

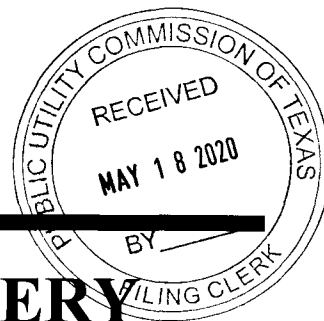


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# **ONCOR ELECTRIC DELIVERY COMPANY LLC**

## **2020 Energy Efficiency Plan and Report**

**16 Tex. Admin Code §25.181 and §25.183 (TAC)**

**Amended May 18, 2020**

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Project No. 50666

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## INTRODUCTION

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

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

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

The EE Rule includes specific requirements related to the implementation of SOPs and MTPs by investor-owned electric utilities that control the manner in which they must administer their portfolio of energy efficiency programs in order to achieve their mandated energy efficiency savings goals. Oncor's EEPR is intended to enable the Company to meet its statutory savings goals through implementation of energy efficiency programs in a manner that complies with PURA §39.905 and the EE Rule. As outlined in the EE Rule, this EEPR covers the previous five years of demand savings goals and energy targets, including 2019 achievements, and reports plans for achieving 2020 and 2021 projected energy efficiency savings. The following section provides a description of what information is contained in each of the subsequent sections and appendices.

## ENERGY EFFICIENCY PLAN AND REPORT ORGANIZATION

This EEPR consists of the following information:

### **Executive Summary**

- The Executive Summary highlights Oncor's reported achievements for 2019 and Oncor's plans for achieving its 2020 and 2021 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 (2015-2019).
- Section VI compares Oncor’s projected energy and demand savings to its reported and verified savings by program for calendar year 2019.
- Section VII details Oncor’s incentive and administration expenditures for the previous five years (2015-2019) broken out by program for each customer class.
- Section VIII compares Oncor’s actual and budgeted program costs from 2019 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 the revenue billed during 2019 through Oncor’s Energy Efficiency Cost Recovery Factor (EECRF) and describes 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 – 2019 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 – 2019 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 five-year average annual growth in demand of residential and commercial customers for the 2020 program year and four-tenths of 1% of summer weather-adjusted five-year average peak demand for the combined residential and commercial customers for the 2021 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 2019 Oncor successfully implemented SOPs and MTPs, as required by PURA §39.905, that met Oncor's 30% energy efficiency savings goal by procuring 167,450 kW in demand savings. These programs included the Home Energy Efficiency SOP, Hard-to-Reach SOP, Targeted Weatherization Low-Income SOP, Residential Solar Photovoltaic Installation SOP, Residential Load Management SOP, Commercial Solar Photovoltaic Installation SOP, Small Business Direct Install MTP, Commercial SOP, Commercial Load Management SOP, Retro-commissioning MTP and the Retail Platform MTP.

**Table 1: Summary of Goals, Projected Savings, and Projected Budgets<sup>1</sup>**

Calendar Year	Average Growth in Demand (MW at Source)	MW Goal (% of Growth in Demand)	Demand (MW) Goal (at Meter) based on 30% Reduction)*	Energy MWh Goal (at Meter) based on 30% Demand Goal***	Demand Goal (MW) at 0.4% of Peak Demand (at meter)**	Energy MWh Goal at 0.4% of Peak Demand (at Meter)***	Projected MW Savings (at Meter)	Projected MWh Savings (at Meter)	Projected Budget (000's)
2020	206.3	30%	69.4	121,589	93.0	162,936	163.3	248,055	\$50,427
2021	376.3	30%	106.5	186,588	94.5	165,564	165.0	254,533	\$52,357

\* The 2020 Demand Goal is actually 58.3 MW when calculated per the EE Rule that requires a 30% reduction in the five-year average of annual demand growth (206.3 MW x 30% annual growth in demand reduction) x (1-.05775 line loss). However, under the EE Rule, a utility's demand reduction goal shall not be less than the prior year's goal, thus, the 2020 goal is 69.4. Line loss is the 5-year weighted average of the actual loss factors at the time of Oncor's annual peaks.

\*\* The 2021 Demand Goal is calculated according to 16 TAC §25.181(e)(3)(B) because the four-tenths of 1% trigger described in 16 TAC §25.181(e)(1)(B) was met in 2019. The 2021 Demand Goal is calculated by applying the four-tenths of 1% goal to the summer weather-adjusted five-year average peak demand for eligible residential and commercial customers (25,038 MW x 0.4% x (1 - .05655)).

\*\*\* Calculated using a 20% conservation load factor.

In order to reach the above projected savings, Oncor proposes to continue implementation of the 2019 programs listed above and add the Commercial HVAC Distributor MTP (Pilot) in 2020.

Oncor programs 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. Oncor identifies specific markets

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

for each of its programs, and tailors communications and outreach to the customers and service providers serving the market. 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 Programs.

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.

All Oncor programs are offered on a first-come, first-served basis.

# ENERGY EFFICIENCY PLAN

## I. 2020 Programs

### A. 2020 Program Portfolio

Oncor plans to implement 13 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: 2020 Energy Efficiency Program Portfolio**

<b>Program</b>	<b>Target Market</b>	<b>Application</b>
Commercial SOP	Commercial	Retrofit; New Construction
Hard-to-Reach SOP	Hard-to-Reach Residential	Retrofit
Emergency Load Management SOP	Existing Industrial	Load Management
Commercial Load Management SOP	Large Commercial	Load Management
Small Business Direct Install MTP	Small Commercial	Retrofit
Home Energy Efficiency SOP	Residential	Retrofit
Targeted Weatherization Low-Income SOP	Low-Income Residential	Retrofit
Commercial Solar Photovoltaic Installation SOP	Commercial	Retrofit
Residential Solar Photovoltaic Installation SOP	Residential	Retrofit
Residential Load Management SOP	Residential	Load Management
Retail Platform MTP	Residential; Commercial	Retrofit; New Construction
Retro-commissioning MTP	Commercial	Retrofit
Commercial HVAC Distributor MTP (Pilot)	Commercial	Retrofit; New Construction



The programs listed in Table 2 are described in further detail below. Oncor maintains a website containing links to the program manuals of the SOPs, all of the requirements for project participation, the forms required for project submission, and the current available funding at <https://eeppm.oncor.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.takealloadofftexas.com/> .

## ***B. Existing Programs***

### **Commercial Standard Offer Program (CSOP)**

The Commercial SOP targets commercial customers with new or retrofit projects that either require measurement and verification or use deemed savings. 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, air conditioning, motors, variable frequency drives, ENERGY STAR® roofs and food service equipment, refrigeration measures, window film, cooling, and process upgrades as well as new construction that exceeds existing energy code baselines per the Texas Technical Reference Manual (TTRM). These energy-saving projects must be approved by Oncor prior to project start. Once completed, Oncor verifies the savings and the Energy Efficiency Service Providers receive incentive payments based on the project's actual savings. Also included is the replacement of existing HVAC units using early replacement in master metered multifamily apartment complexes with high efficiency heat pumps. In prior years this program had two components, the Basic component that did not require measurement and verification, and the Custom component that required measurement and verification. These two components will be rolled into one program in 2020 with a budget of \$9,521,571 and targeted impacts of 12,711 kW and 69,142,575 kWh.

### **Home Energy Efficiency Standard Offer Program (HEE SOP)**

The HEE SOP targets residential customers with existing homes. This program is designed to achieve energy and demand savings in the residential market with the installation of a wide range of energy-efficiency measures in homes and multi-family residences. Incentives are paid to Energy Efficiency Service Providers to help offset the cost of these energy efficiency measures. Oncor provides the incentive directly to the Service Provider. Charges to customers vary by Service Provider and no incentives for this program are paid directly to the customer by Oncor. The 2020 budget for this program is \$10,749,330 with targeted impacts of 20,899 kW and 35,709,065 kWh. The most common energy-efficient measures installed in the HEE SOP are attic insulation and caulking/weather-stripping around doors and windows. Energy Efficiency Service Providers must test for air leakage before and after installation when installing caulking/weather-stripping measures. Other eligible energy-efficient measures include replacement of air conditioning units, heat pumps, and installation of ENERGY STAR® windows, refrigerators, dishwashers, and clothes washers, wall insulation, floor insulation, and water heater jackets. Also included is the replacement of existing HVAC units using early replacement in multifamily apartment complexes with high efficiency heat pumps.

