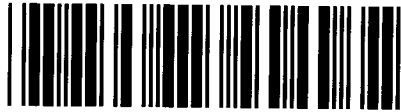




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ONCOR ELECTRIC DELIVERY COMPANY LLC

2015 Energy Efficiency Plan and Report

Substantive Rule §25.181 and §25.183

April 1, 2015

Project No. 44480

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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) Substantive Rules §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 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 2014 achievements, and reports plans for achieving 2015 and 2016 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 an executive summary, ten sections, a list of acronyms, a glossary and three appendices.

- The Executive Summary highlights Oncor's reported achievements for 2014 and Oncor's plans for achieving its 2015 and 2016 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 (2010-2014).
- Section VI compares Oncor's projected energy and demand savings to its reported and verified savings by program for calendar year 2014.
- Section VII details Oncor's incentive and administration expenditures for the previous five years (2010-2014) broken out by program for each customer class.
- Section VIII compares Oncor's actual and budgeted program costs from 2014 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 2014 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 – 2014 Energy Efficiency Service Providers.

EXECUTIVE SUMMARY

The Energy Efficiency Plan portion of this EEPR details Oncor's plans to achieve a 30% reduction in its annual growth in demand of residential and commercial customers for the 2015 program year and a 30% reduction for the 2016 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 2014 Oncor successfully implemented SOPs and MTPs, as required by PURA §39.905, that met Oncor's 30% energy efficiency savings goal by procuring 125,281 kW in demand savings. These programs included the Home Energy Efficiency SOP, Commercial SOP, Hard-to-Reach SOP, Targeted Weatherization Low-Income SOP, Commercial Solar Photovoltaic Installation SOP, Residential Solar Photovoltaic Installation SOP, Small Business Direct Install MTP, and the Commercial Load Management SOP. In addition, the Air Conditioning MTP had a small carry-over from 2013.

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)
2015	252.7	30%	70.8	124,042	97.3	110.3	197,436	\$50,499
2016	279.6	30%	78.3	137,357	98.2	138.1	227,264	\$60,720

* Demand goal at the meter = (252.7 MW x 30 % annual growth in demand reduction) x (1-.0665 line loss). Line loss is derived from the line loss factors in Oncor's last rate case proceeding (Docket No. 38929, work paper WP II-H-1.3) with the estimated peak demand of eligible energy efficiency premises.

** Calculated using a 20% conservation load factor.

In order to reach the above projected savings, Oncor proposes to continue implementation of the programs listed above and add the Residential Demand Response Pilot MTP in 2015.

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

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

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. 2015 Programs

A. 2015 Program Portfolio

Oncor plans to implement 10 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: 2015 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; New Construction
Residential Demand Response Pilot MTP	Residential	Load Management

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, ENERGY STAR® Roofs, window film, and process upgrades as well as new construction that exceeds existing energy code baselines per the Texas Resource Manual (TRM). 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 2015 budget for the Custom Component of the Commercial SOP is \$2,844,101 with targeted impacts of 4,482 kW and 19,943,734 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 TRM. 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. Savings and incentives are based on deemed savings. The 2015 budget for the Basic Component of the Commercial SOP is \$7,980,000 with targeted impacts of 13,000 kW and 60,323,557 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. 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 2015 budget for this program is \$11,607,131 with targeted impacts of 18,100 kW and 76,106,880 kWh.

The most common energy-efficient measures installed in the HEE SOP are attic insulation, duct sealing, and caulking/weather-stripping around doors and windows. Energy Efficiency Service

Providers must test for air leakage before and after installation when performing the duct sealing and weather-stripping measures. Other eligible energy-efficient measures include replacement of air conditioning units, heat pumps, and installation of ENERGY STAR® windows, refrigerators, dishwashers, clothes washers, solar window screens, wall insulation, floor insulation, and water heater jackets.

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 duct sealing, insulation, weather-stripping and caulking are installed at low or no cost to the customer. Oncor provides the incentive directly to the Service Provider. The 2015 budget for this program is \$6,865,992 with targeted impacts of 5,719 kW and 23,045,282 kWh. Qualifying measures are similar to those described above for the HEE SOP, as well as water-saving devices and Compact Fluorescent Lighting (CFLs).

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 Substantive Rule §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 2015.

Commercial Load Management Standard Offer Program (CLM SOP)

The CLM SOP targets commercial customers with demands greater than 100 kW. 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 2015 budget for this program is \$2,496,000 with targeted impacts of 55,000 kW and 165,000 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 standardized savings values or formulas ("Deemed Savings"). The 2015 budget for the CSPV SOP is \$4,838,031 with targeted impacts of 3,250 kW and 6,265,600 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 new and existing residential customer structures. Incentives are paid to Energy Efficiency Service Providers on the basis of standardized savings values or formulas ("Deemed Savings"). The 2015 budget for the RSPV SOP is \$4,052,136 with targeted impacts of 2,695 kW and 5,195,200 kWh.

Small Business Direct Install MTP (SBDI MTP)

Oncor's Small Business Direct Install SBDI 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 (≤ 100 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. 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 2015 budget for the SBDI MTP is \$1,390,032 with targeted impacts of 1,003 kW and 3,171,178 kWh.

Targeted Weatherization Low-Income SOP

For the 2015 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.

Substantive Rule §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 Subrecipient 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 10% program administration fee paid to TACAA. Federally funded Subrecipient 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 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, and water heater jackets.

The 2015 budget for this program is \$6,409,158 with targeted impacts of 1,050 kW and 3,219,300 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.

Research and Development

During 2015, 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 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. The collaboration allows utilities to recommend technologies for inclusion in the program, and have the technologies evaluated on facilities within ERCOT. Participation in this program provides Oncor with a pipeline of technologies for future programs. For more details on these programs, please see Section IX.

C. New Programs for 2015

Residential Demand Response Pilot MTP

Oncor's Residential Demand Response Pilot MTP is designed to explore residential demand response capabilities as a means to reduce peak electric demand. In 2015, the program will engage a provider to test the demand response capabilities of remotely controlled thermostats in single

family homes. The provider will use various control strategies, such as pre-cooling and cycling to reduce overall demand during the peak period. Based on the results from the 2015 peak season, the program may be expanded to REPs and Aggregators in 2016.

The Program is intended to: (1) demonstrate the usefulness of residential demand response as a means to curtail peak demand, (2) evaluate customer reactions to various control strategies, (3) measure and verify demand and energy savings and (4) evaluate customer participation and persistence.

Target Audience

The Program will be implemented in the Oncor service territory and target single family residential homes with central air conditioning. The homes will have at least 1,000 kWh of consumption per month during the summer peak season. Participating homeowners must purchase an eligible thermostat from a retail establishment or contractor.

Demand / Energy Savings

Similar programs operated in other utility service areas have achieved between 1 kW and 2 kW per home. The actual demand savings will be determined by Oncor using advanced meter data. The 2015 Program demand reduction goal is 6,000 kW. Although some energy savings may be achieved, none will be claimed from the 2015 Program.

