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Table 4 values can differ from prior years due to restatement of historic demands from a method based on 4CP demand to using ERCOT Settlement interval data. Additional variance is due to changing the weather adjustment process to better match the ERCOT Settlement method. Values may not add due to rounding.

** Peak Demand values have been revised to reflect the combined Oncor and Sharyland MW values for 2012-2017.

*** Includes the peak demand of qualifying for-profit industrial customers who receive service at primary/secondary voltage and have elected to exclude themselves from participation in Oncor’s energy efficiency programs in the following amounts: Year 2014 - 393 MW, Year 2015 - 414 MW, Year 2016 – 429 MW, and Year 2017 - 486.

² “Actual Weather Adjusted” Peak Demand and “Energy Consumption” are adjusted for weather fluctuations using weather data for the most recent ten years.

³ “NA” = Not Applicable. Energy efficiency goals are calculated based upon the actual weather-adjusted growth in demand; so peak demand and energy consumption forecasts for 2018 and 2019 are not applicable.

Table 5: Projected Demand and Energy Savings Broken Out by Program for Each Customer Class (at Meter)

Customer Class and Program	2018 Projected Savings		2019 Projected Savings	
	(kW)	(kWh)	(kW)	(kWh)
Commercial	82,888	121,300,632	78,389	98,448,292
Commercial SOP (Custom)	4,074	27,547,542	3,556	22,257,919
Commercial SOP (Basic)	13,477	67,549,695	10,736	56,818,953
Emergency Load Management SOP	0	0	0	0
Commercial Load Management SOP	60,000	180,000	60,000	180,000
Small Business Direct Install MTP	2,294	13,367,902	2,179	13,365,283
Solar PV SOP	2,840	11,632,080	1,534	4,979,022
Retail Platform MTP	203	1,023,413	384	847,115
Residential	63,117	63,416,134	65,801	62,498,390
Home Energy Efficiency SOP	25,257	39,127,496	24,115	41,378,129
Solar PV SOP	1,096	4,646,400	1,492	4,827,683
Residential Demand Response SOP	32,900	197,400	32,900	197,400
Retail Platform MTP	3,864	19,444,838	7,294	16,095,178
Hard-to-Reach	9,293	21,354,929	14,855	22,762,014
Hard-to-Reach SOP	7,850	18,815,742	12,105	18,686,710
Targeted Weatherization Low-Income SOP	1,443	2,539,187	2,750	4,075,304
Total Annual Savings Goals	155,298	206,071,695	159,045	183,708,696

IV. Program Budgets

Table 6 represents total proposed budget allocations required to achieve the projected demand and energy savings shown in Table 5. The budget allocations are defined by the overall demand and energy savings presented above, allocation of demand savings goals among customer classes, and SB 712 and SB 1434 Targeted Low-Income mandates. The budget allocations presented in Table 6 below are first broken down by customer class and program, and are then further subdivided into the incentive payments and administration categories.

Administration costs include labor and loading, evaluation, outreach, Energy Efficiency Program Management (tracking and reporting system), program development, program implementation, regulatory reporting, and any costs incurred associated with the EECRF filing by the company. Costs associated with specific programs are charged directly to those programs, while costs not associated with specific programs are allocated among all programs.

While Oncor has estimated budgets by customer class, Oncor plans to track and report budgets by program, since individual programs may serve multiple customer classes.

Table 6: Proposed Annual Budget Broken Out by Program for Each Customer Class

2018 Customer Class and Program	Incentives	Administration	Total Budget
Commercial	\$20,054,780	\$2,722,180	\$22,776,960
Commercial SOP (Custom)	\$3,560,580	\$433,440	\$3,994,020
Commercial SOP (Basic)	\$8,453,025	\$1,151,098	\$9,604,123
Emergency Load Management SOP	\$0	\$0	\$0
Commercial Load Management SOP	\$2,280,000	\$319,200	\$2,599,200
Solar PV SOP	\$2,572,840	\$360,200	\$2,933,040
Small Business Direct Install MTP	\$3,141,460	\$439,800	\$3,581,260
Retail Platform MTP	\$46,875	\$18,442	\$65,317
Residential	\$13,926,400	\$1,934,900	\$15,861,300
Home Energy Efficiency SOP	\$10,240,395	\$1,207,934	\$11,448,329
Solar PV SOP	\$1,479,380	\$192,320	\$1,671,700
Residential Demand Response SOP	\$1,316,000	\$184,240	\$1,500,240
Retail Platform MTP	\$890,625	\$350,406	\$1,241,031
Hard-to-Reach	\$9,193,400	\$1,242,920	\$10,436,320
Hard-to-Reach SOP	\$4,777,780	\$668,890	\$5,446,670
Targeted Weatherization Low-Income SOP	\$4,415,620	\$574,030	\$4,989,650
Research & Development*	\$0	\$310,000	\$310,000
Evaluation, Measurement & Verification**	\$0	\$713,605	\$713,605
Total Budgets by Category	\$43,174,580	\$6,923,605	\$50,098,185

2019 Customer Class and Program	Incentives	Administration	Total Budget
Commercial	\$18,399,735	\$2,413,822	\$20,813,557
Commercial SOP (Custom)	\$3,264,120	\$400,800	\$3,664,920
Commercial SOP (Basic)	\$7,610,710	\$958,550	\$8,569,260
Emergency Load Management SOP	\$0	\$0	\$0
Commercial Load Management SOP	\$2,280,000	\$319,200	\$2,599,200
Solar PV SOP	\$2,038,440	\$285,380	\$2,323,820
Small Business Direct Install MTP	\$3,140,840	\$439,720	\$3,580,560
Retail Platform MTP	\$65,625	\$10,172	\$75,797
Residential	\$14,646,635	\$2,045,648	\$16,692,283
Home Energy Efficiency SOP	\$10,129,750	\$1,418,170	\$11,547,920
Solar PV SOP	\$2,019,810	\$260,560	\$2,280,370
Residential Demand Response SOP	\$1,250,200	\$173,650	\$1,423,850
Retail Platform MTP	\$1,246,875	\$193,268	\$1,440,143
Hard-to-Reach	\$10,356,640	\$1,449,930	\$11,806,570
Hard-to-Reach SOP	\$5,965,500	\$835,170	\$6,800,670
Targeted Weatherization Low-Income SOP	\$4,391,140	\$614,760	\$5,005,900
Research & Development*	\$0	\$310,000	\$310,000
Evaluation, Measurement & Verification**	\$0	\$735,989	\$735,989
Total Budgets by Category	\$43,403,010	\$6,955,389	\$50,358,399

* Research & Development costs will be split into Residential and Commercial classes and then allocated among the programs (by class) in proportion to the program incentives in Oncor's EECRF filings.

** EM&V costs shown for 2018 are projected expenditures Oncor will incur in 2018 for completing review of Program Year 2017. EM&V costs shown for 2019 are projected expenditures Oncor will incur in 2019 for EM&V of 2018 programs.

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

Table 7 documents Oncor's projected demand savings, actual demand goals and projected energy savings for the previous five years (2013-2017) calculated in accordance with 16 TAC §25.181.

Table 7: Historical Demand Savings Goals and Energy Targets

Calendar Year	Actual Demand Goal (MW at Meter)	Projected Savings (MW at Meter)	Projected Energy Savings (MWh at Meter)	Reported & Verified Savings (MW at Meter)	Reported & Verified Energy Savings (MWh at Meter)
2017 ⁴	69.4	145.8	208,513	155.2	170,124
2016 ⁵	69.4	138.1	225,783	128.8	198,743
2015 ⁶	69.4	110.3	197,436	115.8	178,908
2014 ⁷	69.4	120.9	209,595	125.3	202,105
2013 ⁸	54.6	118.4	234,471	112.7	224,666

⁴ Projected MW Savings and Projected Energy Savings as reported in the 2017 Energy Efficiency Plan & Report (EEPR) filed in March of 2017 under Project No. 46907. Actual Demand Goal as discussed in Table 4.

⁵ Projected MW Savings and Projected Energy Savings as reported in the 2016 Energy Efficiency Plan & Report (EEPR) filed in April of 2016 under Project No. 45675. Actual Demand Goal as discussed in Table 4.

⁶ Projected MW Savings and Projected Energy Savings as reported in the 2015 Energy Efficiency Plan & Report (EEPR) filed in April of 2015 under Project No. 44480. Actual Demand Goal as discussed in Table 4.

⁷ Projected MW Savings and Projected Energy Savings as reported in the 2014 Energy Efficiency Plan & Report (EEPR) filed in April of 2014 under Project No. 42264. Actual Demand Goal as discussed in Table 4.

⁸ Projected MW Savings and Projected Energy Savings as reported in the 2013 Energy Efficiency Plan & Report (EEPR) filed in April of 2013 under Project No. 41196. Actual Demand Goal as discussed in Table 4.