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

The HTR SOP targets residences with household incomes at or below 200% of the federal poverty guidelines. This program is designed to achieve energy and demand savings with the installation of a wide range of energy-efficiency measures. Energy Efficiency Service Providers implement energy saving projects in homes located in Oncor's service area. Incentives are paid to these Energy Efficiency Service Providers to help offset the cost of these energy efficiency measures. The most common measures, such as insulation and caulking/weather-stripping are installed at low or no cost to the customer. Energy Efficiency Service Providers must test for air leakage before and after installation when installing caulking/weather-stripping measures. Oncor provides the incentive directly to the Service Provider. Qualifying measures are similar to those described above for the HEE SOP, as well as water-saving devices. Also included is the replacement of existing HVAC units using early replacement in multifamily apartment complexes with high efficiency heat pumps. The same income qualifications (household incomes at or below 200% of current federal poverty level guidelines) apply to this new program option. The 2020 budget for this program is \$6,800,270 with targeted impacts of 12,108 kW and 18,688,666 kWh.

### **Emergency Load Management Standard Offer Program (ELM SOP)**

The ELM SOP targets industrial customers with demands greater than 700 kW. This program is Grandfathered under the provisions of 16 TAC §25.181(t). 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 2020.

### **Commercial Load Management Standard Offer Program (CLM SOP)**

Oncor pays incentives to Energy Efficiency Service Providers and Aggregators who work with local commercial and manufacturing facilities to achieve documented summer, on-peak demand reductions in those facilities. End-use customers may also act as the Energy Efficiency Service Provider. The program is designed to assist businesses reduce their summer on-peak energy demand and help meet the state's energy efficiency goals. The demand reductions must be verified by Oncor in order for the incentives to be paid. This is accomplished by reviewing data recorded by meters and calculating the amount of demand savings achieved through the "curtailment" during the summer on-peak season. The incentive is paid directly to the Service Provider, Aggregator or End-Use Customer. Each project must achieve a total estimated demand savings of at least 100 kW during the summer on-peak demand period. Participating customer facilities must reduce load when called for by Oncor. The 2020 budget for this program is \$2,486,400 with targeted impacts of 60,000 kW and 180,000 kWh.

### **Commercial Solar Photovoltaic Installation Standard Offer Program (CSPV SOP)**

The Commercial Solar Photovoltaic Installation SOP provides incentives for the installation of Solar Photovoltaic systems that reduce customer energy costs, reduce peak demand and save energy in existing commercial customer structures. Incentives are paid to Energy Efficiency Service Providers on the basis of savings calculations per the Texas Technical Reference Manual.

The 2020 budget for the CSPV SOP is \$2,323,820 with targeted impacts of 1,534 kW and 4,979,022 kWh.

### **Residential Solar Photovoltaic Installation Standard Offer Program (RSPV SOP)**

The Residential Solar Photovoltaic Installation SOP provides incentives for the installation of Solar Photovoltaic systems that reduce customer energy costs, reduce peak demand and save energy in existing residential customer structures. Incentives are paid to Energy Efficiency Service Providers on the basis of savings calculations per the Texas Technical Reference Manual. The 2020 budget for the RSPV SOP is \$1,539,920 with targeted impacts of 1,160 kW and 2,875,930 kWh.

### **Small Business Direct Install MTP (SBDI MTP)**

Oncor's Small Business Direct Install MTP is a market transformation program designed to offer contractors and customers education on energy efficiency technologies, equip participating contractors with the tools they need to succeed in installing projects in the small business market, and offer incentives to assist small ( $\leq 200$  kW) and very small ( $\leq 10$  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 2020 budget for the SBDI MTP is \$3,456,430 with targeted impacts of 2,610 kW and 15,711,041 kWh.

### **Targeted Weatherization Low-Income SOP**

For the 2020 Program year Oncor is implementing the Targeted Low-Income Weatherization Program to comply with the Public Utility Regulatory Act (PURA) §39.905(f) which states, "Unless funding is provided under §39.903, each unbundled transmission and distribution utility shall include in its energy efficiency plan a targeted low-income energy efficiency program as described by Section 39.903(f)(2), and the savings achieved by the program shall count toward the transmission and distribution utility's energy efficiency goal. The commission shall determine the appropriate level of funding to be allocated to both targeted and standard offer low-income energy efficiency programs in each unbundled transmission and distribution utility service area. The level of funding for low-income energy efficiency programs shall be provided from money approved by the commission for the transmission and distribution utility's energy efficiency programs. The commission shall ensure that annual expenditures for the targeted low-income energy efficiency programs of each unbundled transmission and distribution utility are not less than 10 percent of the transmission and distribution utility's energy efficiency budget for the year. A targeted low-income energy efficiency program must comply with the same audit requirements that apply to federal weatherization subrecipients." Section 39.903(f)(2) states that targeted energy efficiency programs are to be administered by the Texas Department of Housing and Community Affairs (TDHCA) in coordination with existing weatherization programs.

16 TAC §25.181(p) states, "Each unbundled transmission and distribution utility shall include in its energy efficiency plan a targeted low-income energy efficiency program. 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 ratio (SIR).
- (3) Any funds that are not obligated after July of a program year may be made available for use in the hard-to-reach program."

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

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

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

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

The 2020 budget for this program is \$5,002,080 with targeted impacts of 2,758 kW and 4,076,945 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/weather-stripping 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.....*

In 2012 Oncor implemented the program to provide funds to TDHCA sub-recipient agencies and other not-for-profit or local government agencies, enabling them to provide weatherization services to residential electric distribution end-use consumers of Oncor who had household incomes at or below 200% of the current federal poverty guidelines. Participating agencies provided outreach, eligibility verification, assessments, and either installed or contracted for the installation of cost-effective measures. Agencies received reimbursement for conducting assessments and installing the measures, plus an administrative fee equal to 8 percent of the measure installation costs. The maximum expenditure per home was \$6,500. The \$6,500 per home cap included assessment and/or testing fees from homes that did not qualify for installed measures based on the assessment.

### **Residential Load Management SOP (RLMSOP)**

Oncor's Residential Load management SOP is an expansion of the 2015-2016 pilot, which provided incentives to participating providers for reducing peak electric demand at residential premises. In 2020, the program will engage providers to provide demand response capability using remotely controlled load control devices in homes. The providers will use various control strategies, such as pre-cooling and cycling to reduce overall demand during the peak period. Implementation will occur in the Oncor service territory and target residential homes. The participating providers are responsible for ensuring the presence of load control devices in participating residences. The actual demand savings will be determined by Oncor using advanced meter data. The 2020 Program budget is \$1,243,200, with targeted impacts of 30,000 kW and 90,000 kWh.

### **Retail Platform MTP (RPMTP)**

The Retail Platform MTP provides incentives directly to Residential Customers through in-store point of sale discounts for the purchase of qualifying ENERGY STAR-rated LED lighting products and consumer appliances. The Program is partnership-based and delivers qualified product measures by contracting with major market manufacturers and through cooperation with their retail alliance partners. Slated to continue through 2020, the program has a budget of \$5,176,411 in 2020 with targeted impacts of 19,141 kW and 86,049,726 kWh. Additional retail partners will be added outside of the Metroplex in 2020 to reach more rural customers. Based on the Texas Technical Reference Manual Version 5.0 recommendation, claimed savings will be attributed based on five percent of upstream lighting program benefits and costs allocated to commercial customers with the remaining 95 percent allocated to residential customers. Commercial savings are calculated using the 'office' building type for lighting per Tetra Tech's Guidance Memo dated April 28, 2016.