Program Design

The 2015 Program will be marketed by a single vendor within the Oncor service territory. The vendor uses other subcontractors, such as residential alarm services to expand the reach of the program. Customers purchase and install an eligible thermostat and sign up for the program. During the registration process, the customer provides an electric use data release form to the vendor. Historically, a significant barrier to residential demand response cost effectiveness has been the up-front cost of the control device. This program design places the cost of the thermostat on the customer, reducing Program costs to ensure cost-effectiveness. If this Pilot Program is successful, in future years it will be open to multiple Energy Efficiency Service Providers.

The vendor is solely responsible for on-going customer care and marketing of the program. The vendor will be contacted by Oncor when a demand event occurs, and will be requested to curtail the participating customer load. A detailed discussion of the Program will be available in the Residential Demand Response Program Manual.

Research Plan

During a load reduction event, the Program will gather information about potential load reduction, customer participation and persistence, load control strategies, and whether customers override the thermostat during an event. Oncor will call three test events during the 2015 Program, if actual demand response events do not occur.

Program Budget

The budget for the 2015 Residential Demand Response Pilot MTP is \$275,000, or approximately \$46 / kW of demand reduction.

Program Timeline

Vendor selection for the 2015 Program is completed. The Program will conduct testing during the 2015 summer peak season. Results will be analyzed in October, after conclusion of the summer peak season.

Impact on Other Programs

Funding for the 2015 Residential Demand Response Pilot MTP will be reallocated from the 2015 Research and Development budget. It is not anticipated that the Program will impact any other programs in Oncor's Energy Efficiency portfolio.

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 Substantive Rule §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 2014 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 32.3%. According to the U.S. Census Bureau's 2014 Current Population Survey (CPS), 32.3% of Texas families fall below 200% of the poverty threshold. Applying that percentage to Oncor's residential customer totals, the number of HTR customers is estimated at 914,873. 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	435,130*
Residential	1,917,550
Hard-to-Reach	914,873
Total	3,267,553

* Customer count takes into account 2,704 qualifying for-profit industrial customers who have elected to exclude themselves from participation in Oncor's energy efficiency programs per Substantive Rule 25.181(w), as well as lighting premises.

III. Projected Energy Efficiency Savings and Goals

As prescribed by Substantive Rule §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 December 31, 2015 goal reflects the average annual growth in peak demand from 2010 to 2014 (the most recent historical load growth data available). The demand goals are based on meeting 30% of the electric utility's annual growth in demand of residential and commercial customers for the 2014, 2015 and 2016 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 2015 and 2016. The program-level goals presented in Table 5 are at the meter and take into account transmission and distribution line losses of 6.65%.

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

Customer Class and Program	2015 Projected Savings		2016 Projected Savings	
	(kW)	(kWh)	(kW)	(kWh)
Commercial	76,735	89,869,069	85,284	108,844,014
Commercial SOP	17,482	80,267,291	14,199	70,908,563
Emergency Load Management SOP	0	0	0	0
Commercial Load Management SOP	55,000	165,000	60,000	252,288
Small Business Direct Install MTP	1,003	3,171,178	1,423	6,656,171
Solar PV SOP	3,250	6,265,600	6,325	12,189,540
Grocery Stores MTP	0	0	1,951	11,594,884
Healthcare MTP	0	0	1,386	7,242,568
Residential	26,795	81,302,080	44,068	99,195,227
Home Energy Efficiency SOP	18,100	76,106,880	34,068	90,356,387
Solar PV SOP	2,695	5,195,200	3,500	7,358,400
Residential Demand Response Pilot MTP	6,000	0	6,500	1,480,440
Hard-to-Reach	6,769	26,264,582	8,734	19,224,654
Hard-to-Reach SOP	5,719	23,045,282	6,929	17,145,309
Targeted Weatherization Low-Income SOP	1,050	3,219,300	1,805	2,079,345
Total Annual Savings Goals	110,299	197,435,731	138,086	227,263,895

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.

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

2015 Customer Class and Program	Incentives	Administration	Total Budget
Commercial	\$17,169,930	\$2,378,234	\$19,548,164
Commercial SOP	\$9,511,011	\$1,313,090	\$10,824,101
Emergency Load Management SOP	\$0	\$0	\$0
Commercial Load Management SOP	\$2,200,000	\$296,000	\$2,496,000
Small Business Direct Install MTP	\$1,215,032	\$175,000	\$1,390,032
Solar PV SOP	\$4,243,887	\$594,144	\$4,838,031
Residential	\$13,811,452	\$2,122,815	\$15,934,267
Home Energy Efficiency SOP	\$10,006,947	\$1,600,184	\$11,607,131
Solar PV SOP	\$3,554,505	\$497,631	\$4,052,136
Residential Demand Response Pilot MTP	\$250,000	\$25,000	\$275,000
Hard-to-Reach	\$11,653,950	\$1,621,200	\$13,275,150
Hard-to-Reach SOP	\$6,004,950	\$861,042	\$6,865,992
Targeted Weatherization Low-Income SOP	\$5,649,000	\$760,158	\$6,409,158
Research & Development*	\$0	\$475,000	\$475,000
Evaluation, Measurement & Verification**	\$0	\$1,266,344	\$1,266,344
Total Budgets by Category	\$42,635,332	\$7,863,593	\$50,498,925
2016 Customer Class and Program	Incentives	Administration	Total Budget
Commercial	\$22,103,673	\$2,433,348	\$24,537,021
Commercial SOP	\$7,523,136	\$978,008	\$8,501,144
Emergency Load Management SOP	\$0	\$0	\$0
Commercial Load Management SOP	\$2,400,000	\$288,000	\$2,688,000
Solar PV SOP	\$7,625,974	\$610,078	\$8,236,052

Small Business Direct Install MTP	\$1,571,384	\$196,423	\$1,210,664
Grocery Stores MTP	\$1,596,989	\$194,496	\$2,348,628
Healthcare MTP	\$1,386,190	\$166,343	\$1,552,533
Residential	\$20,071,107	\$2,497,176	\$22,568,283
Home Energy Efficiency SOP	\$15,302,058	\$1,836,247	\$17,138,305
Solar PV SOP	\$4,432,136	\$620,499	\$5,052,635
Residential Demand Response MTP	\$336,913	\$40,430	\$377,343
Hard-to-Reach	\$11,425,957	\$1,260,420	\$12,686,377
Hard-to-Reach SOP	\$5,891,197	\$706,944	\$6,598,141
Targeted Weatherization Low-Income SOP	\$5,534,760	\$553,476	\$6,088,236
Research & Development*	\$0	\$500,000	\$500,000
Evaluation, Measurement & Verification**	\$0	\$428,635	\$428,635
Total Budgets by Category	\$53,600,737	\$7,119,579	\$60,720,316

* 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 2015 are projected expenditures Oncor will incur in 2015 and include \$957,710 for EM&V of 2014 programs and \$308,634 for EM&V of 2015 programs. EM&V costs shown for 2016 are projected expenditures Oncor will incur in 2016 for EM&V of 2015 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 (2010-2014) calculated in accordance with Substantive Rule §25.181.