VI. Projected, Reported and Verified Demand and Energy Savings

Table 8: Projected versus Reported and Verified Savings for 2017 and 2016⁹ (at Meter)

2017	Projected Savings		Reported and Verified Savings	
Customer Class and Program	kW	kWh	kW	kWh
Commercial	76,479	112,768,790	88,810	97,305,131
Commercial SOP (Custom)	3,778	24,129,709	2,552	16,591,708
Commercial SOP (Basic)	12,789	67,722,246	11,381	67,247,365
Emergency Load Management SOP	0	0	0	0
Commercial Load Management SOP	55,000	165,000	72,060	216,181
Solar PV SOP	1,934	7,917,695	1,488	4,917,963
Small Business Direct Install MTP	2,840	11,632,080	1,190	7,129,854
Healthcare MTP	138	1,202,060	138	1,202,060
Residential	60,390	75,209,471	52,140	50,677,295
Home Energy Efficiency SOP	26,394	70,365,671	26,135	44,290,620
Solar PV SOP	1,096	4,646,400	1,854	6,241,771
Residential Demand Response SOP	32,900	197,400	24,151	144,904
Hard-to-Reach	8,906	20,534,667	14,279	22,141,730
Hard-to-Reach SOP	7,388	17,797,136	11,083	16,823,965
Targeted Weatherization LI SOP	1,518	2,737,531	3,196	5,317,765
Total Annual Savings Goals	145,775	208,512,928	155,230	170,124,157
2016¹⁰	Projected Savings		Reported and Verified Savings	
Customer Class and Program	kW	kWh	kW	kWh
Commercial	85,284	108,844,014	79,326	90,038,254
Commercial SOP (Custom)	3,940	17,530,789	1,849	15,975,618
Commercial SOP (Basic)	12,210	64,972,658	8,712	50,595,032
Emergency Load Management SOP	0	0	0	0
Commercial Load Management SOP	60,000	252,288	60,017	180,050
Solar PV SOP	6,325	12,189,540	7,859	17,253,019
Small Business Direct Install MTP	1,423	6,656,171	392	2,225,065
Healthcare MTP	1,386	7,242,568	496	3,809,470
Residential	44,068	97,714,787	39,710	84,653,405
Home Energy Efficiency SOP	34,068	90,356,387	30,137	74,366,440
Solar PV SOP	3,500	7,358,400	4,687	10,286,966
Residential Demand Response SOP	6,500	0	4,886	0
Hard-to-Reach	8,734	19,224,654	9,793	24,051,210
Hard-to-Reach SOP	6,929	17,145,309	7,640	20,135,627
Targeted Weatherization LI SOP	1,805	2,079,345	2,153	3,915,584
Total Annual Savings Goals	138,086	225,783,455	128,830	198,742,869

⁹ Projected Savings totals for 2017 and 2016 from Table 7. Reported Savings may not add due to rounding.

¹⁰ Reported and Verified Savings data for 2016 taken from EEP, Project 46907.

VII. Historical Program Expenditures

This section documents Oncor's incentive and administration expenditures for the previous five years (2012-2016) broken out by program for each customer class.

Table 9: Historical Program Incentive and Administrative Expenditures for 2012 through 2016

	2017		2016		2015		2014		2013	
	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)
Commercial	16,421,430	2,258,138	17,200,144	2,172,123	16,348,143	2,405,110	19,377,464	2,165,471	19,551,051	1,839,924
Solar PV SOP	2,016,566	296,888	6,027,919	497,068	4,815,294	489,580	8,836,015	982,403	3,690,362	191,731
Commercial SOP (Custom)	2,219,776	274,463	1,630,922	264,240	1,457,162	299,232	2,096,336	255,912	2,174,265	225,750
Emergency Load Management SOP	0	0	0	0	0	0	0	0	0	0
Commercial Load Management SOP	2,335,033	206,441	2,400,661	183,537	2,196,080	204,745	2,369,800	218,750	2,200,000	219,024
Educational Facilities MTP	NA	NA	NA	NA	NA	NA	NA	NA	4,433,441	435,851
Government Facilities MTP	NA	NA	NA	NA	NA	NA	NA	NA	1,362,956	135,036
Small Business Direct Install MTP	1,640,121	136,407	544,189	50,966	1,784,748	151,836	1,339,022	122,469	103,916	9,843
Healthcare MTP	363,758	26,348	931,556	74,226	NA	NA	NA	NA	NA	NA
Commercial SOP (Basic)	7,846,176	1,317,591	5,664,897	1,102,086	6,094,859	1,259,717	4,736,291	585,937	5,265,440	588,785
Air Conditioning MTP	NA	NA	NA	NA	NA	NA	NA	NA	320,671	33,904
Residential	15,618,050	1,900,301	19,377,105	2,040,667	13,659,678	1,911,756	18,237,838	2,008,173	18,444,393	2,130,467
Home Energy Efficiency SOP	12,111,569	1,451,784	14,435,266	1,521,569	10,005,295	1,435,699	12,950,424	1,474,757	13,564,608	1,624,208
Solar PV SOP	2,540,451	359,259	4,757,415	490,263	3,414,383	456,130	5,219,930	527,249	4,152,680	429,265
Air Conditioning MTP	NA	NA	NA	NA	NA	NA	67,484	6,167	727,105	76,994
Residential Demand Response SOP	966,030	89,258	184,424	28,835	240,000	19,927	NA	NA	NA	NA
Hard-to-Reach	11,048,655	1,264,640	11,117,443	1,117,681	11,653,832	1,327,473	12,495,958	1,281,622	12,731,505	1,392,930
Hard-to-Reach SOP	6,019,635	847,106	5,953,011	750,470	6,004,832	849,060	6,499,328	732,039	6,941,505	841,064
Targeted Weatherization LI SOP	5,029,020	417,534	5,164,432	367,211	5,649,000	478,413	5,996,630	549,583	5,790,000	551,866
Total Program Expenditures	43,088,135	5,423,079	47,694,692	5,330,471	41,661,653	5,644,339	50,111,260	5,455,266	50,726,949	5,363,321

VIII. Program Funding for Calendar Year 2017

Oncor exceeded its 2017 mandated demand goal of 69.4 MW by obtaining 155.2 MW in energy efficiency savings. As shown on Table 10, funds were either spent or committed by contracts with energy efficiency service providers in the amount of \$52,523,075.

The **Small Business Direct Install MTP** was under budget in 2017 due in part to limited measures that were offered by the Implementer. In 2018 additional measures are being added to help make the ROI more appealing to the customer.

The **Commercial SOP (Custom)** was under budget in 2017 because several large projects totaling \$923,263 in committed incentives either had delays causing them to push out to 2018 completion dates or were scheduled for completion in 2018. Incentive funding was reallocated from the Commercial SOP (Custom) to the Basic Commercial SOP.

The **Residential Solar Photovoltaic Installation SOP** was over budget in 2017 because a large number of projects that were on the waitlist were able to be funded when other residential programs fell short of their budget and their incentives were reallocated to the Residential Solar Program.

The **Commercial Solar Photovoltaic Installation SOP** was under budget in 2017 because \$420,731 in incentives were committed but not spent during the year. Multiple large projects were not completed during the program year because of financial or construction issues and were cancelled too late in the year to have the associated incentives reallocated to other projects.

The **Residential Demand Response SOP** was under budget in 2017 due to lower than anticipated per home curtailment and insufficient enrollment to meet the increased target as compared to the 2016 pilot budget. When the RDRSOP expanded from pilot to a full-scale SOP in 2017, the budget was increased from \$377,343 in 2016 to \$1,500,240 and the 2017 enrollment was insufficient to meet this significantly increased target. RDRSOP is very weather dependent and results can be negatively impacted by the lack of very high temperatures on scheduled curtailment days.

Table 10: Program Funding for Calendar Year 2017

	Numbers of Customer Meters	Total Projected Budget ¹¹	Actual Funds Expended (Incentives)	Actual Funds Expended (Admin)*	Total Funds Expended	Funds Committed (Not Expended)	Funds Remaining (Not Committed)
Commercial	1,026	\$19,884,470	\$16,421,430	\$2,258,138	\$18,679,568	\$2,945,526	\$(1,740,624)
Commercial SOP (Custom)	30	\$2,975,110	\$2,219,776	\$274,463	\$2,494,239	\$923,263	\$(442,392)
Emergency Load Management SOP	0	\$0	\$0	\$0	\$0	\$0	\$0
Commercial Load Management SOP	122	\$2,508,000	\$2,335,033	\$206,441	\$2,541,474	\$0	\$(33,474)
Commercial SOP (Basic)	624	\$9,024,042	\$7,846,176	\$1,317,591	\$9,163,767	\$1,601,532	\$(1,741,257)
Solar PV SOP	60	\$2,933,040	\$2,016,566	\$296,888	\$2,313,454	\$420,731	\$198,855
Small Business Direct Install MTP	184	\$2,077,520	\$1,640,121	\$136,407	\$1,776,528	\$0	\$300,992
Healthcare MTP	6	\$366,758	\$363,758	\$26,348	\$390,106	\$0	\$(23,348)
Residential	36,078	\$17,381,030	\$15,618,050	\$1,900,301	\$17,518,351	\$0	\$(137,321)
Home Energy Efficiency SOP	13,318	\$14,209,090	\$12,111,569	\$1,451,784	\$13,563,353	\$0	\$645,737
Solar PV SOP	490	\$1,671,700	\$2,540,451	\$359,259	\$2,899,710	\$0	\$(1,228,010)
Residential Demand Response	22,270	\$1,500,240	\$966,030	\$89,258	\$1,055,288	\$0	\$444,952
Hard-to-Reach	6,692	\$11,603,220	\$11,048,655	\$1,264,640	\$12,313,295	\$0	\$(710,075)
Hard-to-Reach SOP	5,704	\$6,567,780	\$6,019,635	\$847,106	\$6,866,741	\$0	\$(298,961)
Targeted Low-Income SOP	988	\$5,035,440	\$5,029,020	\$417,534	\$5,446,554	\$0	\$(411,114)
Research & Development	NA	\$310,000	\$0	\$352,873	\$352,873	\$0	\$(42,873)
EM&V**	NA	\$713,605	\$0	\$713,462	\$713,462	\$0	\$143
Total	43,796	\$49,892,325	\$43,088,135	\$6,489,414	\$49,577,549	\$2,945,526	\$(2,630,750)

* Administration funds include \$6,687 of Rate Case Expenses approved in Docket No. 47235.