In November 2018 select ENERGY STAR rated Nest and Ecobee smart thermostats were made available as part of this program, giving customers the ability to monitor and adjust their home's temperature even when away from home. Oncor customers can obtain a coupon to purchase a smart thermostat by visiting [www.smartsavingstx.com](http://www.smartsavingstx.com).

### **Retro-commissioning (Commercial Tune-Up) MTP (RCMTP)**

The RCMTP program is designed to assist building owners with a low cost, low resource commitment opportunity that offers quick energy savings. The program features a pre-defined measure list, fixed project fees, clear reimbursement schedule and short project cycle times. This leads to quick collection of impacts for our utility partners.

It is common for a building's energy management system to be overridden over time, resulting in wasted energy. These customers can benefit from assistance through a controls program that will identify energy waste and improve the management of the building's systems. The program offers a controls tune-up to capture savings in small- to medium-sized commercial buildings and focuses on capturing savings that are available but may be ignored in utility program portfolios because the measures typically have a payback of less than a year. Primary measures include the following:

- Schedule refinement or optimal start/stop
- Zone level airflow control
- Static pressure settings
- Supply temperature settings

The following list describes the target market that would both benefit and yield savings as a participant in the program.

- Participating facilities must have a modern Building Automation System (BAS), Direct Digital Control System (DDC) or Energy Management System (EMS)
- Smaller and medium commercial properties under 200,000 square feet (e.g. office, medical centers, public facilities)
- A facility that has had building or operational changes
- A facility containing multiple HVAC systems
- The facility is not under construction or planning construction in the next few months (participant requirement)

The 2020 budget for the RCMTP is \$572,000 with targeted impacts of 8,000,000 kWh.

### **Research and Development**

During 2020, Oncor will begin developing a new efficient technology incubator. The purpose of the incubator is to identify and test new energy efficient technologies and program ideas for inclusion in the Oncor Energy Efficiency portfolio. Promising technologies may also be submitted to the State for inclusion in the Texas Technical Reference Manual.

Additionally, Oncor will continue its membership in the Texas Energy Poverty Research Institute (TEPRI) for 2020. TEPRI is a 501(c) (3) whose mission is to research the root causes of energy and fuel poverty and provide data for solutions that have an impact on low-income households. In 2020, TEPRI will continue compiling Best Practices of Low-Income Services, Programs, and Technologies. Additionally, TEPRI will update their portal of information on publications, websites, and other resources that are specific to the topic of energy and poverty in Texas and the nation.

Oncor will continue to fund studies to evaluate energy efficiency market attributes, new technologies, and new program ideas. The studies will be conducted by third party consultants and will address Oncor specific portfolio needs, and as well as Texas market issues and opportunities.

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

### ***C. New Programs for 2020***

#### **Commercial HVAC Distributor MTP (Pilot)**

Oncor plans to implement a Commercial HVAC Distributor MTP during 2020 with an implementer determined during the first half of the year. This program will be a market transformation program designed to provide incentives to air conditioning distributors who agree to facilitate the installation of high-efficiency air conditioners and heat pumps in commercial facilities. The 2020 budget for the Commercial HVAC Distributor MTP is \$497,280 with targeted impacts of 417 kW and 2,552,190 kWh.

## **II. Customer Classes**

Customer classes targeted by Oncor's energy efficiency programs are the Hard-to-Reach, Residential, and Commercial customer classes. The annual demand goal will be allocated to customer classes by examining historical program results, evaluating economic trends, and complying with 16 TAC §25.181(e)(3)(F), which states that no less than 5% of the utility's total demand reduction savings goal should be achieved through programs for hard-to-reach customers. Also factored into the allocation is the PURA §39.905 requirement that annual expenditures for the targeted low-income energy efficiency programs are not less than 10 percent of the annual energy efficiency budget for the year. Table 3 summarizes the number of customers in each of the customer classes, which was used to determine budget allocations for those classes. Oncor used year-end 2019 Customer Information System (CC&B) premise-level data to estimate the number of customers in each class. The Hard-to-Reach class was estimated by multiplying the total number of residential customers by 27.7%. According to the U.S. Census Bureau's 2019 Current Population Survey (CPS), 27.7% of Texas families fall below 200% of the poverty threshold (2018 CPS was 27.8%). Applying that percentage to Oncor's residential customer totals, the number of HTR customers is estimated at 866,751 compared to 853,814 in 2018. 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**

<b>Program</b>	<b>Number of Customers</b>
Commercial	488,300*
Residential	2,262,314
Hard-to-Reach	866,751
<b>Total</b>	<b>3,617,365</b>

\* Customer count takes into account 9,760 qualifying for-profit industrial customers who have elected to exclude themselves from participation in Oncor's energy efficiency programs per 16 TAC 25.181(u), as well as lighting premises.

### **III. Projected Energy Efficiency Savings and Goals**

As prescribed by 16 TAC §25.181, Oncor's demand goal is specified as a percent of its historical five-year average rate of growth in demand. As an example, the annual growth in demand defined for the 2020 goal reflects the average annual growth in peak demand for the years 2014 through 2018. The demand goal is based on meeting 30% of the electric utility's annual growth in demand of eligible residential and commercial customers for the 2019 and 2020 program years. Because the four-tenths of 1% trigger described in TAC §25.181(e)(1)(B) was met in 2019, the demand goal for 2021 is calculated according to TAC §25.181(e)(3)(B), applying the four-tenths of 1% goal to the weather-adjusted five-year average peak demand for eligible residential and commercial customers. 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 2020 and 2021. The program-level goals presented in Table 5 are at the meter and take into account transmission and distribution line losses.

**Table 4: Annual Growth in Demand and Energy Consumption \***

Calendar Year	Peak Demand (MW) (at Source) **					Energy Consumption (MWh) (at Meter)				Residential & Commercial	
	Total System		Opt-Out	Residential & Commercial		Total System		Residential & Commercial		Growth (MW)	Avg 5 Yr (MW) Growth
	Actual	Actual Weather Adjusted <sup>2</sup>	Secondary/ Primary, & Transmission Voltage***	Actual	Actual Weather Adjusted <sup>2</sup>	Actual	Actual Weather Adjusted <sup>2</sup>	Actual	Actual Weather Adjusted <sup>2</sup>	Actual Weather Adjusted <sup>2</sup>	Actual Weather Adjusted <sup>2</sup>
<b>2014</b>	24,102	26,033	1,589	22,514	24,444	114,905,829	113,939,185	101,640,875	100,674,230		
<b>2015</b>	25,511	26,158	1,646	23,865	24,513	116,594,625	116,554,605	102,634,272	102,594,252	68.4	
<b>2016</b>	25,766	26,599	1,755	24,010	24,843	115,791,379	117,927,439	100,977,674	103,113,734	330.3	
<b>2017</b>	25,148	26,245	1,879	23,269	24,366	117,017,075	119,776,460	100,971,312	103,730,697	-476.9	
<b>2018</b>	27,471	27,201	2,055	25,415	25,145	130,007,690	128,631,337	111,336,170	109,959,816	779.3	
<b>2019</b>	27,174	28,733	2,408	24,767	26,326	133,357,452	133,307,591	112,552,481	112,502,621	1,180.3	376.3
<b>2020<sup>3</sup></b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>2021<sup>3</sup></b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

\*\* Peak Demand values have been revised to reflect the combined Oncor and former Sharyland MW values for 2014-2017.

\*\*\* Includes the peak demand of qualifying for-profit industrial customers who receive service at primary/secondary voltage and have elected to exclude themselves from participation in Oncor's energy efficiency programs in the following amounts: Year 2014 - 393 MW, Year 2015 - 414 MW, Year 2016 - 429 MW, Year 2017 - 486 MW, Year 2018 - 539 MW, and Year 2019 - 524 MW.