Table 7: Historical Demand Savings Goals and Energy Targets

Calendar Year	Actual Demand Goal (MW at Source)	Projected Savings (MW at Meter)	Projected Energy Savings (MWh at Meter)	Reported & Verified Savings (MW at Meter)	Reported & Verified Energy Savings (MWh at Meter)
2014 ⁴	69.4	120.9	209,595	125.3	202,105
2013 ⁵	54.6	118.4	234,471	112.7	224,666
2012 ⁶	53.1	99.2	193,650	129.5	194,827
2011 ⁷	53.1	95.2	227,022	75.0	209,973
2010 ⁸	53.1	78.3	234,807	101.1	225,785

⁴ 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.

⁵ 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.

⁶ Projected MW Savings and Projected Energy Savings as reported in the 2012 Energy Efficiency Plan & Report (EEPR) filed in April of 2012 under Project No. 40194. Actual Demand Goal as discussed in Table 4.

⁷ Projected MW Savings and Projected Energy Savings as reported in the 2011 Energy Efficiency Plan & Report (EEPR) filed in April of 2011 under Project No. 39105. Actual Demand Goal as discussed in Table 4.

⁸ Projected MW Savings and Projected Energy Savings as reported in the 2010 Energy Efficiency Plan & Report (EEPR) filed in April of 2010 under Project No. 37982. 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 2014 and 2013⁹ (at Meter)

2014		Projected Savings		Reported and Verified Savings	
Customer Class and Program		kW	kWh	kW	kWh
Commercial		87,937	103,184,188	80,110	88,104,999
Commercial SOP (Custom)		6,036	26,910,354	3,701	22,321,309
Commercial SOP (Basic)		12,993	57,926,810	9,114	47,855,098
Emergency Load Management SOP		0	0	0	0
Commercial Load Management SOP		60,000	0	59,245	190,543
Solar PV SOP		8,158	15,722,024	6,932	12,818,936
Small Business Direct Install MTP		750	2,625,000	1,118	4,919,113
Residential		24,828	76,101,222	35,118	89,664,570
Home Energy Efficiency SOP		21,500	69,685,800	30,794	81,868,628
Solar PV SOP		3,328	6,415,422	4,227	7,494,188
Air Conditioning MTP		0	0	97	301,754
Hard-to-Reach		8,160	30,310,000	10,053	24,335,566
Hard-to-Reach SOP		6,500	25,110,000	7,978	20,450,231
Targeted Weatherization LI SOP		1,660	5,200,000	2,075	3,885,335
Total Annual Savings Goals		120,925	209,595,410	125,281	202,105,135
2013¹⁰		Projected Savings		Reported and Verified Savings	
Customer Class and Program		kW	kWh	kW	kWh
Commercial		84,892	126,590,605	76,545	87,508,241
Commercial SOP (Custom)		7,000	37,490,400	2,241	14,661,850
Commercial SOP (Basic)		13,500	66,666,000	10,343	47,552,920
Emergency Load Management SOP		0	0	0	0
Educational Facilities MTP		3,673	10,293,280	4,837	13,796,079
Government Facilities MTP		940	2,635,008	890	4,650,116
Commercial Load Management SOP		55,000	0	55,000	225,509
Air Conditioning MTP		329	929,917	328	903,990
Solar PV SOP		4,450	8,576,000	2,836	5,391,829
Small Business Direct Install MTP		0	0	71	325,948
Residential		25,119	76,506,651	28,514	106,323,544
Home Energy Efficiency SOP		19,465	64,795,816	24,744	98,479,927
Solar PV SOP		4,787	9,228,249	2,891	5,157,153
Air Conditioning MTP		867	2,482,586	879	2,686,464
Hard-to-Reach		8,350	31,374,062	7,675	30,834,663
Hard-to-Reach SOP		6,700	26,210,377	6,600	27,815,914
Targeted Weatherization LI SOP		1,650	5,163,685	1,075	3,018,748
Total Annual Savings Goals		118,361	234,471,318	112,734	224,666,448

⁹ Projected Savings totals for 2014 and 2013 from Table 7. Reported Savings may not add due to rounding.

¹⁰ Reported and Verified Savings data for 2013 taken from EEPR, Project 42264.

VII. Historical Program Expenditures

This section documents Oncor's incentive and administration expenditures for the previous five years (2010-2014) broken out by program for each customer class.

Table 9: Historical Program Incentive and Administrative Expenditures for 2010 through 2014

	2014		2013		2012		2011		2010	
	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)
Commercial	19,377,464	2,165,471	19,551,051	1,839,924	18,664,020	2,563,706	18,800,971	1,818,333	14,441,237	1,733,682
Solar PV SOP	8,836,015	982,403	3,690,362	191,731	NA	NA	NA	NA	NA	NA
Commercial SOP	NA	NA	NA	NA	NA	NA	10,786,990	650,793	7,978,354	716,264
Commercial SOP (Custom)	2,096,336	255,912	2,174,265	225,750	6,893,602	1,136,211	NA	NA	NA	NA
Third Party DSM Contracts	NA	NA	NA	NA	NA	NA	NA	NA	278,467	28,931
Emergency Load Management SOP	0	0	0	0	0	0	0	0	0	0
Commercial Load Management SOP	2,369,800	218,750	2,200,000	219,024	3,393,960	415,550	839,610	229,983	1,179,226	185,931
Educational Facilities MTP	NA	NA	4,433,441	435,851	3,820,735	439,693	4,383,960	357,774	3,484,196	303,700
Government Facilities MTP	NA	NA	1,362,956	135,036	1,289,202	154,081	1,288,010	196,093	485,423	142,049
Data Centers MTP	NA	NA	NA	NA	NA	NA	NA	NA	723,125	124,645
Small Business Direct Install MTP	1,339,022	122,469	103,916	9,843	NA	NA	NA	NA	NA	NA
Small Commercial SOP	NA	NA	NA	NA	NA	NA	1,037,421	217,207	107,592	115,389
Commercial SOP (Basic)	4,736,291	585,937	5,265,440	588,785	3,023,424	388,632	NA	NA	NA	NA
Air Conditioning Distributor MTP	NA	NA	NA	NA	NA	NA	NA	NA	204,854	116,773
Air Conditioning MTP	NA	NA	320,671	33,904	243,097	29,539	464,980	166,483	NA	NA
Residential	18,237,838	2,008,173	18,444,393	2,130,467	11,141,966	1,578,061	8,848,028	1,440,485	9,326,025	1,351,632
Home Energy Efficiency SOP	12,950,424	1,474,757	13,564,608	1,624,208	10,007,239	1,437,642	6,731,824	783,646	7,098,271	727,460
ENERGY STAR® Homes MTP	NA	NA	NA	NA	472,500	58,194	986,050	180,168	824,860	126,914
A/C Installer MTP	NA	NA	NA	NA	NA	NA	NA	NA	144,493	81,026
A/C Tune-Up MTP	NA	NA	NA	NA	NA	NA	NA	NA	51,661	76,108