** EM&V costs shown are actual booked costs for 2017. For purposes of cost-effectiveness and bonus calculations, \$713,605 is used per TetraTech's 2017 EM&V cost allocation.

¹¹ Projected Budget taken from the EEPR filed in March 2017 under Project No. 46907.

IX. Market Transformation & Research & Development Results

Energy Efficiency Service Providers have the opportunity to bid to become an implementer of one or more of Oncor's Market Transformation Programs. The process Oncor uses to choose implementers includes identifying potential bidders, distributing a RFP (Request for Proposal), conducting a Bidders Conference, evaluating proposals, narrowing bidders to a shortlist, conducting oral presentations, selecting the winning bid, and negotiating and finalizing the contract.

Oncor's 2017 Market Transformation and Research & Development Programs are described below.

Small Business Direct Install Program (MTP)

Oncor's Small Business Direct Install MTP was launched during the third quarter of 2013. A new implementer was awarded the contract in 2016 after a RFP process was completed. The implementer has managed similar programs for utilities across the United States. This program was developed to assist an under-served segment identified by Oncor. The SBDI is a market transformation program designed to offer participating small commercial customers education on energy efficiency technologies, equip participating sub-contractors with the tools they need to succeed in installing projects in the small business market, and offer incentives to assist small (≤ 200 kW) businesses to install energy-efficient products such as high efficiency lighting and refrigeration measures. The program is focused on the non-Metro counties served by Oncor. The counties of Dallas, Collin, Tarrant, Denton and Rockwall are not eligible to participate in this program but can participate in the other commercial programs offered by Oncor. In 2017 participants installed measures that resulted in savings of 1,190 kW and 7,129,854 kWh.

The Program goals for 2017 were to provide convenient, turn-key select energy efficient measures to small and mid-sized non-residential customers.

Healthcare MTP

Oncor's Healthcare MTP was launched during the first quarter of 2016 and was not offered in 2017. There was carry-over savings in 2017 of 138 kW and 1,202,060 kWh.

Research and Development

During 2017, Oncor collaborated with the U.S. General Services Administration Proving Ground (GSA). Annually, the GSA issues a Request for Information from vendors to submit new energy efficient technologies into the program for evaluation. The GSA, Oncor, and national laboratories review submittals and select several for installation on Federal facilities. Technologies are evaluated for equipment performance, as well as energy and demand savings for up to one year. The collaboration also allows utilities to recommend technologies for inclusion in the program. The technologies may be installed and evaluated on Federal facilities within ERCOT, or other areas with similar weather zones.

In 2017, the focus of the R&D efforts moved from the national GSA program to directing research funds directly to GSA Region 7, which encompasses Texas and the contiguous states. Participation in this program provides Oncor with a pipeline of technologies for future programs. The collaboration

facilitated the addition of variable refrigerant flow HVAC systems to the Texas Technical Reference Manual in 2017.

Oncor also continued its membership in the Texas Energy Poverty Research Institute. TEPRI is a 501(c) (3) whose mission is to research the root causes of energy and fuel poverty and provide data for solutions that have an impact on low-income households.

X. Current Energy Efficiency Cost Recovery Factor (EECRF)

Oncor billed \$54,565,605 during 2017 through the EECRF.

Revenue Billed

Oncor - \$54,565,605

Sharyland - \$524,456

Over- or Under-Recovery

Company	Over/Under Recovery
Oncor	(\$23,221) Over-Recovery
Sharyland	\$60,398 Under-Recovery
Net	\$37,177 Under-Recovery

Net - \$37,177 Under-Recovery - This amount will be trued-up by rate class in Oncor's EECRF filing in 2018.

Shown below is a calculation detailing the performance bonus Oncor qualifies for based on 2017 program results.

Performance Bonus Calculation

Total Energy Efficiency Benefits	\$127,319,515
Total Energy Efficiency Expenditures	\$ 49,577,692
Total Net Benefits	\$ 77,741,823

2017 Minimum Goal MW	69.4
2017 Achieved Goal MW	155.23
Percentage Over Goal	123.67%

Bonus Calculation % of Net Benefits (1% of every 2% the Demand Goal is exceeded)	0.6184
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Bonus Based on 61.84% of Net Benefits (\$77,741,823 x .6184)	\$48,075,543
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Bonus Capped at 10% of 2017 Total Net Benefits (\$77,741,823 x .1)	\$7,774,182
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Total Bonus	\$7,774,182
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ACRONYMS

DR	Demand Response
DSM	Demand Side Management
EEP	Energy Efficiency Plan, which was filed as a separate document prior to April 2008
EEPR	Energy Efficiency Plan and Report
EER	Energy Efficiency Report, which was filed as a separate document prior to April 2008
EE Rule	Energy Efficiency Rule, PUCT 16 TAC §25.181 and §25.183
ERCOT	Electric Reliability Council of Texas
HTR	Hard-To-Reach
M&V	Measurement and Verification
MTP	Market Transformation Program
PUCT	Public Utility Commission of Texas
REP	Retail Electrical Provider
RES	Residential
SOP	Standard Offer Program

GLOSSARY

Actual weather adjusted -- “Actual weather adjusted” peak demand and energy consumption is the historical peak demand and energy consumption adjusted for weather fluctuations using weather data for the most recent ten years.

At meter -- Demand (kW/MW) and Energy (kWh/MWh) figures reported throughout the EEPR are reflective of impacts at the customer meter. This is the original format of the measured and deemed impacts which the utilities collect for their energy efficiency programs. Goals are necessarily calculated “at source” (generator) using utility system peak data at the transmission level. In order to accurately compare program impacts, goals and projected savings have been adjusted for the line losses (6.653%) that one would expect going from the source to the meter.

Average Growth -- Average historical growth in demand (kW) over the prior five years for residential and commercial customers adjusted for weather fluctuations.

Baseline -- A relevant condition that would have existed in the absence of the energy efficiency project or program being implemented, including energy consumption that would have occurred. Baselines are used to calculate program-related demand and energy savings. Baselines can be defined as either project-specific baselines or performance standard baselines (e.g. building codes).

Commercial customer -- A non-residential customer taking service at a metered point of delivery at a distribution voltage under an electric utility’s tariff during the prior program year or a non-profit customer or government entity, including an educational institution. For purposes of this section, each metered point of delivery shall be considered a separate customer.

Competitive energy efficiency services -- Energy efficiency services that are defined as competitive under §25.341 of the PUCT’s 16 TAC rules.

Conservation load factor – The ratio of the annual energy savings goal, in kilowatt hours (kWh), to the peak demand goal for the year, measured in kilowatts (kW) and multiplied by the number of hours in the year.

Deemed savings calculation -- An industry-wide engineering algorithm used to calculate energy and/or demand savings of the installed energy efficiency measure that has been developed from common practice that is widely considered acceptable for the measure and purpose, and is applicable to the situation being evaluated. May include stipulated assumptions for one or more parameters in the algorithm, but typically requires some data associated with actual installed measure. An electric utility may use the calculation with documented measure-specific assumptions, instead of energy and peak demand savings determined through measurement and verification activities or the use of deemed savings.

Deemed savings value -- An estimate of energy or demand savings for a single unit of an installed energy efficiency measure that has been developed from data sources and analytical methods that are widely considered acceptable for the measure and purpose, and is applicable to the situation being evaluated. An electric utility may use deemed savings values instead of energy and peak demand savings determined through measurement and verification activities.

Demand -- The rate at which electric energy is used at a given instant, or averaged over a designated period, usually expressed in kilowatts (kW) or megawatts (MW).

Demand savings -- A quantifiable reduction in demand.

Eligible customers -- Residential and commercial customers. In addition, to the extent that they meet the criteria for participation in load management standard offer programs developed for industrial customers and implemented prior to May 1, 2007, industrial customers are eligible customers solely for the purpose of participating in such programs.

Energy efficiency -- Improvements in the use of electricity that are achieved through customer facility or customer equipment improvements, devices, processes, or behavioral or operational changes that produce reductions in demand or energy consumption with the same or higher level of end-use service and that do not materially degrade existing levels of comfort, convenience, and productivity.

Energy Efficiency Cost Recovery Factor (EECRF) -- An electric tariff provision, compliant with subsection (f) of 16 TAC §25.181, ensuring timely and reasonable cost recovery for utility expenditures made to satisfy the goal of PURA §39.905 that provide for a cost-effective portfolio of energy efficiency programs pursuant to this section.

Energy efficiency measures -- Equipment, materials, and practices, including practices that result in behavioral or operational changes, implemented at a customer's site on the customer's side of the meter that result in a reduction at the customer level and/or on the utility's system in electric energy consumption, measured in kWh, or peak demand, measured in kW, or both. These measures may include thermal energy storage and removal of an inefficient appliance so long as the customer need satisfied by the appliance is still met.

Energy efficiency program -- The aggregate of the energy efficiency activities carried out by an electric utility under this section or a set of energy efficiency projects carried out by an electric utility under the same name and operating rules.

Energy efficiency project -- An energy efficiency measure or combination of measures undertaken in accordance with a standard offer, market transformation program, or self-delivered program.