<sup>2</sup> "Actual Weather Adjusted" Peak Demand and "Energy Consumption" are adjusted for weather fluctuations using weather data for the most recent ten years.

<sup>3</sup> "NA" = Not Applicable. Energy efficiency goals are calculated based upon the actual weather-adjusted growth in demand; so peak demand and energy consumption forecasts for 2020 and 2021 are not applicable.

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

Customer Class and Program	2020 Projected Savings		2021 Projected Savings	
	(kW)	(kWh)	(kW)	(kWh)
<b>Commercial</b>	<b>78,229</b>	<b>104,867,314</b>	<b>78,536</b>	<b>110,618,913</b>
Commercial SOP	12,711	69,142,575	12,562	67,009,760
Emergency Load Management SOP	0	0	0	0
Commercial Load Management SOP	60,000	180,000	60,000	180,000
Small Business Direct Install MTP	2,610	15,711,041	2,610	15,698,285
Solar PV SOP	1,534	4,979,022	1,534	4,979,022
Retail Platform MTP	957	4,302,486	891	4,003,671
Retro-commissioning MTP	0	8,000,000	0	13,000,000
Commercial HVAC Distributor MTP (Pilot)	417	2,552,190	939	5,748,175
<b>Residential</b>	<b>70,243</b>	<b>120,422,235</b>	<b>69,709</b>	<b>119,271,763</b>
Home Energy Efficiency SOP	20,899	35,709,065	20,873	35,602,085
Solar PV SOP	1,160	2,875,930	1,015	3,409,927
Residential Load Management SOP	30,000	90,000	30,000	90,000
Retail Platform MTP	18,184	81,747,240	16,921	76,069,751
Residential New Home Construction MTP	NAP	NAP	900	4,100,000
<b>Hard-to-Reach</b>	<b>14,866</b>	<b>22,765,611</b>	<b>16,733</b>	<b>24,642,075</b>
Hard-to-Reach SOP	12,108	18,688,666	14,021	20,631,773
Targeted Weatherization Low-Income SOP	2,758	4,076,945	2,712	4,010,302
<b>Total Annual Savings Goals</b>	<b>163,338</b>	<b>248,055,160</b>	<b>164,978</b>	<b>254,532,751</b>

## IV. Program Budgets

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

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

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

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

<b>2020 Customer Class &amp; Program</b>	<b>Incentives</b>	<b>Administration</b>	<b>Total Budget</b>
<b>Commercial</b>	<b>\$16,836,594</b>	<b>\$2,279,727</b>	<b>\$19,116,321</b>
Commercial SOP	\$8,236,653	\$1,284,918	\$9,521,571
Emergency Load Management SOP	\$0	\$0	\$0
Commercial Load Management SOP	\$2,220,000	\$266,400	\$2,486,400
Solar PV SOP	\$2,038,440	\$285,380	\$2,323,820
Small Business Direct Install MTP	\$3,142,210	\$314,220	\$3,456,430
Retail Platform MTP	\$235,291	\$23,529	\$258,820
Retro-commissioning MTP	\$520,000	\$52,000	\$572,000
Commercial HVAC Distributor MTP (Pilot)	\$444,000	\$53,280	\$497,280
<b>Residential</b>	<b>\$16,232,237</b>	<b>\$2,217,804</b>	<b>\$18,450,041</b>
Home Energy Efficiency SOP	\$9,302,750	\$1,446,580	\$10,749,330
Solar PV SOP	\$1,348,950	\$190,970	\$1,539,920
Residential Load Management SOP	\$1,110,000	\$133,200	\$1,243,200
Retail Platform MTP	\$4,470,537	\$447,054	\$4,917,591
<b>Hard-to-Reach</b>	<b>\$10,399,620</b>	<b>\$1,402,730</b>	<b>\$11,802,350</b>
Hard-to-Reach SOP	\$5,965,150	\$835,120	\$6,800,270
Targeted Weatherization Low-Income SOP	\$4,434,470	\$567,610	\$5,002,080
<b>Research &amp; Development*</b>	<b>\$0</b>	<b>\$310,000</b>	<b>\$310,000</b>
<b>Evaluation, Measurement &amp; Verification**</b>	<b>\$0</b>	<b>\$748,525</b>	<b>\$748,525</b>
<b>Total Budgets by Category</b>	<b>\$43,468,451</b>	<b>\$6,958,786</b>	<b>\$50,427,237</b>

<b>2021 Customer Class and Program</b>	<b>Incentives</b>	<b>Administration</b>	<b>Total Budget</b>
<b>Commercial</b>	<b>\$17,203,664</b>	<b>\$2,275,432</b>	<b>\$19,479,096</b>
Commercial SOP	\$7,353,614	\$1,051,567	\$8,405,181
Emergency Load Management SOP	\$0	\$0	\$0
Commercial Load Management SOP	\$2,100,000	\$294,000	\$2,394,000
Solar PV SOP	\$2,038,440	\$285,380	\$2,323,820
Small Business Direct Install MTP	\$3,139,660	\$313,970	\$3,453,630
Retail Platform MTP	\$218,950	\$21,895	\$240,845
Retro-commissioning MTP	\$1,040,000	\$124,800	\$1,164,800
Commercial HVAC Distributor MTP	\$1,313,000	\$183,820	\$1,496,820
<b>Residential</b>	<b>\$17,102,190</b>	<b>\$2,134,885</b>	<b>\$19,237,075</b>
Home Energy Efficiency SOP	\$9,113,190	\$1,321,410	\$10,434,600
Solar PV SOP	\$1,348,950	\$190,970	\$1,539,920
Residential Load Management SOP	\$1,050,000	\$136,500	\$1,186,500
Retail Platform MTP	\$4,160,050	\$416,005	\$4,576,055
Residential New Home Construction MTP	\$1,430,000	\$70,000	\$1,500,000
<b>Hard-to-Reach</b>	<b>\$11,252,560</b>	<b>\$1,501,790</b>	<b>\$12,754,350</b>
Hard-to-Reach SOP	\$6,628,480	\$925,870	\$7,554,350
Targeted Weatherization Low-Income SOP	\$4,624,080	\$575,920	\$5,200,000
<b>Research &amp; Development*</b>	<b>\$0</b>	<b>\$150,000</b>	<b>\$150,000</b>
<b>Evaluation, Measurement &amp; Verification**</b>	<b>\$0</b>	<b>\$735,989</b>	<b>\$735,989</b>
<b>Total Budgets by Category</b>	<b>\$45,558,414</b>	<b>\$6,798,096</b>	<b>\$52,356,510</b>

\* 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 2020 are projected expenditures Oncor will incur in 2020 for completing review of Program Year 2019. EM&V costs shown for 2021 are actual expenses incurred in 2019 for review of the 2018 program and are an estimate of costs for the 2021 program year review. The actual 2021 program year expenses may differ from those incurred in 2019 for the review of the 2018 program year expenses.

## ENERGY EFFICIENCY REPORT

### 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 (2015-2019) calculated in accordance with 16 TAC §25.181.

**Table 7: Historical Demand Savings Goals and Energy Targets**

Calendar Year	Actual Demand Goal (MW at Meter)*	Projected Savings (MW at Meter)	Projected Energy Savings (MWh at Meter)	Reported & Verified Savings (MW at Meter)*	Reported & Verified Energy Savings (MWh at Meter)
<b>2019</b> <sup>4</sup>	69.4	161.4	218,630	167.4	243,152
<b>2018</b> <sup>5</sup>	69.4	155.3	206,072	172.4	218,304
<b>2017</b> <sup>6</sup>	69.4	145.8	208,513	155.2	170,124
<b>2016</b> <sup>7</sup>	69.4	138.1	225,783	128.8	198,743
<b>2015</b> <sup>8</sup>	69.4	110.3	197,436	115.8	178,908

\* The 2019 MW savings at the Source is 178.0 (167.4 MW / (1 - .05932 line loss)). The 2019 demand goal MW at the source is 73.8 (69.4 MW / (1 - .05932 line loss)). The line loss was reported in Oncor's 2019 EECRF (Docket No. 48421 – WP/JMS/4).