Refrigerator/Freezer Recycle MTP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0
Solar PV MTP	5,219,930	527,249	4,152,680	429,265	NA	NA	NA	NA	NA	NA	NA	NA
Air Conditioning Distributor MTP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	571,358	115,574
Air Conditioning MTP	67,484	6,167	727,105	76,994	756,497	92,502	992,320	197,106	NA	NA	NA	NA
Residential Demand Response MTP	NA	NA	NA	NA	NA	NA	7,768	137,612	335,439	126,563	NA	NA
Statewide Residential CFL MTP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENERGY STAR® Low Rise MTP	NA	NA	NA	NA	(94,270)	(10,277)	130,066	141,953	299,943	97,987	NA	NA
Hard-to-Reach	12,495,958	1,281,622	12,731,505	1,392,930	13,137,110	1,697,983	13,886,026	1,289,137	12,594,322	1,116,950	NA	NA
Hard-to-Reach SOP	6,499,328	732,039	6,941,505	841,064	8,206,413	1,145,918	9,478,765	974,243	9,586,061	909,875	NA	NA
Target Weatherization (known as TDHCA in 2006 & 2007)	5,996,630	549,583	5,790,000	551,866	4,930,697	552,065	4,407,261	314,894	3,008,261	207,075	NA	NA
Total Program Expenditures	50,111,260	5,455,266	50,726,949	5,363,321	42,943,096	5,839,750	41,535,025	4,547,955	36,361,584	4,202,264	NA	NA

VIII. Program Funding for Calendar Year 2014

Oncor exceeded its 2014 mandated demand goal of 69.4 MW by obtaining 125.3 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 \$60,188,344.

The **Small Business Direct Install MTP** exceeded the 2014 budget due to a reallocation of commercial funding to the program to accommodate the high demand in the small business market. The additional incentives were reallocated from the Commercial SOP, which was not performing at the projected level.

The **Commercial Solar PV SOP** exceeded the 2014 budget due to a reallocation of commercial funding to the program to accommodate the high demand for Solar Photovoltaic systems. The additional incentives were reallocated from the Commercial SOP, which was not performing at the projected level.

The **Commercial SOP (Custom)** was under budget in 2014 due to \$866,370 in incentives committed but not expended during the year. A focused effort on outreach increased the number of Service Providers by over 35% from the previous year; however, the average size and scope of the projects were smaller. Incentive funding was reallocated from the Commercial SOP (Custom) to the Solar PV MTP and the Small Business Direct Install MTP.

The **Commercial SOP (Basic)** was under budget in 2014 due to \$1,621,880 in incentives committed but not expended during the year and because the average size and scope of the projects were smaller than the previous year with fewer high-savings deemed cooling projects. A focused effort on outreach increased the number of Service Providers by over 30% from the previous year. Incentive funding was reallocated from the Commercial SOP (Basic) to the Solar PV MTP.

Table 10: Program Funding for Calendar Year 2014

	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	1,157	\$25,013,111	\$19,377,464	\$2,165,471	\$21,542,935	\$2,488,250	\$981,926
Commercial SOP (Custom)	66	\$2,699,975	\$2,096,336	\$255,912	\$2,352,248	\$866,370	\$(518,643)
Emergency Load Management SOP	0	\$0	\$0	\$0	\$0	\$0	\$0
Commercial Load Management SOP	177	\$2,665,181	\$2,369,800	\$218,750	\$2,588,550	\$0	\$76,631
Commercial SOP (Basic)	542	\$10,049,660	\$4,736,291	\$585,937	\$5,322,228	\$1,621,880	\$3,105,552
Solar PV MTP	75	\$8,548,295	\$8,836,015	\$982,403	\$9,818,418	\$0	\$(1,270,123)
Small Business Direct Install MTP	297	\$1,050,000	\$1,339,022	\$122,469	\$1,461,491	\$0	\$(411,491)

¹¹ Projected Budget taken from the EEPR filed in April 2014 under Project No. 42264.

Residential	16,786	\$19,673,763	\$18,237,838	\$2,008,173	\$20,246,011	\$138,765	\$(711,013)
Home Energy Efficiency SOP	15,944	\$13,725,013	\$12,950,424	\$1,474,757	\$14,425,181	\$0	\$(700,168)
Solar PV MTP	720	\$5,948,750	\$5,219,930	\$527,249	\$5,747,179	\$138,765	\$62,806
Air Conditioning MTP	122	\$0	\$67,484	\$6,167	\$73,651	\$0	\$(73,651)
Hard-to-Reach	5,781	\$13,655,626	\$12,495,958	\$1,281,622	\$13,777,580	\$0	\$(121,954)
Hard-to-Reach SOP	4,686	\$6,994,345	\$6,499,328	\$732,039	\$7,231,367	\$0	\$(237,022)
Targeted Low-Income SOP	1,095	\$6,661,281	\$5,996,630	\$549,583	\$6,546,213	\$0	\$115,068
Research & Development	NA	\$1,200,000	\$0	\$753,539	\$753,539	\$0	\$446,461
EM&V*	NA	\$1,373,166	\$0	\$1,241,264	\$1,241,264	NA	\$131,902
Total	23,724	\$60,915,666	\$50,111,260	\$7,450,069	\$57,561,329	\$2,627,015	\$727,322

* EM&V costs shown are actual booked costs for 2014. For purposes of cost-effectiveness and bonus calculations, \$1,263,034 is used per TetraTech's 2014 EM&V cost allocation.

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 2014 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 using an implementer experienced in managing the program for other utilities in the Texas market. This program was developed to assist an under-served segment identified by Oncor. The SBDI is a market transformation program designed to offer participating Service Providers and small commercial 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 (≤ 100 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. 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 2014 participants installed measures that resulted in savings of 1,118 kW and 4,919,113 kWh.

The Program goals for 2014 were to grow and develop the number of trained Service Providers that would assist this targeted segment while meeting the goals developed for the Program.

Research and Development

Oncor funded a baseline energy efficiency program and one supplemental program with EPRI during 2014. Program 170 is a broad, collaborative EPRI membership program entitled End-Use Energy Efficiency and Demand Response in a Low-Carbon Future. The program focuses on three primary project areas: Analytical Frameworks, Demand Response Systems, and Energy Efficiency Technologies. The 2014 program elements are described below:

- Research, development and demonstration (RD&D) on advanced end-use technologies that enable and enhance energy efficiency
- RD&D on advanced technologies and tools that enable demand response
- Collaboration with equipment vendors to improve performance and reduce costs of energy efficient equipment and demand response systems through assessment, lab testing, and field demonstrations
- Development of analytical frameworks to value the economic and environmental benefits of energy efficiency and demand response to utilities, customers, and society
- Development and refinement of an industry-standard modeling approach to quantify the impact of energy efficiency on reducing carbon emissions
- Reliable, comprehensive, and easily accessible data on the nature of plug loads, which constitute the least understood and fastest growing segment of electricity consumption
- Easily understandable, concise, and technically accurate information and tools on existing and emerging energy efficiency and DR technologies for utilities and their customers

Key areas of work include:

- Advanced heat pump water heaters
- Non-intrusive load monitoring industry update
- Residential variable capacity heat pumps
- Demand response capability inventory
- High performance retail buildings
- Evaluation of value of customer storage
- Peak load management of thermal loads
- Grid interactive water heaters
- Assessment of new motor technologies
- Technology innovation using data analytics to produce customer insights
- DR ready devices
- Commercial refrigeration
- Efficient data centers
- Heat pump frost inhibition
- Efficiency gains in appliances and plug loads
- Lighting controls for energy efficiency and demand response
- Evaluation of harmonic and energy impact of household lighting

Program results are communicated to Oncor and other funders in advisory meeting and in various reports. Oncor will complete the commitment to Program 170 at the end of 2014 and will not participate in 2015.