Energy efficiency service provider -- A person or other entity that installs energy efficiency measures or performs other energy efficiency services under 16 TAC §25.181. An energy efficiency service provider may be a retail electric provider or commercial customer, provided that the commercial customer has a peak load equal to or greater than 50 kW. An energy efficiency service provider may also be a governmental entity or a non-profit organization, but may not be an electric utility.

Energy savings -- A quantifiable reduction in a customer's consumption of energy that is attributable to energy efficiency measures, usually expressed in kWh or MWh.

Estimated useful life (EUL) -- The number of years until 50% of installed measures are still operable and providing savings, and is used interchangeably with the term "measure life". The

EUL determines the period of time over which the benefits of the energy efficiency measure are expected to accrue.

Growth in demand -- The annual increase in demand in the Texas portion of an electric utility's service area at time of peak demand, as measured in accordance with 16 TAC Rule §25.181.

Hard-to-reach (HTR) customers -- Residential customers with an annual household income at or below 200% of the federal poverty guidelines.

Incentive payment -- Payment made by a utility to an energy efficiency service provider, an end-use customer, or third-party contractor to implement and/or attract customers to energy efficiency programs, including standard offer, market transformation, and self-delivered programs.

Industrial customer -- A for-profit entity engaged in an industrial process taking electric service at transmission voltage, or a for-profit entity engaged in an industrial process taking electric service at distribution voltage that qualifies for a tax exemption under Tax Code §151.317 and has submitted an identification notice pursuant to subsection (w) of 16 TAC §25.181.

Inspection -- Examination of a project to verify that an energy efficiency measure has been installed, is capable of performing its intended function, and is producing an energy savings or demand reduction equivalent to the energy savings or demand reduction reported towards meeting the energy efficiency goals of this section.

Lifetime energy (demand) savings -- The energy (demand) savings over the lifetime of an installed measure(s), project(s), or program(s). May include consideration of measure estimated useful life, technical degradation, and other factors. Can be gross or net savings.

Load control -- Activities that place the operation of electricity-consuming equipment under the control or dispatch of an energy efficiency service provider, an independent system operator, or other transmission organization or that are controlled by the customer, with the objective of producing energy or demand savings.

Load management -- Load control activities that result in a reduction in peak demand, or a shifting of energy usage from a peak to an off-peak period or from high-price periods to lower price periods.

Market transformation program -- Strategic programs intended to induce lasting structural or behavioral changes in the market that result in increased adoption of energy efficient technologies, services, and practices, as described in 16 TAC Rule §25.181.

Measurement and verification -- A subset of program impact evaluation that is associated with the documentation of energy or demand savings at individual sites or projects using one or more methods that can involve measurements, engineering calculations, statistical analyses, and/or computer simulation modeling. M&V approaches are defined in the IPMVP.

Off-peak period -- Period during which the demand on an electric utility system is not at or near its maximum. For the purpose of this section, the off-peak period includes all hours that are not in the peak period.

Peak demand -- Electrical demand at the times of highest annual demand on the utility's system. Peak demand refers to Texas retail peak demand and, therefore, does not include demand of retail customers in other states or wholesale customers.

Peak demand reduction -- Reduction in demand on the utility's system at the times of the utility's summer peak period or winter peak period.

Peak period -- For the purpose of this section, the peak period consists of the hours from one p.m. to seven p.m., during the months of June, July, August, and September, and the hours of 6 to 10 a.m. and 6 to 10 p.m., during the months of December, January, and February, excluding weekends and Federal holidays.

Program Year -- A year in which an energy efficiency incentive program is implemented, beginning January 1 and ending December 31.

Projected Demand and Energy Savings -- Peak demand reduction and energy savings for the current and following calendar year that Oncor is planning and budgeting for in the EEPR.

Renewable demand side management (DSM) technologies -- Equipment that uses a renewable energy resource (renewable resource), as defined in §25.173(c) (relating to Goal for Renewable Energy), a geothermal heat pump, a solar water heater, or another natural mechanism of the environment, that when installed at a customer site, reduces the customer's net purchases of energy, demand, or both.

Savings-to-Investment Ratio (SIR) -- The ratio of the present value of a customer's estimated lifetime electricity cost savings from energy efficiency measures to the present value of the installation costs, inclusive of any incidental repairs, of those energy efficiency measures.

Self-delivered program -- A program developed by a utility in an area in which customer choice is not offered that provides incentives directly to customers. The utility may use internal or external resources to design and administer the program.

Standard offer contract -- A contract between an energy efficiency service provider and a participating utility or between a participating utility and a commercial customer specifying standard payments based upon the amount of energy and peak demand savings achieved through energy efficiency measures, the measurement and verification protocols, and other terms and conditions, consistent with this section.

Standard offer program -- A program under which a utility administers standard offer contracts between the utility and energy efficiency service providers.

Underserved County -- A county that did not have reported demand or energy savings through a prior year's SOP or MTP.

APPENDICES

APPENDIX A: REPORTED DEMAND AND ENERGY REDUCTION BY COUNTY

Appendix A: Demand and Energy Reduction by County

COUNTY	Hard to Reach SOP	Small Business Direct Install MTP	Commercial SOP (Custom)	Residential Demand Response SOP	Commercial Load Mgmt. SOP	Home Energy Efficiency SOP	Commercial SOP (Basic)	Commercial Solar PV SOP	Residential Solar PV SOP	Targeted Low Income SOP	Healthcare MTP
ANDERSON	kW kWh	205 132,658	kW kWh	711 4263	kW kWh	64 12,126	64 kW kWh	kW kWh	kW kWh	16 2,377.9	kW kWh
ANDREWS	kW kWh	kW kWh	kW kWh	1783 10703	kW kWh	kW kWh	kW kWh	kW kWh	71 25,962.3	kW kWh	kW kWh
ANGELINA	kW kWh	44.6 61,044.8	kW kWh	981 5884	752 2,257	39.4 55,949.6	20.4 kW 96,434.9 kWh	kW kWh	kW kWh	14.8 25,391.4	kW kWh
ARCHER	kW kWh	41 28,247.0	kW kWh	128 769	10 2,733.0	10 kW kWh	10 kW kWh	17.0 50,523.1	50.4 83,356.0	50.4 83,356.0	kW kWh
BASTROP	kW kWh	kW kWh	kW kWh	347 2083	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
BAYLOR	kW kWh	kW kWh	kW kWh	177 532	177 532	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
BELL	kW kWh	1058.4 1,947,680.3	314 40,117.6	1515.9 9,093.7	4.47 13,250	589.7 1,037,870.0	33.8 kW 1,725,499.5 kWh	162.6 585,183.3	166.3 298,998.7	166.3 298,998.7	kW kWh
BROWN	kW kWh	88.9 477,135.8	0.0 96,855.3	185 1112	185 1112	kW kWh	35.4 kW 2,912,626.3 kWh	5.8 28,032.8	5.8 28,032.8	46.7 77,256.1	kW kWh
CHEROKEE	kW kWh	59.9 80,815	234 116,453.1	369 2212	113 340	129.9 218,503.9	129.9 kW kWh	kW kWh	kW kWh	2.3 4,137.0	kW kWh
CLAY	kW kWh	kW kWh	kW kWh	134 805	134 805	50 9,526.8	50 kW kWh	5.6 17,423.1	18.7 68,632.8	18.7 68,632.8	kW kWh
COLEMAN	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
COLLIN	kW kWh	1182.9 1,776,403.6	1151.1 7,414,979.8	2,599.1 15,593.8	6,512 19,538	2,619.6 4,569,380.1	851.6 kW 5,969,534.0 kWh	360.8 1,185,786.9	220.8 709,831.9	15.8 27,003.7	15.8 27,003.7
COMANCHE	kW kWh	28.8 53,076.8	39.6 257,894.8	2.5 14.9	2.5 14.9	12.7 21,951.2	12.7 kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
COOKE	kW kWh	9.3 16,170.3	kW kWh	210 125.8	210 125.8	12.1 20,811.4	20.3 kW 126,106.2 kWh	10.9 29,481.1	10.9 29,481.1	kW kWh	kW kWh
CORYELL	kW kWh	16.8 24,919.6	kW kWh	157.1 942.0	157.1 942.0	63.5 13,835.6	63.5 kW kWh	kW kWh	26.8 96,348.4	6.2 10,627.2	6.2 10,627.2
CRANE	kW kWh	14 5,206.9	14 5,206.9	12.4 74.3	12.4 74.3	kW kWh	kW kWh	kW kWh	2.4 8,578.0	2.4 8,578.0	kW kWh