<sup>4</sup> Projected MW Savings and Projected Energy Savings as reported in the 2019 Energy Efficiency Plan & Report (EEPR) filed in April of 2019 (and amended on May 24, 2019) under Project No. 49297. Actual Demand Goal as discussed in Tables 1 & 4.

<sup>5</sup> Projected MW Savings and Projected Energy Savings as reported in the 2018 Energy Efficiency Plan & Report (EEPR) filed in March of 2018 under Project No. 48146. Actual Demand Goal as discussed in Tables 1 & 4.

<sup>6</sup> Projected MW Savings and Projected Energy Savings as reported in the 2017 Energy Efficiency Plan & Report (EEPR) filed in April of 2017 under Project No. 46907. Actual Demand Goal as discussed in Tables 1 & 4.

<sup>7</sup> Projected MW Savings and Projected Energy Savings as reported in the 2016 Energy Efficiency Plan & Report (EEPR) filed in April of 2016 under Project No. 45675. Actual Demand Goal as discussed in Tables 1 & 4.

<sup>8</sup> Projected MW Savings and Projected Energy Savings as reported in the 2015 Energy Efficiency Plan & Report (EEPR) filed in April of 2015 under Project No. 44480. Actual Demand Goal as discussed in Tables 1 & 4.

## VI. Projected, Reported and Verified Demand and Energy Savings

**Table 8: Projected versus Reported and Verified Savings for 2019 and 2018<sup>9</sup> (at Meter)**

<b>2019</b>	<b>Projected Savings</b>		<b>Reported and Verified Savings</b>	
<b>Customer Class and Program</b>	<b>kW</b>	<b>kWh</b>	<b>kW</b>	<b>kWh</b>
<b>Commercial</b>	<b>78,391</b>	<b>100,221,654</b>	<b>88,349</b>	<b>134,520,038</b>
Commercial SOP (Custom)	3,465	20,338,921	572	2,765,155
Commercial SOP (Basic)	10,557	55,520,837	18,669	93,296,463
Emergency Load Management SOP	-	-	0	0
Commercial Load Management SOP	60,000	180,000	60,000	180,000
Solar PV SOP	1,534	4,979,022	2,141	6,724,377
Small Business Direct Install MTP	2,179	13,365,283	1,892	9,150,313
Retail Platform MTP	656	2,837,591	5,075	20,616,328
Retro-commissioning MTP	0	3,000,000	0	1,787,403
<b>Residential</b>	<b>68,172</b>	<b>95,646,197</b>	<b>61,679</b>	<b>80,961,820</b>
Home Energy Efficiency SOP	21,310	36,706,893	18,860	35,959,167
Solar PV SOP	1,492	4,827,683	1,506	4,901,773
Residential Load Management SOP	32,900	197,400	29,426	88,294
Retail Platform MTP	12,470	53,914,221	11,887	40,012,586
<b>Hard-to-Reach</b>	<b>14,855</b>	<b>22,762,014</b>	<b>17,422</b>	<b>27,669,999</b>
Hard-to-Reach SOP	12,105	18,686,710	13,173	19,638,109
Targeted Weatherization LI SOP	2,750	4,075,304	4,249	8,031,890
<b>Total Annual Savings Goals</b>	<b>161,418</b>	<b>218,629,865</b>	<b>167,450</b>	<b>243,151,857</b>
<b>2018<sup>10</sup></b>	<b>Projected Savings</b>		<b>Reported and Verified Savings</b>	
<b>Customer Class and Program</b>	<b>kW</b>	<b>kWh</b>	<b>kW</b>	<b>kWh</b>
<b>Commercial</b>	<b>82,888</b>	<b>121,300,632</b>	<b>90,372</b>	<b>119,718,732</b>
Commercial SOP (Custom)	4,074	27,547,542	1,428	12,588,022
Commercial SOP (Basic)	13,477	67,549,695	13,766	73,230,061
Emergency Load Management SOP	0	0	0	0
Commercial Load Management SOP	60,000	180,000	67,658	202,974
Solar PV SOP	2,840	11,632,080	2,512	8,212,970
Small Business Direct Install MTP	2,294	13,367,902	2,567	14,143,908
Retail Platform MTP	203	1,023,413	2,440	11,340,797
<b>Residential</b>	<b>63,117</b>	<b>63,416,134</b>	<b>67,874</b>	<b>77,468,606</b>
Home Energy Efficiency SOP	25,257	39,127,496	24,388	40,914,271
Solar PV SOP	1,096	4,646,400	1,113	3,730,231
Residential Demand Response SOP	32,900	197,400	34,756	104,271
Retail Platform MTP	3,864	19,444,838	7,618	32,719,833

<sup>9</sup> Projected Savings totals for 2019 and 2018 from Table 7. Reported Savings may not add due to rounding.

<sup>10</sup> Reported and Verified Savings data for 2018 taken from EEPR, Project 49297.

<b>Hard-to-Reach</b>	<b>9,293</b>	<b>21,354,929</b>	<b>14,163</b>	<b>21,116,762</b>
Hard-to-Reach SOP	7,850	18,815,742	11,256	15,825,595
Targeted Weatherization LI SOP	1,443	2,539,187	2,908	5,291,167
<b>Total Annual Savings Goals</b>	<b>155,298</b>	<b>206,071,695</b>	<b>172,409</b>	<b>218,304,100</b>



## VII. Historical Program Expenditures

This section documents Oncor's incentive and administration expenditures for the previous five years (2015-2019) broken out by program for each customer class.

**Table 9: Historical Program Incentive and Administrative Expenditures for 2015 through 2019**

	2019		2018		2017		2016		2015	
	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)	Incentive (\$)	Admin (\$)
<b>Commercial</b>	<b>17,737,374</b>	<b>2,618,203</b>	<b>18,551,494</b>	<b>2,810,365</b>	<b>16,421,430</b>	<b>2,258,138</b>	<b>17,200,144</b>	<b>2,172,123</b>	<b>16,348,143</b>	<b>2,405,110</b>
Solar PV SOP	2,751,931	348,614	3,199,284	404,539	2,016,566	296,888	6,027,919	497,068	4,815,294	489,580
Commercial SOP (Custom)	304,852	78,986	1,220,715	333,133	2,219,776	274,463	1,630,922	264,240	1,457,162	299,232
Emergency Load Management SOP	0	0	0	0	0	0	0	0	0	0
Commercial Load Management SOP	2,280,000	219,548	2,264,382	221,156	2,335,033	206,441	2,400,661	183,537	2,196,080	204,745
Retail Platform MTP	146,966	13,412	87,693	7,681	NA	NA	NA	NA	NA	NA
Small Business Direct Install MTP	1,880,379	179,987	3,407,414	281,331	1,640,121	136,407	544,189	50,966	1,784,748	151,836
Healthcare MTP	NA	NA	NA	NA	363,758	26,348	931,556	74,226	NA	NA
Retro-commissioning MTP	153,864	38,835	NA	NA	NA	NA	NA	NA	NA	NA
Commercial SOP (Basic)	10,219,382	1,738,821	8,372,006	1,562,525	7,846,176	1,317,591	5,664,897	1,102,086	6,094,859	1,259,717
<b>Residential</b>	<b>14,408,317</b>	<b>1,719,366</b>	<b>14,255,973</b>	<b>1,819,899</b>	<b>15,618,050</b>	<b>1,900,301</b>	<b>19,377,105</b>	<b>2,040,667</b>	<b>13,659,678</b>	<b>1,911,756</b>
Home Energy Efficiency SOP	8,436,929	1,044,545	9,786,238	1,270,240	12,111,569	1,451,784	14,435,266	1,521,569	10,005,295	1,435,699
Solar PV SOP	2,007,054	312,976	1,487,569	283,920	2,540,451	359,259	4,757,415	490,263	3,414,383	456,130
Residential Load Management SOP	1,118,156	102,917	1,316,000	119,803	966,030	89,258	184,424	28,835	240,000	19,927
Retail Platform MTP	2,846,178	258,928	1,666,166	145,936	NA	NA	NA	NA	NA	NA
<b>Hard-to-Reach</b>	<b>10,467,278</b>	<b>1,163,385</b>	<b>9,162,979</b>	<b>1,172,244</b>	<b>11,048,655</b>	<b>1,264,640</b>	<b>11,117,443</b>	<b>1,117,681</b>	<b>11,653,832</b>	<b>1,327,473</b>
Hard-to-Reach SOP	6,038,597	753,931	4,685,428	753,177	6,019,635	847,106	5,953,011	750,470	6,004,832	849,060
Targeted Weatherization LI SOP	4,428,681	409,454	4,477,551	419,067	5,029,020	417,534	5,164,432	367,211	5,649,000	478,413
<b>Total Program Expenditures</b>	<b>42,612,969</b>	<b>5,500,954</b>	<b>41,970,446</b>	<b>5,802,508</b>	<b>43,088,135</b>	<b>5,423,079</b>	<b>47,694,692</b>	<b>5,330,471</b>	<b>41,661,653</b>	<b>5,644,339</b>