Additionally, Oncor initiated an EPRI self-directed funds project to evaluate the market potential of restaurant and hospitality segments. This project should be completed by July 2015 and will not have a 2015 budget impact.

Oncor also collaborates with the U.S. General Services Administration's Green Proving Ground. The Program uses the GSA's real estate portfolio to evaluate innovative sustainable building technologies. Each fall, the GSA issues a Request for Information to identify new energy efficient technologies. Vendors provide detailed descriptions of their technologies to the GSA for review. Typically, the GSA will receive applications for 130 to 140 technologies. After several rounds of review by the GSA and National Laboratories, several technologies are selected for installation on GSA properties. The technologies undergo a stringent measurement and verification process for up to one year. Energy savings, demand savings, and equipment performance are evaluated to determine overall viability of the technology. Oncor collaborates with the GSA, and funds energy-efficient technologies that have savings potential in the Oncor service territory and Texas. The results of the GSA technology evaluations are reviewed by a consultant to determine whether technologies are ready for introduction into the ERCOT market. If appropriate, petitions could be filed for deemed savings approval. The purpose of the collaboration is to introduce new technologies and deemed savings into the ERCOT market.

X. Current Energy Efficiency Cost Recovery Factor (EECRF)

Oncor billed \$73,649,687 during 2014 through the EECRF.

Revenue Billed

\$73,649,687

Over- or Under-recovery

\$4,035,465 (Over) - This amount will be trued-up by rate class in Oncor's EECRF filing in 2015.

Shown below is a calculation detailing the performance bonus Oncor qualifies for based on 2014 program results.

Performance Bonus Calculation

Total Energy Efficiency Benefits	\$155,791,228
Total Energy Efficiency Expenditures	\$57,583,099
Total Net Benefits	\$98,208,129

2014 Minimum Goal MW	69.4
2014 Achieved Goal MW	125.281
Percentage Over Goal	80.52%

Bonus Calculation % of Net Benefits (1% of every 2% the Demand Goal is exceeded)	0.4026
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Bonus Based on 40.26% of Net Benefits (\$98,208,129 x .4026)	\$39,538,593
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Bonus Capped at 10% of 2014 Total Net Benefits (\$98,208,129 x .1)	\$9,820,813
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Total Bonus	\$9,820,813
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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 Substantive Rules §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 (6.65%) 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 substantive 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 Substantive Rule §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 Substantive Rule §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 Substantive 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 Substantive Rule §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 Substantive 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)	Air Conditioning MTP (Residential)	Commercial Load Mgmt. SOP	Home Energy Efficiency SOP	Commercial SOP (Basic)	Commercial Solar PV SOP	Residential Solar PV SOP	Targeted Low Income SOP
ANDERSON	kW kWh 4,946.0	12 kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0	kW kWh 4,946.0
ANDREWS	kW kWh 8,791.0	4.8 kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0	kW kWh 8,791.0
ANGELINA	kW kWh 3,611.2	0.9 kW kWh 3,611.2	15 kW kWh 6,295.0	kW kWh 6,295.0	kW kWh 6,295.0	kW kWh 6,295.0	kW kWh 6,295.0	kW kWh 6,295.0	kW kWh 6,295.0	kW kWh 6,295.0
ARCHER	kW kWh 2,379.2	12 kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2
BASTROP	kW kWh 2,379.2	12 kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2	kW kWh 2,379.2
BELL	kW kWh 506,553.8	244.1 kW kWh 506,553.8	208.3 kW kWh 898,794.0	78.3 kW kWh 374,98.7	3,271.0 kW kWh 10,232.0	246.8 kW kWh 63,192.0	53.7 kW kWh 527,025.7	172.3 kW kWh 325,980.0	37.5 kW kWh 557,950.0	22.7 kW kWh 53,510.3
BROWN	kW kWh 13,86.0	3.1 kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0	kW kWh 13,86.0
BURNETT	kW kWh 6,790.0	16 kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0
CHEROKEE	kW kWh 6,790.0	16 kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0	kW kWh 6,790.0
CLAY	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4	kW kWh 33,657.4
COLEMAN	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0	kW kWh 18,670.0
COLLIN	kW kWh 2,833,896.7	662.5 kW kWh 2,833,896.7	kW kWh 2,833,896.7	4.9 kW kWh 46,335.0	3,498.0 kW kWh 10,807.0	2,552.7 kW kWh 6,717,921.8	524.1 kW kWh 2,405,866.1	883.8 kW kWh 1,723,040.0	657.2 kW kWh 1,716,998.8	15.0 kW kWh 28,912.0
COMANCHE	kW kWh 38,447.0	9.2 kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0	kW kWh 38,447.0
COOKE	kW kWh 117,804.3	22.4 kW kWh 117,804.3	113 kW kWh 62,071.0	69.0 kW kWh 592,570.1	kW kWh 592,570.1	5.0 kW kWh 24,474.4	kW kWh 24,474.4	kW kWh 24,474.4	kW kWh 24,474.4	kW kWh 24,474.4
CORYELL	kW kWh 10,069.4	2.0 kW kWh 10,069.4	2.0 kW kWh 10,069.4	kW kWh 10,069.4	kW kWh 10,069.4	kW kWh 10,069.4	kW kWh 10,069.4	kW kWh 10,069.4	kW kWh 10,069.4	kW kWh 10,069.4
CRANE	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4	kW kWh 967.4