DALLAS	kW kWh	4,335.3 6,202,332.4	kW kWh		kW kWh	642.9 4,142,027.0	kW kWh	5,149.6 30,898.3	kW kWh	23,179 69,536	kW kWh	11,254.2 17,947,810.2	kW kWh	5,733.9 34,068,709.2	kW kWh	409.2 1,428,553.7	kW kWh	318.7 1,013,980.6	kW kWh	1,158.5 1,918,162.0	kW kWh	
DAWSON	kW kWh		kW kWh		kW kWh	66.5 399.0	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	12.0 21,793.2	kW kWh	
DELTA	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	7.5 20,533.0	kW kWh		kW kWh		kW kWh		kW kWh	
DENTON	kW kWh	302.8 503,912.1	kW kWh		kW kWh	54.4 505,656.7	kW kWh	928.0 5,567.6	kW kWh	96 287	kW kWh	564.1 1,107,732.5	kW kWh	101.7 637,313.5	kW kWh	25.6 87,232.7	kW kWh	53.1 182,660.2	kW kWh	7.0 11,913.7	kW kWh	
EASTLAND	kW kWh		kW kWh	4.0 21,896.2	kW kWh		kW kWh	11.6 69.3	kW kWh		kW kWh	30.9 60,379.3	kW kWh		kW kWh	37.6 106,628.5	kW kWh		kW kWh		kW kWh	
ECTOR	kW kWh		kW kWh	26.6 18,901.0	kW kWh		kW kWh	1,308.8 7,852.6	kW kWh	14 43	kW kWh	24.2 55,553.7	kW kWh	2.2 10,249.2	kW kWh	59.2 204,395.0	kW kWh	56.3 194,092.5	kW kWh	34.3 58,506.9	kW kWh	
ELLIS	kW kWh	73.0 126,678.4	kW kWh	35.2 223,173.0	kW kWh	35.9 282,299.0	kW kWh	347.5 2,085.7	kW kWh	159 478	kW kWh	179.7 320,078.2	kW kWh	711 370,062.1	kW kWh		kW kWh	24.7 84,039.0	kW kWh	12 1,667.6	kW kWh	24.4 157,236.7
ERATH	kW kWh		kW kWh	7.9 38,225.9	kW kWh		kW kWh	13.8 82.7	kW kWh		kW kWh	6.6 13,840.9	kW kWh	28.7 173,004.4	kW kWh		kW kWh	1.7 8,516.7	kW kWh	11.1 18,878.0	kW kWh	
FALLS	kW kWh	2.4 3,748.3	kW kWh		kW kWh		kW kWh	5.0 30.0	kW kWh		kW kWh		kW kWh	6.6 34,590.3	kW kWh	2.9 9,226.7	kW kWh	8.0 34,749.1	kW kWh	0.1 173.8	kW kWh	
FANNIN	kW kWh	4.9 9,037.4	kW kWh	0.7 4,984.6	kW kWh		kW kWh	4.9 29.4	kW kWh		kW kWh	2.7 4,872.0	kW kWh		kW kWh		kW kWh	6.8 22,449.4	kW kWh		kW kWh	
FREESTONE	kW kWh	1.8 1,798.2	kW kWh	9.4 54,822.1	kW kWh		kW kWh	6.9 41.6	kW kWh		kW kWh	89.8 152,829.1	kW kWh	29.1 228,785.1	kW kWh		kW kWh		kW kWh		kW kWh	
GLASSCOCK	kW kWh		kW kWh		kW kWh		kW kWh	4.2 25.5	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
GRAYSON	kW kWh	260.3 352,809.7	kW kWh	26.9 139,748.0	kW kWh		kW kWh	139.5 836.9	kW kWh	1,013 3,040	kW kWh	1,607.4 2,133,113.0	kW kWh	716 361,677.3	kW kWh	159.1 517,616.3	kW kWh	12.4 41,434.3	kW kWh	12.5 20,014.0	kW kWh	
HENDERSON	kW kWh	5.0 8,012.2	kW kWh	19.3 101,655.4	kW kWh		kW kWh	67.3 404.6	kW kWh	1,736 5,207	kW kWh	126.3 242,007.4	kW kWh	8.5 40,191.3	kW kWh		kW kWh	110 35,221.8	kW kWh	3.2 5,470.9	kW kWh	20.1 102,732.3
HILL	kW kWh	43.9 54,039.2	kW kWh	15.0 90,728.9	kW kWh		kW kWh	15.6 93.4	kW kWh		kW kWh	6.7 11,902.5	kW kWh	23.6 154,452.7	kW kWh		kW kWh		kW kWh	12.5 21,428.2	kW kWh	
HOOD	kW kWh		kW kWh	10 4,021.7	kW kWh		kW kWh	22.0 131.8	kW kWh		kW kWh	55.8 161,627.6	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
HOPKINS	kW kWh	256.7 361,298.5	kW kWh	218 142,952.8	kW kWh		kW kWh	26.0 155.8	kW kWh		kW kWh	136.6 242,970.5	kW kWh	129.1 610,912.0	kW kWh		kW kWh	9.8 34,519.8	kW kWh		kW kWh	
HOUSTON	kW kWh		kW kWh		kW kWh		kW kWh	8.3 49.9	kW kWh	83 248	kW kWh	30.8 62,454.5	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
HOWARD	kW kWh		kW kWh		kW kWh		kW kWh	130.2 781.8	kW kWh	134 401	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	24.7 41,921.5	kW kWh	

HUNT	kW kWh	238 26,949.4	kW kWh	238 26,949.4	kW kWh	169 1013	kW kWh	169 1013	kW kWh	22 2,713.6	kW kWh	89 44,180.0	kW kWh	89 44,180.0	kW kWh	22 2,713.6	kW kWh	89 44,180.0	kW kWh	89 44,180.0
JACK	kW kWh		kW kWh		kW kWh	89 532	kW kWh	89 532	kW kWh	12 3,434.0	kW kWh	49 24,888.3	kW kWh	49 24,888.3	kW kWh	12 3,434.0	kW kWh	49 24,888.3	kW kWh	49 24,888.3
JOHNSON	kW kWh	358 57,024.5	kW kWh	358 57,024.5	kW kWh	214 1284.5	kW kWh	284 852	kW kWh	89.5 176,216.9	kW kWh	20.9 152,123.9	kW kWh	20.9 152,123.9	kW kWh	17.1 56,293.9	kW kWh	17.1 56,293.9	kW kWh	17.1 56,293.9
KAUFMAN	kW kWh	562 89,633.7	kW kWh	562 89,633.7	kW kWh	169 970.8	kW kWh	169 970.8	kW kWh	183.4 333,753.5	kW kWh	49.3 238,087.9	kW kWh	49.3 238,087.9	kW kWh	28.6 103,256.5	kW kWh	28.6 103,256.5	kW kWh	28.6 103,256.5
LAMAR	kW kWh	467 49,082.1	kW kWh	467 49,082.1	kW kWh	65.3 391.7	kW kWh	65.3 391.7	kW kWh	34.1 61,657.3	kW kWh	31.2 187,401.6	kW kWh	31.2 187,401.6	kW kWh	3.1 5,313.6	kW kWh	3.1 5,313.6	kW kWh	3.1 5,313.6
LAMPASSAS	kW kWh		kW kWh		kW kWh	8.5 51.2	kW kWh	8.5 51.2	kW kWh		kW kWh		kW kWh		kW kWh	2.3 7,275.1	kW kWh	2.3 7,275.1	kW kWh	2.3 7,275.1
LEON	kW kWh		kW kWh		kW kWh	0.7 3.9	kW kWh	0.7 3.9	kW kWh	14.3 24,737.6	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	0.3 496.0
LIMESTONE	kW kWh	97.1 13,122.9	kW kWh	97.1 13,122.9	kW kWh	6.9 41.1	kW kWh	6.9 41.1	kW kWh	27.4 46,080.4	kW kWh	7.6 64,922.3	kW kWh	7.6 64,922.3	kW kWh		kW kWh		kW kWh	14.1 25,261.2
LOVING	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
LYNN	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
MARTIN	kW kWh		kW kWh		kW kWh	3.3 20.0	kW kWh	3.3 20.0	kW kWh	14 3,685.0	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
MCLENNAN	kW kWh	259.1 347,097.0	kW kWh	259.1 347,097.0	kW kWh	324.3 1,948.2	kW kWh	118.98 35,687	kW kWh	566.0 107,141.5	kW kWh	427.8 2,969,483.3	kW kWh	427.8 2,969,483.3	kW kWh	28.4 84,616.4	kW kWh	28.4 84,616.4	kW kWh	34.8 59,599.6
MIDLAND	kW kWh		kW kWh		kW kWh	1506.9 9,040.9	kW kWh	716 2,417	kW kWh	100.4 229,325.7	kW kWh	16.8 84,617.2	kW kWh	16.8 84,617.2	kW kWh	11.2 39,269.3	kW kWh	11.2 39,269.3	kW kWh	12.3 21,329.8
MILAM	kW kWh		kW kWh		kW kWh	115 69.0	kW kWh	115 69.0	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	3.9 6,412.0
MITCHELL	kW kWh		kW kWh		kW kWh	9.1 54.3	kW kWh	9.1 54.3	kW kWh		kW kWh		kW kWh		kW kWh	36.2 109,720.0	kW kWh	36.2 109,720.0	kW kWh	
MONTAGUE	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
NACOGDOCHES	kW kWh	3.4 4,416.5	kW kWh	3.4 4,416.5	kW kWh	37.8 226.8	kW kWh	37.8 226.8	kW kWh	3.5 3,814.1	kW kWh	8.0 55,741.8	kW kWh	8.0 55,741.8	kW kWh		kW kWh		kW kWh	3.6 5,625.5
NAVARRO	kW kWh	10.2 16,215	kW kWh	10.2 16,215	kW kWh	23.5 140.9	kW kWh	23.5 140.9	kW kWh	71.9 150,192.0	kW kWh	9.3 44,058.5	kW kWh	9.3 44,058.5	kW kWh		kW kWh		kW kWh	0.0 40.0
NOLAN	kW kWh		kW kWh		kW kWh	48.2 289.2	kW kWh	48.2 289.2	kW kWh		kW kWh		kW kWh		kW kWh	36.1 109,624.3	kW kWh	36.1 109,624.3	kW kWh	0.0 40.0
PALO PINTO	kW kWh		kW kWh		kW kWh	42.3 253.4	kW kWh	42.3 253.4	kW kWh		kW kWh	11.5 54,891.3	kW kWh	11.5 54,891.3	kW kWh	5.0 14,921.2	kW kWh	5.0 14,921.2	kW kWh	