## VIII. Program Funding for Calendar Year 2019

Oncor exceeded its 2019 mandated demand goal of 69.4 MW by obtaining 167.5 MW in energy efficiency savings. As shown on Table 10, funds were either spent or committed by contracts with energy efficiency service providers in the amount of \$52,527,670.

The **Retro-commissioning MTP** was under budget in 2019 in part because the program kicked off later in the year than anticipated and because some of the projected participants were reluctant to move forward in the program without seeing actual results from similar projects. With 2019 results now available to present to potential participants, the program is expected to show increased spending and savings in 2020.

The **Commercial SOP (Custom)** was under budget in 2019 due in large part to measures that previously required measurement & verification are now allowed to use deemed savings per the Texas Technical Reference Manual. This has redirected several large projects from the Commercial SOP (Custom) to the Commercial SOP (Basic). Incentive funding was reallocated from the Commercial SOP (Custom) to the Commercial SOP (Basic) and Commercial Solar Photovoltaic SOP.

The **Commercial Solar Photovoltaic Installation SOP** was over budget in 2019 because a large number of projects that were on the waitlist were able to be funded when other commercial programs fell short of their budget and their incentives were reallocated to the Commercial Solar Program.

The **Small Business Direct Install MTP** was under budget in 2019 because the program start-up was delayed at the beginning of the year. The program is expected to have improved performance in 2020 as both staffing and measure offerings have been increased.

The **Residential Load Management SOP** was under budget in 2019 primarily due to a software malfunction by one of the larger providers that resulted in a communication failure with 40% of its enrolled thermostats.

**Table 10: Program Funding for Calendar Year 2019**

	Numbers of Customer Meters	Total Projected Budget <sup>11</sup> (\$)	Actual Funds Expended (Incentives) (\$)	Actual Funds Expended (Admin)* (\$)	Total Funds Expended (\$)	Funds Committed (Not Expended) (\$)	Funds Remaining (Not Committed) (\$)
<b>Commercial</b>	<b>1,702</b>	<b>20,813,557</b>	<b>17,737,374</b>	<b>2,618,203</b>	<b>20,355,577</b>	<b>3,526,743</b>	<b>(3,068,763)</b>
Solar PV SOP	54	2,323,820	2,751,931	348,614	3,100,545	0	(776,725)
Commercial SOP (Custom)	329	3,498,797	304,852	78,986	383,838	59,809	3,055,150
Emergency Load Management SOP	0	0	0	0	0	0	0
Commercial Load Management SOP	284	2,576,400	2,280,000	219,548	2,499,548	0	76,852
Retail Platform MTP	NAV	168,726	146,966	13,412	160,378	0	8,348
Small Business Direct Install MTP	174	3,517,740	1,880,379	179,987	2,060,366	0	1,457,374
Retro-commissioning MTP	2	218,400	153,864	38,835	192,699	0	25,701
Commercial SOP (Basic)	859	8,509,674	10,219,382	1,738,821	11,958,203	3,466,934	(6,915,463)
<b>Residential</b>	<b>40,660</b>	<b>16,692,283</b>	<b>14,408,317</b>	<b>1,719,366</b>	<b>16,127,683</b>	<b>0</b>	<b>564,600</b>
Home Energy Efficiency SOP	7,930	9,807,389	8,436,929	1,044,545	9,481,474	0	325,915
Solar PV SOP	335	2,280,370	2,007,054	312,976	2,320,030	0	(39,660)
Residential Load Management SOP	32,395	1,412,730	1,118,156	102,917	1,221,073	0	191,657
Retail Platform MTP	NAV	3,191,794	2,846,178	258,928	3,105,106	0	86,688
<b>Hard-to-Reach</b>	<b>10,137</b>	<b>11,806,570</b>	<b>10,467,278</b>	<b>1,163,385</b>	<b>11,630,663</b>	<b>0</b>	<b>175,907</b>
Hard-to-Reach SOP	8,758	6,800,670	6,038,597	753,931	6,792,528	0	8,142
Targeted Low-Income SOP	1,379	5,005,900	4,428,681	409,454	4,838,135	0	167,765
<b>Research &amp; Development</b>	<b>NA</b>	<b>310,000</b>	<b>0</b>	<b>151,015</b>	<b>151,015</b>	<b>0</b>	<b>158,985</b>
<b>EM&amp;V**</b>	<b>NA</b>	<b>735,989</b>	<b>0</b>	<b>735,989</b>	<b>735,989</b>	<b>0</b>	<b>0</b>
<b>Total</b>	<b>52,499</b>	<b>50,358,399</b>	<b>42,612,969</b>	<b>6,387,958</b>	<b>49,000,927</b>	<b>3,526,743</b>	<b>(2,169,271)</b>

\* Administration funds include \$11,865 of Rate Case Expenses approved in Docket No. 49594.

\*\* EM&V costs shown are actual booked costs for 2019. For purposes of cost-effectiveness and bonus calculations, \$748,525 is used per TetraTech's 2019 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),

<sup>11</sup> Projected Budget taken from the EEPR filed in April 2019 under Project No. 49297

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 2019 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. The existing implementer's contract was renewed in 2019 after a RFP process was completed. The implementer has managed similar programs for utilities across the United States. This program was developed to assist an under-served segment identified by Oncor. The SBDI is a market transformation program designed to offer participating small commercial customers education on energy efficiency technologies, equip participating sub-contractors with the tools they need to succeed in installing projects in the small business market, and offer incentives to assist small ( $\leq 200$  kW) businesses to install energy-efficient products such as high efficiency lighting and refrigeration measures. The program is focused on the non-Metro counties served by Oncor. In 2019 participants installed measures that resulted in savings of 1,892 kW and 9,150,313 kWh.

The Program goals for 2019 were to provide convenient, turn-key select energy efficient measures to small and mid-sized non-residential customers.

### **Retail Platform MTP**

Oncor's Retail Platform MTP was launched during the fourth quarter of 2018. An implementer was awarded the contract in 2018 after a RFP process was completed. The implementer has managed similar programs for utilities across the United States. This program was developed to provide incentives directly to Oncor Residential Customers through in-store point of sale discounts for the purchase of qualifying ENERGY STAR-rated LED lighting products. In November of 2018 a smart thermostat measure was added to the Retail Platform MTP with select Nest and Ecobee smart thermostats available to customers served by Oncor. Much of the Program's success was due to the working relationship developed between the implementer and major market manufactures as well as participating retail partners in the Dallas/Ft. Worth area, such as Home Depot, Lowe's, Walmart and Costco. The Retail Platform MTP contributed savings of 16,962 kW and 60,628,913 kWh in 2019 as twenty-two additional retail stores were added outside of the DFW Metroplex. Claimed savings were attributed based on five percent of upstream lighting program benefits and costs allocated to commercial customers with the remaining 95 percent allocated to residential customers as recommended in the Texas Technical Reference Manual Version 5.0. Commercial savings are calculated using the 'office' building type for lighting per Tetra Tech's Guidance Memo dated April 28, 2016. Smart thermostat costs and benefits are attributed 100% to residential customers.