DALLAS	kW 3,393.0	kW 8,189,525.7	kW 1358.5	kW 9,226,987.7	kW 212	kW 6,1960.0	kW 16,228.0	kW 53,003.0	kW 12,372.1	kW 3,1673,177.2	kW 4,237.8	kW 2,1927,80.8	kW 3,394.6	kW 6,037,977.6	kW 1503,202.4	kW 86.18	kW 7312
DAWSON	kW 4.9	kW 8,284.6	kW 17	kW 3,697.3	kW 1510	kW 280,568.0	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 15.5	kW 15.5
DELTA	kW 17	kW 3,697.3	kW 1510	kW 280,568.0	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 594,094.9	kW 15.5	kW 15.5	kW 15.5
DENTON	kW 44.8	kW 452,012	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 2.0	kW 2.0
EASTLAND	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 4,865.6	kW 2.0	kW 2.0	kW 2.0
ECTOR	kW 84.0	kW 348,425.0	kW 84.0	kW 348,425.0	kW 84.0	kW 348,425.0	kW 84.0	kW 348,425.0	kW 84.0	kW 348,425.0	kW 84.0	kW 348,425.0	kW 84.0	kW 348,425.0	kW 84.0	kW 84.0	kW 84.0
ELLIS	kW 26.2	kW 66,365.4	kW 26.2	kW 66,365.4	kW 26.2	kW 66,365.4	kW 26.2	kW 66,365.4	kW 26.2	kW 66,365.4	kW 26.2	kW 66,365.4	kW 26.2	kW 66,365.4	kW 26.2	kW 26.2	kW 26.2
ERATH	kW 38.7	kW 155,526.0	kW 38.7	kW 155,526.0	kW 38.7	kW 155,526.0	kW 38.7	kW 155,526.0	kW 38.7	kW 155,526.0	kW 38.7	kW 155,526.0	kW 38.7	kW 155,526.0	kW 38.7	kW 38.7	kW 38.7
FALLS	kW 16.8	kW 90,662.0	kW 16.8	kW 90,662.0	kW 16.8	kW 90,662.0	kW 16.8	kW 90,662.0	kW 16.8	kW 90,662.0	kW 16.8	kW 90,662.0	kW 16.8	kW 90,662.0	kW 16.8	kW 16.8	kW 16.8
FANNIN	kW 0.9	kW 1596.3	kW 0.9	kW 1596.3	kW 0.9	kW 1596.3	kW 0.9	kW 1596.3	kW 0.9	kW 1596.3	kW 0.9	kW 1596.3	kW 0.9	kW 1596.3	kW 0.9	kW 0.9	kW 0.9
FREESTONE	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 2.3	kW 2.3
GLASSCOCK	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 11029.0	kW 2.3	kW 2.3	kW 2.3
GRAYSON	kW 48.6	kW 192,230.8	kW 48.6	kW 192,230.8	kW 48.6	kW 192,230.8	kW 48.6	kW 192,230.8	kW 48.6	kW 192,230.8	kW 48.6	kW 192,230.8	kW 48.6	kW 192,230.8	kW 48.6	kW 48.6	kW 48.6
HENDERSON	kW 7.2	kW 30,993.1	kW 7.2	kW 30,993.1	kW 7.2	kW 30,993.1	kW 7.2	kW 30,993.1	kW 7.2	kW 30,993.1	kW 7.2	kW 30,993.1	kW 7.2	kW 30,993.1	kW 7.2	kW 7.2	kW 7.2
HILL	kW 2.4	kW 9,273.3	kW 2.4	kW 9,273.3	kW 2.4	kW 9,273.3	kW 2.4	kW 9,273.3	kW 2.4	kW 9,273.3	kW 2.4	kW 9,273.3	kW 2.4	kW 9,273.3	kW 2.4	kW 2.4	kW 2.4
HOOD	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 52.3	kW 52.3
HOPKINS	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 222,454.0	kW 52.3	kW 52.3	kW 52.3
HOUSTON	kW 13	kW 5,325.0	kW 13	kW 5,325.0	kW 13	kW 5,325.0	kW 13	kW 5,325.0	kW 13	kW 5,325.0	kW 13	kW 5,325.0	kW 13	kW 5,325.0	kW 13	kW 13	kW 13
HOWARD	kW 8.0	kW 20,247.1	kW 8.0	kW 20,247.1	kW 8.0	kW 20,247.1	kW 8.0	kW 20,247.1	kW 8.0	kW 20,247.1	kW 8.0	kW 20,247.1	kW 8.0	kW 20,247.1	kW 8.0	kW 8.0	kW 8.0

WILLIAMSON	kW	812	kW	9.0	kW		kW	8.7	kW	204.0	kW	187.4	kW	5.8	kW	66.6	kW	368.8	kW	0.4
	kWh	182,278.7	kWh	37,835.0	kWh		kWh	25,876.0	kWh	763.0	kWh	286,754.2	kWh	24,226.7	kWh	125,493.0	kWh	655,575.0	kWh	987.4
WINKLER	kW		kW		kW		kW		kW		kW		kW		kW		kW			
	kWh		kWh		kWh		kWh		kWh		kWh		kWh		kWh		kWh			
WISE	kW		kW	30.1	kW		kW	0.7	kW	67.0	kW	2.9	kW	114	kW		kW	26.8	kW	
	kWh		kWh	126,827.0	kWh		kWh	3,321.0	kWh	1060.0	kWh	4,986.6	kWh	53,126.1	kWh		kWh	48,623.0	kWh	
WOOD	kW		kW		kW		kW		kW		kW		kW		kW		kW			
	kWh		kWh		kWh		kWh		kWh		kWh		kWh		kWh		kWh			
Young	kW		kW		kW		kW		kW		kW		kW		kW		kW			
	kWh		kWh		kWh		kWh		kWh		kWh		kWh		kWh		kWh			
Total Sum of kW		7,578		1,118	3,701		97		59,245		30,794		9,114		6,932		4,227		2,075	
		20,450,231		4,939,113	22,321,309		30,1754		190,543		81,866,628		47,855,098		12,855,936		7,494,188		3,885,335	

APPENDIX B: PROGRAM TEMPLATES

Oncor has no new Program Templates for 2015.

APPENDIX C: LIST OF 2014 ENERGY EFFICIENCY SERVICE PROVIDERS

2014 Energy Efficiency Service Providers

Commercial SOP (Custom)

A Cooler House	KirEnergy Services LLC
Advent Systems INC., DBA SolarTechs	kWik Energy Solutions, LLC
Aelux, LLC	Linda Gregory, LLC dba Energy Saving Strategies
Air Wind Solar LLC.	Maneri~Agraz Enterprises, Ltd.
American Energy Solutions, Inc.	Mazzetti, Inc.
American Wholesale Lighting Inc.	McKinstry Essention, LLC
Arlington Independent School District	Monterey Energy, Inc.
Axxis Building Systems Inc	MP2 Energy, LLC
Bank of America	Mustang Lighting, Inc
Bick Group	Next Step Energy Solutions
Budget Lighting, Inc.	Noble Conservation Solutions Inc.
Bldg. Energy Solutions & Tech, Inc. dba Bes-Tech, Inc.	NORDCO, INC.
Capstone Mechanical LP	NORESCO LLC
Carrier Corporation	North East Mall
Carrier Enterprise, LLC	Pflugerville ISD
Circle-E Maintenance Inc	Plains Pipeline, L.P.
Circular Solar, Inc DBA Circular Energy	Prologis
City Park Construction, LLC	Pure Power Group
CLEARRESULT Consulting	Rapid Power Management LLC
cVal Innovations LLC	Reed, Wells, Benson and Company
Davis Electric Co.	Regency Enterprises Inc. dba Regency Lighting
Delta T Corporation dba Big Ass Solutions	Schneider Electric Buildings Americas Inc
DFW SOLAR ELECTRIC, LLC	SIEMENS INDUSTRY, INC.
E-TEX ENERGY SOLUTIONS LLC	SmartWatt Energy Inc
Energy & Automation, Inc	Stiff's 5 Star Energy Conservation Services
Energy Conservation & Supply	Summers Group Inc
Energy Management Collaborative, llc	Summit Energy Services, Inc.
Energy Solutions of Texas	Sylvania Lighting Services
Enoetics, LLC	TDIndustries
EnviroLite LLC	Ten Twenty-four Industries, LLC
Facility Solutions Group	The Brandt Companies, LLC
Graybar Electric Company, Inc.	Time Manner Construction LLC
Green Light Southwest	Trammell bell, llc
Green Ox Energy Solutions, LLC	Trane
Groom Energy Solutions	TRINITY ELECTRIC SUPPLY CO., LLC
Hillhouse Power Solutions	Voss Lighting
Ideal Impact, Inc.	TX LED
Intex Electrical Contractor	Wachter, Inc.
Johnson Controls Inc	Waypoint Lighting LLC
Kevco Electrical Construction, Inc.	Zoom Air, Inc.