PARKER	kW kWh	66 30,385.1	kW kWh		kW kWh	149.9 899.4	kW kWh	302.1 1,866.6	kW kWh	94.9 63,649.5	kW kWh	6.7 43,777.9	kW kWh	15 8,570.1	kW kWh	82.6 139,053.6	kW kWh			
PECOS	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
REAGAN	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
RED RIVER	kW kWh		kW kWh		kW kWh	3.0 18.1	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	11.4 19,028.4	kW kWh			
REEVES	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
ROCKWALL	kW kWh	37.3 54,047.4	kW kWh		kW kWh	311.2 1,866.6	kW kWh	3,021 9,062	kW kWh	94.9 63,649.5	kW kWh	138.0 895,388.4	kW kWh	12.4 43,670.8	kW kWh		kW kWh			
RUSK	kW kWh		kW kWh		kW kWh	5.3 31.8	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
SCURRY	kW kWh		kW kWh		kW kWh	83.0 497.8	kW kWh	302 906	kW kWh		kW kWh	28.2 59,657.3	kW kWh		kW kWh	0.4 684.3	kW kWh			
SHACKLEFORD	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
SMITH	kW kWh	10.0 15,315.4	kW kWh		kW kWh	440.6 2,643.6	kW kWh	448 1,343	kW kWh	247.2 405,848.4	kW kWh	14.8 527,630.8	kW kWh	19.7 67,233.6	kW kWh	42.1 71,586.6	kW kWh	0.9 32,952.4		
STEPHENS	kW kWh		kW kWh		kW kWh	11.7 70.4	kW kWh		kW kWh	10.7 22,308.5	kW kWh		kW kWh		kW kWh		kW kWh			
TARRANT	kW kWh	2,866.0 4,438,794.0	kW kWh		kW kWh	500.3 3,807,011.9	kW kWh	13,979 41,938	kW kWh	6,526.8 11,852,727.6	kW kWh	2,918.0 18,017,136.2	kW kWh	140.5 438,322.7	kW kWh	223.7 743,733.2	kW kWh	1,158.6 1,931,092.9	kW kWh	88.6 845,454.9
TERRY	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
TOM GREEN	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
TRAVIS	kW kWh		kW kWh		kW kWh	34.5 1,886.6	kW kWh	533 1,600	kW kWh	49.3 122,263.7	kW kWh	14.6 70,690.1	kW kWh	15.2 41,131.8	kW kWh		kW kWh			
TRINITY	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
UPTON	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh			
VAN ZANDT	kW kWh		kW kWh		kW kWh	6.7 40.3	kW kWh		kW kWh	85.5 129,622.5	kW kWh	18.3 92,453.1	kW kWh		kW kWh	7.1 11,986.4	kW kWh			
WARD	kW kWh		kW kWh		kW kWh	64.0 384.0	kW kWh		kW kWh		kW kWh	2.7 9,547.5	kW kWh	11.7 41,464.5	kW kWh	7.8 12,824.0	kW kWh			
WICHITA	kW kWh		kW kWh		kW kWh	374.2 2,244.9	kW kWh	858 2,573	kW kWh	49.8 102,781.9	kW kWh	24.4 15,416.3	kW kWh	152.4 502,668.5	kW kWh	7.7 11,250.5	kW kWh			

WILLIAMSON	kW kWh	110.4 746,861.9	kW kWh	62.3 102,859.0	kW kWh	732.6 4,395.6	kW kWh	108 324	kW kWh	205.7 477,224.4	kW kWh	75.0 677,941.1	kW kWh	29.2 85,692.4	kW kWh	262.6 882,400.5	kW kWh	8.7 14,622.9	kW kWh
WINKLER	kW kWh		kW kWh		kW kWh	4.4 26.3	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh
WISE	kW kWh	9.3 56,301.2	kW kWh		kW kWh	36.4 218.4	kW kWh	1,532 4,596	kW kWh	119 27,059.5	kW kWh		kW kWh	32.1 108,163.2	kW kWh	10.2 34,446.0	kW kWh	0.7 871.4	kW kWh
WOOD	kW kWh		kW kWh		kW kWh	0.7 4.2	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh
YOUNG	kW kWh	13.5 91,068.7	kW kWh		kW kWh	17.2 103.3	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh
Total Sum of kW		11,083	1,190	2,552	24,151	72,060	26,135	11,381	1,488	1,854	3,196	138							
Total Sum of kWh		16,823,965	7,129,854	16,591,708	144,904	216,181	44,290,620	67,247,365	4,917,963	6,241,771	5,317,765	1,202,060							

APPENDIX B: PROGRAM TEMPLATES

Oncor has no new Program Templates for 2018.

APPENDIX C: LIST OF 2017 ENERGY EFFICIENCY SERVICE PROVIDERS

2018 Energy Efficiency Service Providers

Commercial SOP (Custom)

Adair Mechanical Services
Ally Energy Solutions, LLC
ARJO Engineers, Inc.
Blackhawk Equipment Corporation
Capstone Mechanical LP
Carrier Corporation
cVal Innovations LLC
Earthwise Constructors Group Corp
Enabled Energy, Inc.
Energy & Automation, Inc
Entech Sales & Service
E-TEX ENERGY SOLUTIONS LLC
Ex3 Facility Solutions, LLC
Forza Energy LLC
Green Generation Solutions LLC
Groom Energy Solutions LLC
Heat Transfer Solutions, Inc.
Hillhouse Power Solutions
Johnson Controls Inc
KirEnergy Services LLC
NexRev, Inc
NORDCO, INC.
Obtainable Energy
OpTerra Energy Services Inc.
Pepco Energy Services, Inc.
PepsiCo
Pflugerville ISD
Pure Power Group
Rapid Power Management LLC
Rexel Holdings USA Corp
Schneider Electric Buildings Americas Inc
SmartWatt Energy Inc
Smith Engineering PLLC
TDIndustries
Telios Corporation
The Brandt Companies, LLC
Trane
Transformative Wave Technologies
TXU Energy Retail Company LLC

US Energy Management
Waypoint Lighting LLC
Willdan Energy Solutions

Small Business Direct Install MTP

Lime Energy Services Company

Targeted Weatherization LI SOP

Texas Assoc. of Community Action Agencies, Inc.
EnerChoice LLC

Commercial Load Management SOP

Amerex Brokers LLC
Bridgevue Energy Services, LLC
Dokocil Manufacturing Company, Inc.
EnerNOC, Inc.
Enerwise Global Technologies, Inc. D/B/A CPower
Green Branch Energy
Innovari Market Solutions LLC
L5E, LLC
MJB Wood Group
North Texas Municipal Water District
NRG Curtailment Solutions Inc
PI Holdings Inc DBA Plastics Holdings Inc
Plains Pipeline, L.P.
Tierpoint Texas LLC
Verdigris Energy

HEE

I Way Services AKA One Way Services
A Better Insulation
A Plus Energy Solution LLC
A&E HOME INSULATION
Advent Systems INC., DBA SolarTechs
Affordable Solarscreens & Blinds Inc
AffordaSolar Inc
Aire Texas Residential Services Inc.
Alba Energy LLC
Allied Energy Savers
AllSave Energy Solutions, LLC
Alternatex Solutions, LLC
Amos Electric Supply, Inc.
AT&T Services Inc
Axiom Solar Inc.
Aztec Renewable Energy, Inc
B & B TEXAS CONTRACTORS
B and D Efficiency
Bearwall Energy Efficient Solutions LLC
Better Than Lights
Brightergy, LLC
Byrd electric
Chuck hart's energy connection
Circular Solar, Inc. DBA Circular Energy
City of Dallas
Classica la fe
Conergy
Crouch Capital, DBA ACT Home Energy Specialists
CRsolar Energy Solutions / CR-Invent LLC
D & R Insulation
D T Air Conditioning & Heating Inc,
Dallas Insulation LLC
Dallas Plumbing Company
Davis Electric Co.
DeRocher Associates
Designs By Marlene
DFW SOLAR ELECTRIC, LLC
E2 Conservation
Ecoenergy Conservation Group, LLC
ECOGREEN ENERGY SOLUTIONS
Ecoelectrics LLC
Ecological Estates LLC
Eden Energy Solutions, LLC
Electric Reducer
EnerChoice LLC
Energy Audits Of Texas
ENERGY CONSERVATION CONCEPTS
Energy Efficiency Resources
Energy Efficient Measures LLC
Energy Improvements
Energy One LLC
Energy Saver Pro
Entero Energy LLC
Excel 5-Star Energy Inc.
FREE Specialists, LLC
FREEDOM HEATING & AIR LLC.
Freedom Solar LLC
Garden of Eden
GNS Energy Efficiency
Gonzalez Insulation
Good Faith Energy
GoSolarGo, Inc.
Green Conservation
Green Medal Energy Corp
Green Ox Energy Solutions, LLC
Green Wolf Energy Inc
GREEN ZONE
Greenbelt Solar LLC
GreenLife Technologies, Inc.
GS CONSERVATION LLC
Guardian Exteriors, Inc.
HEB Grocery Company, LP
Hemco Electrical Contractors, Inc.
HML Energy Solutions LLC
Hobson Air Conditioning Inc
Holtek Enterprises Inc. dba Holtek Solar
Home Energy Efficiency
Home Energy Program
Home Improvement Systems, Inc.
Home Save Energy
HOMELAND ENERGY RESOURCE CENTER, INC
INFINITY SOLAR SOLUTIONS LLC
JP Energy Conservation
KOHL'S Department Stores, Inc.