### **Retro-commissioning MTP**

The Retro-commissioning MTP was launched during the second quarter of 2019. An implementer was awarded the contract in 2018 after a RFP was conducted. The implementer has managed similar programs for utilities across the United States. The program was developed to provide incentives to Oncor Commercial Customers through reimbursement of costs incurred by the customer for controls measures identified by the implementer. The Retro-commissioning MTP contributed savings of 1,787,403 kWh in 2019.

## **Research and Development**

During 2019, Oncor collaborated with the U.S. General Services Administration Proving Ground (GSA). Annually, the GSA issues a Request for Information from vendors to submit new energy efficient technologies into the program for evaluation. The GSA, Oncor, and national laboratories review submittals and select several for installation on Federal facilities. Technologies are evaluated for equipment performance, as well as energy and demand savings for up to one year. The collaboration also allows utilities to recommend technologies for inclusion in the program. The technologies may be installed and evaluated on Federal facilities within ERCOT, or other areas with similar weather zones. In 2018 and 2019, Oncor partially funded the installation and testing of advanced lighting controls in the A. Maceo Smith Federal Building in Dallas. The project was completed in early 2019 and a final evaluation was completed.

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

Other organizations providing research services and data to Oncor included ESource and the Peak Load Management Alliance.

## **X. Current Energy Efficiency Cost Recovery Factor (EECRF)**

Oncor billed \$57,621,277 during 2019 through the EECRF approved in Docket No. 48421.

### **Revenue Billed**

\$57,621,277

### **Over- or Under-Recovery**

\$1,756,778 (Over) - This amount will be trued-up by rate class in Oncor's EECRF filing in 2020.

### **EECRF Filed in 2019 in Docket No. 49594**

Oncor's most recent EECRF filing was in Docket No. 49594 for the 2020 program year. The revenues to be collected as a result of the final Order in that docket will be determined at a later date after the completion of the 2020 program year and does not involve any revenues from base rates.

## ACRONYMS

<b>DR</b>	Demand Response
<b>DSM</b>	Demand Side Management
<b>EEP</b>	Energy Efficiency Plan, which was filed as a separate document prior to April 2008
<b>EEPR</b>	Energy Efficiency Plan and Report
<b>EER</b>	Energy Efficiency Report, which was filed as a separate document prior to April 2008
<b>EE Rule</b>	Energy Efficiency Rule, PUCT 16 TAC §25.181 and §25.183
<b>ERCOT</b>	Electric Reliability Council of Texas
<b>HTR</b>	Hard-To-Reach
<b>M&amp;V</b>	Measurement and Verification
<b>MTP</b>	Market Transformation Program
<b>PUCT</b>	Public Utility Commission of Texas
<b>REP</b>	Retail Electrical Provider
<b>RES</b>	Residential
<b>SOP</b>	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 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 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 Commission rules, each 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 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 16 TAC §25.182, ensuring timely and reasonable cost recovery for utility expenditures made to satisfy the goal of PURA §39.905 that provide for a portfolio of cost-effective energy efficiency programs under this section.

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

**Peak demand** -- Electrical demand at the times of highest annual demand on the utility's system at the source. 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 six to ten a.m. and six to ten 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: 2019 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) & Retro- commissioning MTP	Residential Load Management SOP	Commercial Load Mgmt. SOP	Home Energy Efficiency SOP	Commercial SOP (Basic)	Commercial Solar PV SOP	Residential Solar PV SOP	Targeted Low Income SOP	Retail Platform MTP
ANDERSON	kW 178.6 kWh 361,138.4	kW 4.4 kWh 17,211.7	kW kWh	kW 478.8 kWh 1,436.8	kW 66.3 kWh 199.0	kW 1.4 kWh 3,436.8	kW 2.6 kWh 26,738.5	kW kWh	kW 13.1 kWh 32,584.3	kW kWh	kW kWh
ANDREWS	kW kWh	kW kWh	kW kWh	kW 9.6 kWh 28.8	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW 9.8 kWh 13,108.9	kW kWh
ANGELINA	kW kWh	kW 77.5 kWh 414,305.0	kW kWh	kW 168.2 kWh 504.4	kW 133.0 kWh 399.1	kW 78.1 kWh 158,988.3	kW 14.4 kWh 15,012.4	kW kWh	kW 4.6 kWh 14,254.2	kW 45.8 kWh 84,321.4	kW 0.0 kWh 2,512.0
ARCHER	kW kWh	kW kWh	kW kWh	kW 266.2 kWh 797.8	kW kWh	kW 12.8 kWh 24,000.9	kW kWh	kW 4.4 kWh 16,253.6	kW kWh	kW 0.7 kWh 872.5	kW kWh
BASTROP	kW kWh	kW kWh	kW kWh	kW 146.1 kWh 438.8	kW 236.4 kWh 709.3	kW 2.5 kWh 6,858.6	kW 220.7 kWh 890,503.7	kW 83.9 kWh 285,536.1	kW 6.5 kWh 26,744.8	kW 4.9 kWh 5,588.9	kW 0.0 kWh 1,256.0
BAYLOR	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
BELL	kW 284.7 kWh 520,632.0	kW 26.1 kWh 101,671.1	kW kWh	kW 303.1 kWh 908.6	kW 1,421.6 kWh 4,265.1	kW 269.1 kWh 527,194.2	kW 414.7 kWh 1,794,698.2	kW kWh	kW 126.6 kWh 441,626.9	kW 102.8 kWh 185,295.5	kW 264.5 kWh 1,190,543.3
BROWN	kW 170.2 kWh 359,560.7	kW 48.0 kWh 284,125.1	kW kWh	kW 309.1 kWh 928.5	kW kWh	kW kWh	kW 22.9 kWh 122,228.7	kW kWh	kW kWh	kW 4.9 kWh 9,046.7	kW kWh
CHEROKEE	kW 30.7 kWh 60,178.4	kW 202.8 kWh 866,087.5	kW kWh	kW 403.9 kWh 1,212.5	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
CLAY	kW kWh	kW kWh	kW kWh	kW 308.3 kWh 924.4	kW kWh	kW 1.4 kWh 2,229.4	kW kWh	kW kWh	kW 10.9 kWh 35,661.2	kW kWh	kW kWh
COLEMAN	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
COLLIN	kW 249.6 kWh 277,380.6	kW kWh	kW 64.2 kWh 98,002.4	kW 371.4 kWh 1,114.1	kW 9,840.6 kWh 29,521.5	kW 3,697.5 kWh 7,141,255.3	kW 1,115.7 kWh 6,082,343.3	kW 83.8 kWh 250,713.3	kW 265.9 kWh 850,980.1	kW 661.1 kWh 1,201,574.7	kW 3,823.9 kWh 13,353,554.6
COMANCHE	kW kWh	kW kWh	kW kWh	kW 125.8 kWh 378.6	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW 50.6 kWh 88,804.2	kW kWh
CONCHO	kW kWh	kW kWh	kW kWh	kW 144.9 kWh 435.7	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
COOKE	kW kWh	kW 11.0 kWh 66,550.1	kW 2.4 kWh 8,073.1	kW 399.6 kWh 1,197.8	kW 64.5 kWh 193.6	kW 4.6 kWh 8,202.3	kW 73.7 kWh 298,789.5	kW kWh	kW kWh	kW 2.3 kWh 2,660.3	kW 0.0 kWh 1,256.0
CORYELL	kW 18.3 kWh 33,398.3	kW 6.5 kWh 27,300.3	kW kWh	kW 194.0 kWh 582.2	kW kWh	kW 9.1 kWh 16,389.8	kW kWh	kW kWh	kW 8.7 kWh 30,431.8	kW 13.5 kWh 25,793.5	kW kWh