Home Energy Efficiency SOP

1 Way Services AKA One Way Services	Energy Efficient Measures LLC
1st Green Solutions	Energy Improvements
A Better Insulation	Energy Management Experts
A Cooler House	Energy Saver Pro
A Plus Energy Solution LLC	Excel 5-Star Energy Inc.
A&E HOME INSULATION	Express Insulation
AAA Efficiency	Five Star Energy Saver
ACT Home Energy Specialists LP	FREE Specialists, LLC
ADVANCED ENERGY CONSERVATION	Garden of Eden
Advanced Energy Solutions	GDinh Inc. DBA Sky Energy Inc.
All American Energy Saver	Get A Energy Audit
All Real Estate Brokerage LLC	GNS Energy Efficiency
Allied Energy Savers	Gonzalez Insulation
Allumbra eco	GOT INSULATION CORPORATION
Anderson Energy Services	Green Conservation
B & B TEXAS CONTRACTORS	Green Earth Conservation, LLC
B and D Efficiency	Green Start Energy Specialists
Better Than Lights	GREEN ZONE
Big Star Conservation Inc	GS CONSERVATION LLC
Bryan's Conservation Services Inc.	Hemco Electrical Contractors, Inc.
Bumblebee Energy Solutions	HML Energy Solutions LLC
Burson Services	Hobson Air Conditioning Inc
Carter Management Group LLC	Home Electric Saving
Chuck Hart's Energy Connection	Home Energy Efficiency
Classica la fe	Home Energy Program
CN Home Electric Saving	HOME ENERGY SAVERS
Conditioned Air Services	Home Improvement Systems, Inc.
Conergy	Home Save Energy
Creative energy concepts II	Innovative Energy Services
cVal Innovations LLC	Insight Energy Solutions
Designs By Marlene	J Allen Wallace Equity Investments LLC DBA
Duong Tran, LLC	Wallace Unlimited Home Services
Dynamic Energy Solutions	JASCAR ENTERPRISES INC
E3 Solutions, LLC	John Energy Weatherization savers
Ecoenergy Conservation Group, LLC	JP Energy Conservation
EcoSource	K & M Enterprises
Eden Energy Solutions, LLC	Lonestar energy solutions
Electric Reducer	LRJR Construction
EMERALD ENERGY	LT Services
Energy Audits Of Texas	Lu and Sons
ENERGY CONSERVATION CONCEPTS	Mueller Energy Conservation

HEE continued -

N & T Energy Experts Inc
Norstar Energy Solutions
NRG Conservation, Inc. DBA Energy Experts
NRG Pros
NRG Savers
One-Choice Energy Experts LLC
Ormeno Enterprises LLC DBA M&P Energy Solutions
P D Construction Company dba Elect Saver
Plan B Remodeling Systems
Potech electric services
Quirozave
RBK Energy Save LLC.
real conservation energy
Redline Mechanical
Reliant Heating & Air Conditioning, Inc.
River Co
SAK Home Energy
San Miguel and Associates, Inc.
Saving Energreen Houses, LLC
Saving Energy Solutions LLC
Seal-It
Signature Sales (Energy Project)
SRV Solutions
Sustainable Services LLC
T & L ENERGY INC
Texas Home and Energy Solutions
Texas Power Savers
TheGreenHomeMakeover.com
TXE Solutions LLC DBA Service City Electric
Victor Reyes
W&B, Inc. dba ALL SERVICE HEATING AND AIR

Air Conditioning MTP

ICF Resources

Targeted Weatherization LI SOP

Texas Association of Community
Action Agencies, Inc.

Small Business Direct Install MTP

CLEARRESULT Consulting

Commercial Solar PV SOP

A Cooler House
Able Electric
Advent Systems INC., DBA SolarTechs
AffordaSolar Inc
Air Wind Solar LLC.
Alba Energy LLC
Apricor Technologies, LLC
Axiom Solar Inc.
Aztec Renewable Energy, Inc
Baker Roofing Company
BAP Power dba Cenergy Power
Carroll ISD
Circular Solar, Inc DBA Circular Energy
City of Dallas
CRsolar Energy Solutions / CR-Invent LLC
CVAL Innovations LLC
Davis Electric Co.
DFW SOLAR ELECTRIC, LLC
Dubco Solar
Efficient Energy of Tennessee
Energy Experts
Fisher Renewables LLC
Freedom Solar LLC
Green Ox Energy Solutions, LLC
Green Wolf Energy Inc
Greenbelt Solar LLC
Greeniverse
GreenLife Technologies, Inc.
Holtek Enterprises Inc. dba Holtek Solar
Home Improvement Systems, Inc.
IAQ Mechanical LLC, DBA:A-Apex Home Energy
Management
ICC Solar
INFINITY SOLAR SOLUTIONS LLC
KDR Services, LLC
Lend Lease (US) Construction, Inc
Lighthouse Solar Austin
Longhorn Solar
Martifer Solar USA, Inc.
Meridian Solar, Inc.
Microgrid Energy, LLC
Native Inc

New Day Energy, LLC
NVT Licenses, LLC
Ontility LLC
Performance Contracting Inc
Revolve Solar LLC
RonRush Investment DBA Universal Solar System
Self Reliant Solar LLC
Simple Power Systems LLC
SoCore Installation Services LLC
Solar CenTex
SolarCity Corporation
Sparkman Electric, LLC
Sun City Solar Energy-North Texas LLC
SWG Energy Inc
Texas Responsible Energy & Efficiency
Texas Sun Power LLC
The Energy Shop, Inc.
Trane

Commercial Load Management SOP

Acclaim Energy, Ltd.
ACME BRICK COMPANY
Alden Energy Consulting LLC
Amerex Brokers LLC
CHILDREN'S MEDICAL CENTER
CIRRO ENERGY SERVICES
Colo4, LLC
Comverge
Constellation NewEnergy, Inc.
Daskocil Manufacturing Company, Inc.
Energy curtailment Specialists, Inc
EnerNOC, Inc.
MJB Wood Group
NetPeak Energy Group LLC
PI Holdings Inc DBA Plastics Holdings Inc
Sanden International USA, Inc.
Texas Health Resources
Vedero Software
Verdigris Energy