HEE continued -

KTANG ENERGY SAVER .INC
Lighthouse Solar Austin
Lonestar energy solutions
Longhorn Solar
Lu and Sons
Major Solar & Electrical Services
Meridian Solar, Inc.
Native Inc
NCH Corporation
New Day Energy, LLC
NRG Conservation, Inc. DBA Energy Experts
NRG Pros
NRG RESIDENTIAL SOLAR SOLUTIONS, LLC
NRG Savers
Ormeno Enterprises LLC DBA M&P Energy Solutions
P D Construction Company dba Elect Saver
Performance Contracting Inc
Plan B Remodeling Systems
Prime Insulation & Construction
REC Solar Commercial Corporation
Revolve Solar LLC
River Co
RonRush Investment DBA Universal Solar System
San Miguel and Associates, Inc.
Saving Energreen Houses, LLC
Saving Energreen Houses, LLC
Saving Energy Solutions LLC
Self Reliant Solar LLC
Simple Power Systems LLC
SoCore Installation Services LLC
Solar CenTex LLC
Solar Haven Energy L L C
SolarCity Corporation
SolarLife Technology LLC
Solarview Inc
SRV Solutions
Sun City Solar Energy-North Texas LLC
SunPower Corporation, Systems

Target Corp
Texas Responsible Energy & Efficiency
Texas Sun Power LLC
Texas Watt Savers
Texoma Energy Solutions
The Energy Shop, Inc.
The Insulation Guy
TheGreenHomeMakeover.com
TRANSOFT CORPORATION LLC
Trusted Energy Services
TXE Solutions LLC DBA Service City Electric
Victor Reyes
Wells Solar & Electrical Services LLC
Yella Rose Development Corporation

Healthcare MTP

Willdan Energy Solutions

Residential Demand Response MTP

Ecobee Inc.
EnergyHub
Reliant Energy Retail Services, LLC
Whisker Labs, Inc.

Commercial Solar PV SOP

1 Sun Solutions LLC
Advent Systems INC., DBA SolarTechs
AITEO7 LLC
Amos Electric Supply, Inc.
Axium Solar Inc.
Aztec Renewable Energy, Inc
Byrd electric
Circle L Solar
City of Dallas
City of Snyder
CRsolar Energy Solutions / CR-Invent LLC
Davis Electric Co.
DFW SOLAR ELECTRIC, LLC
Earthwise Constructors Group Corp
Ecoelectrics LLC
Ecological Estates LLC
Electric Distribution & Design Systems
Entero Energy LLC
Facility Solutions Group
Freedom Solar LLC
Good Faith Energy
GoSolarGo, Inc.
Graybar Electric Company, Inc.
Green Generation Solutions LLC
Green Ox Energy Solutions, LLC
Green Wolf Energy Inc
Greenbelt Solar LLC
GreenLife Technologies, Inc.
Hobson Air Conditioning Inc
Holtek Enterprises Inc. dba Holtek Solar
INFINITY SOLAR SOLUTIONS LLC
Kingdom Consulting Services, DBA Elite Energy
Partner
Kosmos Solar
Lighthouse Solar Austin
Longhorn Solar
Major Solar & Electrical Services
Max Electric
Meridian Solar, Inc.
Native Inc
NCH Corporation
Nia Power LLC
performance contracting inc
R. Williams Electric, Inc.
Renewable Republic
RonRush Investment DBA Universal Solar System
Self Reliant Solar LLC
Smartworld energy Inc
Solar CenTex LLC
SolarCity Corporation
SolarLife Technology LLC
Solartime USA LLC
Solarugreen Corporation
Sun City Solar Energy-North Texas LLC
Sunfinity Solar-TX, LLC
Target Corp
Texas Responsible Energy & Efficiency
Texoma Energy Solutions
The Energy Shop, Inc.
TreeHouse, Inc
Unger Electric LLC
Vision Solar LLC
W Energies Group Solar One, LLC.
Willdan Energy Solutions
Wright-Way Solar Technologies, LLC

Residential Solar PV SOP

1 Sun Solutions LLC
Advent Systems INC., DBA SolarTechs
AffordaSolar Inc
AITEO7 LLC
Alba Energy LLC
Alternatex Solutions, LLC
Amos Electric Supply, Inc.
Axium Solar Inc.
Aztec Renewable Energy, Inc
Byrd electric
Circle L Solar
CRSolar Energy Solutions / CR-Invent LLC
Davis Electric Co.
DFW SOLAR ELECTRIC, LLC
Earthwise Constructors Group Corp
Ecoelectrics LLC
Ecological Estates LLC
Electric Distribution & Design Systems
Facility Solutions Group
Fisher Renewables LLC
Freedom Solar LLC
Good Faith Energy
GoSolarGo, Inc.
Green NRG, Inc.
Green Ox Energy Solutions, LLC
Green Wolf Energy Inc
Greenbelt Solar LLC
GreenLife Technologies, Inc.
Hemco Electrical Contractors, Inc.
HEsolar LLC
Hobson Air Conditioning Inc
Holtek Enterprises Inc. dba Holtek Solar
i.e.s. residential
INFINITY SOLAR SOLUTIONS LLC
Kosmos Solar
Lighthouse Solar Austin
Longhorn Solar
Major Solar & Electrical Services
Marc Jones Construction LLC
Max Electric
Native Inc
Longhorn Solar
Major Solar & Electrical Services
Max Electric
Native Inc
New Day Energy, LLC
Now Energy LLC
NRG RESIDENTIAL SOLAR SOLUTIONS, LLC
PetersenDean Texas INC
Revolve Solar LLC
RonRush Investment DBA Universal Solar System
Second Energy LLC
Self Reliant Solar LLC
Simple Power Systems LLC
Solar CenTex LLC
Solar Haven Energy L L C
Solar Side Up LLC
Solarch Integration LLC
SolarCity Corporation
SolarLife Technology LLC
SOLARTEK ENERGY OF AUSTIN
Solarugreen Corporation
Solarview Inc
Speir Innovations LLC
Sun City Solar Energy-North Texas LLC
Sunvergence Energy, LLC.
Sustainable Services LLC
Texas Responsible Energy & Efficiency
Texas Solar Power Company
Texas Sun Power LLC
Texoma Energy Solutions
The Energy Shop, Inc.
Tower Association Crue
Trusted Energy Services
Vision Solar LLC
Wells Solar & Electrical Services LLC

Hard-to-Reach SOP

1 Way Services AKA One Way Services
5 Star Energy Savers
A Better Insulation
A Plus Energy Solution LLC
A&E HOME INSULATION
Affordable Solarscreens & Blinds Inc
Allied Energy Savers
AllSave Energy Solutions, LLC
AllSave Energy Solutions, LLC
B & B TEXAS CONTRACTORS
B and D Efficiency
Better Than Lights
Chuck hart's energy connection
Classica la fe
Conergy
Crouch Capital, DBA ACT Home Energy Specialists
D & R Insulation
Dallas Insulation LLC
DeRocher Associates
Designs By Marlene
E2 Conservation
Ecoenergy Conservation Group, LLC
ECOGREEN ENERGY SOLUTIONS
Eden Energy Solutions, LLC
Electric Reducer
EnerChoice LLC
Energy Audits Of Texas
ENERGY CONSERVATION CONCEPTS
Energy Efficient Measures LLC
Energy Improvements
Energy Saver Pro
Excel 5-Star Energy Inc.
FREE Specialists, LLC
Garden of Eden
GNS Energy Efficiency
Gonzalez Insulation
Green Conservation
GS CONSERVATION LLC
HML Energy Solutions LLC
Home Energy Efficiency
Home Energy Program
Home Improvement Systems, Inc.
Home Save Energy
INSUL ATTIC CORPORATION
JP Energy Conservation
Lonestar energy solutions
Lu and Sons
NRG Conservation, Inc. DBA Energy Experts
NRG Pros
NRG Savers
P D Construction Company dba Elect Saver
Plan B Remodeling Systems
River Co
San Miguel and Associates, Inc.
Saving Energreen Houses, LLC
Saving Energy Solutions LLC
SRV Solutions
TheGreenHomeMakeover.com
TRANSOFT CORPORATION LLC
TXE Solutions LLC DBA Service City Electric
Victor Reyes
Yella Rose Development Corporation

Commercial SOP (Basic)