Residential Solar PV SOP

A Cooler House	ICC Solar
Abbott Electric, Inc	INFINITY SOLAR SOLUTIONS LLC
Able Electric	Jon Wright Solar LLC
AC Solar Solutions	KDR Services, LLC
Advent Systems INC., DBA SolarTechs	Lighthouse Solar Austin
AffordaSolar Inc	Lime Light Solar
Air Wind Solar LLC.	Longhorn Solar
Alba Energy LLC	Native Inc
Applied Solar LLC	New Day Energy, LLC
Apricor Technologies, LLC	NRG RESIDENTIAL SOLAR SOLUTIONS, LLC
Aspenmark Roofing Solutions LLC	Ontility LLC
Axium Solar Inc.	Renewable Republic
Aztec Renewable Energy, Inc	Revolve Solar LLC
CAM Solar, Inc.	RonRush Investment DBA Universal Solar System
Circular Solar, Inc DBA Circular Energy	Self Reliant Solar LLC
CRsolar Energy Solutions / CR-Invent LLC	Simple Power Systems LLC
cVal Innovations LLC	Solar CenTex
Davis Electric Co.	SolarCity Corporation
DFW SOLAR ELECTRIC, LLC	SOLARTEK ENERGY OF AUSTIN
DubCo Solar	Sun City Solar Energy-North Texas LLC
Efficient Energy of Tennessee	SWG Energy Inc
Energy Experts	Texas Responsible Energy & Efficiency
Entech Electronics, LLC	Texas Solar Power Company
EPIC Solar Energy	Texas Sun Power LLC
Fine Lines	The Energy Shop, Inc.
Fisher Renewables LLC	Tom Norrell Your Master Electrician
Freedom Solar LLC	Woodall Construction Services
Global Efficient Energy, LLC	
Green Ox Energy Solutions, LLC	
Green Wolf Energy Inc	
Greenbelt Solar LLC	
Greeniverse	
Greenland Energy Dynamics	
GreenLife Technologies, Inc.	
Hoffman Electric LLC	
Holtek Enterprises Inc. dba Holtek Solar	
Home Improvement Systems, Inc.	
IAQ Mechanical LLC, DBA:A-Apex Home Energy Management	

Hard-to-Reach SOP

1 Way Services AKA One Way Services	Home Electric Saving
1st Green Solutions	Home Energy Efficiency
A Better Insulation	Home Energy Program
A&E HOME INSULATION	HOME ENERGY SAVERS
AAA Efficiency	Home Improvement Systems, Inc.
ACT Home Energy Specialists LP	Innovative Energy Services
ADVANCED ENERGY CONSERVATION	John Energy Weatherization savers
Advanced Energy Solutions	JP Energy Conservation
Allied Energy Savers	Lonestar energy solutions
Anderson Energy Services	Lu and Sons
B & B TEXAS CONTRACTORS	Mueller Energy Conservation
B and D Efficiency	Norstar Energy Solutions
Better Than Lights	NRG Pros
Big Star Conservation Inc	NRG Savers
Bryan's Conservation Services Inc.	Ormeno Enterprises LLC DBA M&P Energy Solutions
Chuck Hart's Energy Connection	P D Construction Company dba Elect Saver
Classica la fe	Plan B Remodeling Systems
CN Home Electric Saving	Redline Mechanical
Conergy	River Co
DeRocher Associates	San Miguel and Associates, Inc.
Designs By Marlene	Saving Energreen Houses, LLC
Dynamic Energy Solutions	Signature Sales (Energy Project)
E3 Solutions, LLC	SRV Solutions
Ecoenergy Conservation Group, LLC	Sustainable Services LLC
EcoSource	T & L ENERGY INC
Eden Energy Solutions, LLC	TheGreenHomeMakeover.com
Electric Reducer	TXE Solutions LLC DBA Service City Electric
EMERALD ENERGY	Victor Reyes
Energy Audits Of Texas	
Energy Efficient Measures LLC	
Energy Improvements	
Five Star Energy Saver	
FREE Specialists, LLC	
Garden of Eden	
GDinh Inc. DBA Sky Energy Inc.	
GNS Energy Efficiency	
Green Conservation	
Green Earth Conservation, LLC	
Green Start Energy Specialists	
GREEN ZONE	
GS CONSERVATION LLC	

Commercial SOP (Basic)

1st Green Solutions	Denison ISD
7-Eleven Inc	E-TEX ENERGY SOLUTIONS LLC
A Better Insulation	East Texas Lighthouse for the Blind
A Cooler House	Eden Energy Solutions, LLC
Advent Systems INC., DBA SolarTechs	Eden Trading INC
Aelux, LLC	Efficiency Energy Services
All Phase Electric	Efficient Facilities International Inc.
American Energy Efficiencies Inc.	ELKINS HARDWARE, INC
Amerlight LLC	Emily Grene Corp
Arlington Independent School District	Energy Design Service Systems
AWC Inc	Energy Experts
Axxis Building Systems Inc	Energy IQ
Bambu Energy	Energy Management Associates, Inc
Bank of America	Energy Management Collaborative, llc
Bluestone Energy Services, LLC	Energy Solutions of Texas
Bravo Lighting LLC	Enoetics, LLC
Brazos Electric Power Cooperative, Inc.	Entech Sales & Service
Bright Star Energy Management, LLC	EnviroLite LLC
Budget Lighting, Inc.	Environmental Lighting Service, LLC
Cain Electrical Supply	Essential Lighting Solutions, Inc.
Capstone Mechanical LP	Estes, McClure & Associates, Inc.
Carrier Corporation	Facility Solutions Group
Carrier Enterprise, LLC	Fine Line Electric, Inc.
CARROLLTON-FARMERS BRANCH ISD	Finisar Corporation
CenterPoint Properties Trust	Fort Worth ISD
Chateau Energy Solutions LLC	Four Point Star Operating Co LP
Chevron Energy Solutions Company, a division of Chevron USA Inc.	Girl Scouts of Northeast Texas Inc.
Circle-E Maintenance Inc	GP Group
Cisco Systems, Inc.	Grainger Lighting Services
City of Round Rock	Grapevine/Colleyville ISD
City of Temple, Texas	Graybar Electric Company, Inc.
City Park Construction, LLC	Green Energy Texas Tech
Cleburne Independent School District	Green Generation Solutions LLC
Community Link Mission, Inc	Green Light Southwest
Connally ISD	Green Lighting and Energy Consultants
CSM	Green Lighting Consultants LLC
Custom Performance Contracting, LLC	Green Ox Energy Solutions, LLC
CVal Innovations LLC	GreenLight Energy Services, LLC
D & S Electric Services, Inc.	Groom Energy Solutions
Davis Electric Co.	Grubbs Infiniti LTD
Delta T Corporation dba Big Ass Solutions	Happy Energy Solution, Inc.
	Hargis Electric LLC.