24 HOUR LTD
2C Technology Inc.
7-Eleven Inc
A Federal Source, LLC
ABM Building Services
Accurate Electrical Systems, Inc.
acm services llc
Adair Mechanical Services
Aelux, LLC
Agape electrical services llc
AGES Consult,dba Alternative Green Energy Solutions
AllSave Energy Solutions, LLC
Ameresco Dallas LLC
American Energy Efficiencies Inc.
Ameritech Energy Corporation
Amos Electric Supply, Inc.
Aquila Environmental LLC
Aquila Environmental LLC
ARIES CORPORATION
Ari-Tex Management, Inc.
ARJO Engineers, Inc.
Artex Automotive Sales II, LLC
ASG Energy, LLC
B & B TEXAS CONTRACTORS
Bambu Energy
Benchmark Group Inc.
Better Than Lights
BHHG Energy, LLC
BIDENERGY INC
Big D Electric LLC
Bowen Electric Co., Inc.
Boxer Property Management Corp
Boxer Property Management Corp
Brite Innovations Group, LLC
Capstone Mechanical LP
Carrier Corporation
Carrier Corporation
Chateau Energy Solutions LLC
Christ United Methodist Church
Clear Blue Energy Corp.
Cole Air Conditioning Company Inc
Colorado Lighting, Inc.
Conergy
Cracker Barrel Old Country Store INC
Cree Inc.
Creekwood Frisco Gaylord, LLC
Creekwood Frisco Gaylord, LLC
Curtis H. Stout, Inc.
Curtis H. Stout, Inc.
cVal Innovations LLC
cVal Innovations LLC
Dallas County Community College District
Dalworth Lighting Services
Daniels Air, Inc.
DFW International Airport
DFW International Airport
DFW LED Lights LLC
Earthwise Constructors Group Corp
ECOGREEN ENERGY SOLUTIONS
Ector County
E-MC Electrical, Inc.
Encentiv Energy, Inc.
ENCORE WIRE CORPORATION
Energy & Automation, Inc
Energy Audits Of Texas
Energy Conservation and Supply Inc.
Energy Management Collaborative, llc
Energy MPS
Energy Solutions of Texas
Energy Source, LLC
Energy Wise LED Solutions, LLC
EnerNet Solutions LLC
Entech Sales & Service
Envirolite LLC
Environmental Lighting Service, LLC
ERO ELECTRICAL SERVICES LLC

Commercial SOP (Basic) continued-

ESA Energy Systems Associates, Inc.
Essential Lighting Solutions, Inc.
Estes, McClure & Associates, Inc.
E-TEX ENERGY SOLUTIONS LLC
Everman ISD
EWP Ventures, LLC
Ex3 Facility Solutions, LLC
Facilities Service Group, Inc.
Facility Innovations Group
Facility Solutions Group
Faith Family Academy
Federal Lighting Illumination Capital,LLC
Flying X Capital LLC
Forza Energy LLC
FREE Specialists, LLC
Garden of Eden
General Services Administration
GentzlerElectric
Graybar Electric Company, Inc.
Green Energy Texas Tech
Green Generation Solutions LLC
Green Light Southwest
Green Property Advisors, LLC
GREEN ZONE
Greenleaf Energy Solutions LLC
Groom Energy Solutions LLC
Hargis Electric LLC.
Hargrove-Neel, Inc.
Harrison, Walker & Harper,LP
Heat Transfer Solutions, Inc.
Heritage Institute of Sustainability
Hillhouse Power Solutions
Home Energy Efficiency
Home Improvement Systems, Inc.
Home Save Energy
Howard County
Hulen Mall, LLC
Hurst Electric, LP
Inergy Solutions
INFINITY SOLAR SOLUTIONS LLC
Irving ISD
James L West Presbyterian Special Care center
Jim Whitten Roof Consultants, LLC
JJA Inc.
JKD Construct Co.dba Mr E Electric of Grand Prairie
Johnson Controls Inc
Joseph & Sammel, dba Southwest Electric & Supply
JP Energy Conservation
Kevco Electrical Construction, Inc.
KirEnergy Services LLC
Kroger
KWik Energy Solutions, LLC
Landlord Utility Mgmt. dba JEC Energy Savings
LED2 Solutions, LLC
Light Pioneers LLC
LightSource Unlimited
Linda Gregory, LLC dba Energy Saving Strategies
Littles and Associates, LLC
LNS Energy Solution
Luke Motor Company II, LLC
Managed Energy Systems, LLC
Mascot Mechanical LLC
MCD Services, LLC/DBA: DEC
McKinstry Essention, LLC
MD Engineering LP,LLP
Mechanical Solutions, Inc
MHSC Energy Management LLC
MJK Lighting LLC
Monterey Energy, Inc.
National Lighting Electrical Services Inc
New Academy Holding Company
NexRev, Inc
NORDCO, INC.
NRG Conservation, Inc. DBA Energy Experts

Commercial SOP (Basic) continued-

Obtainable Energy
OnPoint, LLC
On-Site Lighting & Survey LLC
OpSolve, LLC
OpTerra Energy Services Inc.
PBK Architects, Inc.
Peak Power Partners
Pepco Energy Services, Inc.
Perry Office Products, Inc.
Pflugerville ISD
Phillips Electrical Services, Inc.
Plan B Remodeling Systems
Polaris LED
Premium Waters Inc
ProSource Power LLC
Quinlan ISD
R. Williams Electric, Inc.
RaceTrac Petroleum, Inc
Ralen electric
Rapid Power Management LLC
Realwinwin, Inc.
Reed, Wells, Benson and Company
Regency Enterprises Inc. dba Regency Lighting
Restaurant Lighting Concepts
RetroLum LED, LLC.
Rexel Holdings USA Corp
Richardson ISD
Ridglea Electric Inc.
San Miguel and Associates, Inc.
Saving Energreen Houses, LLC
Schneider Electric Buildings Americas Inc
Schneider Electric Buildings Americas Inc
Shirley Air Inc.
Simon Property Group-Broadway Square
SmartWatt Energy Inc
Smith Engineering PLLC
Southwest Energy Solutions
Stephenville City Electric Inc
Stephenville City Electric Inc
Stiff's 5 Star Energy Conservation Services
Summit Electric Supply Co., Inc.
Summit Energy Services, Inc.
SUNDOG LED, LLC
Sunrise Development LLC
Sylvania Lighting Services
Synergy Power Solutions USA
Target Corp
TCDFW Industrial Development, Inc.
TDIndustries
Templeton Electric Company
TEMSCO, Inc.
Terrell Independent School District
Texal Energy LLC
Texas AirSystems LLC
Texas Maintenance Solutions
Texas Tech University Health Sciences Center
Texas Turnkey Energy Solutions, LLC.
The Brandt Companies, LLC
THE HILLSHIRE BRANDS COMPANY
The Neiman Marcus Group LLC.
The Ogni Group
The Reynolds Company
The Right Choice Heating & Air Inc
Titan LED, Inc
Trammell bell, llc
Trane
Trinity Lighting and Electrical Services
Triton Supply
TTESCO
TXU Energy Retail Company LLC
US Energy Management
Us Energy Recovery
Valderrama Energy Services
Vandergriff Automotive II LLC

Commercial SOP (Basic) continued-

Vandergriff Chevrolet II, LLC

Vandergriff Hyundai II, LLC

Verizon Corporate Services Group, Inc.

Voss Lighting

W. Douglass Distributing LTD

Waxahachie ISD

Waypoint Lighting LLC

WESCO Distribution, Inc.

Whatabrands LLC

Willdan Energy Solutions

WLS Lighting Systems

Word of God Fellowship, Inc, DBA Daystar Television
Network

World Energy Resources Corp

Xtra Light Manufacturing

YES LED Lighting, Inc

Zoom Air, Inc.

**APPENDIX D: SHARYLAND 2017 ENERGY EFFICIENCY
FUNDING AND PROGRAM RESULTS**

Sharyland Funding for Calendar Year 2017

PY2017	Total Projected Budget	Numbers of Customers Participating or Installed Measures	Actual Funds Expended (Incentives)	Actual Funds Expended (Admin)	Total Funds Expended
Commercial	\$193,477	6	\$107,197	\$16,760	\$123,957
Commercial SOP	\$11,500	0	\$0	\$2,070	\$2,070
Load Management SOP	\$45,977	1	\$25,664	\$10,939	\$36,603
Customized Commercial MTP	\$80,000	3	\$36,801	\$3,751	\$40,552
Open for Small/Medium Business MTP	\$56,000	2	\$44,732	\$0	\$44,732
Residential	\$182,263	152	\$158,299	\$40,864	\$199,162
Residential SOP	\$182,263	152	\$158,299	\$40,864	\$199,162
Hard-To-Reach	\$135,015	58	\$119,335	\$28,025	\$147,359
Hard-To-Reach SOP	\$66,459	32	\$57,681	\$14,890	\$72,571
Targeted Low Income Weatherization Program	\$68,556	26	\$61,653	\$13,135	\$74,788
Research & Development	\$10,862			\$15,299	\$15,299
2017 EECRF Proceeding Costs	\$0			\$46,179	\$46,179
EM&V Support	\$0			\$237	\$237
EM&V (TetraTech)	\$8,986			\$5,476	\$5,476
Total Annual Expenditures	\$530,603	216	\$384,831	\$152,839	\$537,670

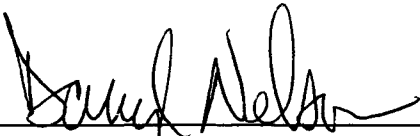
Sharyland Program Results for Calendar Year 2017

Program	Sector	kWh	kW
Customized Commercial MTP	Commercial	78,568	24.79
Residential SOP	Residential	554,920	218.30
Hard-to-Reach SOP	Residential	127,683	43.05
Targeted Low-Income Weatherization Program	Low Income	67,386	35.42
Load Management SOP	Commercial	1,284	642.00
Total		829,841	963.56

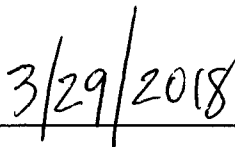
* Program results are the evaluated savings provided by the PUCT Evaluator.

ATTESTATION STATEMENT

Pursuant to P.U.C. Subst. R. 25.71(d), I attest that the information provided in this 2018 Energy Efficiency Plan and Report has been reviewed internally for accuracy and I have the authority to make this report on behalf of Oncor Electric Delivery.



Darryl Nelson



Date