CRANE	kW kWh	kW kWh	kW kWh	kW kWh	164 4 492 5	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
DALLAS	kW 7 430 9 kWh 9,945,906 9	kW 3 9 kWh 24 119 1	kW 360 9 kWh 3,693,715 2	kW 197 2 kWh 5917	kW 20,896 5 kWh 62,689 0	kW 4 337 5 kWh 7,890,469 6	kW 9,874 8 kWh 46,570,862 7	kW 592 7 kWh 1,852,292 6	kW 250 0 kWh 778 598 4	kW 1,626 5 kWh 3 077,351 3	kW 5 270 3 kWh 18,782,800 6	
DAWSON	kW kWh	kW kWh	kW kWh	kW 557 7 kWh 1,672 0	kW kWh	kW kWh	kW 22 5 kWh 122,483 0	kW kWh	kW kWh	kW 19 kWh 2,405 3	kW kWh	
DELTA	kW 4 4 kWh 6 649 9	kW kWh	kW kWh	kW 878 3 kWh 2,636 5	kW kWh	kW 13 kWh 3,244 9	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	
DENTON	kW 142 3 kWh 257,396 0	kW kWh	kW 111 kWh 75,575 6	kW 415 5 kWh 1,246 5	kW 1,013,4 kWh 3 040 3	kW 458 7 kWh 901,147 9	kW 302 3 kWh 1,384,551 2	kW kWh	kW 53 5 kWh 165,060 1	kW 0 0 kWh 410	kW 366 3 kWh 658,651 6	
EASTLAND	kW kWh	kW kWh	kW kWh	kW 325 8 kWh 976 7	kW kWh	kW 39 8 kWh 81,216 9	kW 50 1 kWh 322,362 0	kW kWh	kW kWh	kW kWh	kW kWh	
ECTOR	kW kWh	kW 250 2 kWh 1,293,978 4	kW kWh	kW 168 1 kWh 505 1	kW 90 0 kWh 269 8	kW 57 0 kWh 106,495 0	kW 149 3 kWh 800,208 6	kW kWh	kW 18 kWh 6,728 0	kW 9 0 kWh 11,965 2	kW 181 2 kWh 783,157 9	
ELLIS	kW 0 9 kWh 1,096 6	kW 64 7 kWh 262,253 2	kW 15 6 kWh 68,090 4	kW 191 3 kWh 574 3	kW 162 2 kWh 486 6	kW 130 7 kWh 285,980 4	kW 381 2 kWh 2,066,349 8	kW 76 9 kWh 280 367 1	kW 29 0 kWh 99,645 0	kW 13 0 kWh 24,950 3	kW 0 0 kWh 17,584 0	
ERATH	kW kWh	kW kWh	kW kWh	kW 1921 4 kWh 5,764 2	kW kWh	kW 12 9 kWh 25,084 8	kW kWh	kW kWh	kW kWh	kW 4 7 kWh 9,177 1	kW kWh	
FALLS	kW kWh	kW kWh	kW kWh	kW 282 0 kWh 846 2	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW 11 0 kWh 19,510 8	kW 0 0 kWh 1,256 0	
FANNIN	kW 35 4 kWh 52,391 4	kW kWh	kW kWh	kW 379 8 kWh 1,140 2	kW kWh	kW 12 0 kWh 24,985 9	kW kWh	kW kWh	kW kWh	kW 4 5 kWh 4,807 1	kW kWh	
FREESTONE	kW kWh	kW kWh	kW kWh	kW 226 9 kWh 681 5	kW kWh	kW 34 9 kWh 64,199 1	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	
GLASSCOCK	kW kWh	kW kWh	kW kWh	kW 42 9 kWh 128 8	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW 13 kWh 1,273 1	kW kWh	
GRAYSON	kW 138 7 kWh 217 150 2	kW 104 8 kWh 417 577 7	kW 4 1 kWh 16,579 8	kW 258 3 kWh 775 5	kW 976 8 kWh 2,930 1	kW 16 5 kWh 34 342 6	kW 14 6 kWh 57,936 7	kW 2 7 kWh 10,572 7	kW 20 2 kWh 69,052 4	kW 66 8 kWh 104,333 5	kW 0 0 kWh 2 512 0	
HENDERSON	kW 583 1 kWh 1,198,893 9	kW 129 2 kWh 624,245 2	kW kWh	kW 299 3 kWh 898 8	kW 324,8 kWh 974 6	kW 77 8 kWh 159,701 8	kW 9 9 kWh 4,967 4	kW kWh	kW 11 4 kWh 36 784 7	kW 8 4 kWh 15,318 5	kW 0 0 kWh 1,256 0	
HILDAGO	kW kWh	kW kWh	kW kWh	kW 12 7 kWh 38 0	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	
HILL	kW kWh	kW 0 6 kWh 2,601 5	kW 0 3 kWh 1,048 2	kW 131 0 kWh 393 8	kW kWh	kW kWh	kW 11 3 kWh 63,504 4	kW kWh	kW kWh	kW 112 9 kWh 209,576 8	kW kWh	
HOOD	kW 0 5 kWh 850 3	kW 57 0 kWh 376,016 5	kW 2 8 kWh 9,960 4	kW 1278 6 kWh 3,837 3	kW kWh	kW 87 3 kWh 192,444 9	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	
HOPKINS	kW 203 5 kWh 291,033 1	kW kWh	kW kWh	kW 510 0 kWh 1,529 3	kW kWh	kW kWh	kW kWh	kW 202 4 kWh 578 183 2	kW 6 8 kWh 21,187 2	kW 22 0 kWh 35 780 1	kW kWh	

HOUSTON	kW kWh	73.6 149,955.6	kW kWh		kW kWh	177.4 532.2	kW kWh	1,079.6 3,238.8	kW kWh	13.1 27,909.9	kW kWh		kW kWh		kW kWh	6.4 11,548.8	kW kWh					
HOWARD	kW kWh	87.5 143,008.3	kW kWh		kW kWh	72.2 215.9	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	8.5 11,190.1	kW kWh	13.7 62,920.5				
HUNT	kW kWh	64.1 78,325.1	kW kWh	0.9 5,936.6	kW kWh	474.6 1,423.0	kW kWh		kW kWh	13.2 26,041.8	kW kWh	34.1 147,455.3	kW kWh	78.8 215,902.2	kW kWh	15.1 33,061.7	kW kWh	9.2 14,348.5				
JACK	kW kWh		kW kWh		kW kWh	545.1 1,634.3	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh					
JOHNSON	kW kWh	10.8 19,807.2	kW kWh	115.2 469,815.8	kW kWh	12.9 45,405.1	kW kWh	465.2 1,396.0	kW kWh	1,058.4 3,175.1	kW kWh	112.5 224,858.3	kW kWh	182.3 454,824.2	kW kWh	23.3 90,030.4	kW kWh	9.8 14,987.6	kW kWh	4.6 7,950.4	kW kWh	0.0 1,256.0
KAUFMAN	kW kWh	3.5 4,281.7	kW kWh	22.6 104,254.2	kW kWh	4.6 15,447.5	kW kWh	898.1 2,695.0	kW kWh	869.1 2,607.0	kW kWh	152.1 320,085.9	kW kWh	32.2 184,124.3	kW kWh	82.3 283,678.7	kW kWh	5.8 15,807.6	kW kWh	9.5 17,944.0	kW kWh	0.0 1,256.0
LAMAR	kW kWh	0.7 749.8	kW kWh	7.6 33,642.6	kW kWh		kW kWh	1,748.5 5,245.6	kW kWh	57.6 172.8	kW kWh	5.9 11,084.7	kW kWh	23.2 112,093.2	kW kWh		kW kWh	116 38,707.8	kW kWh	3.5 4,056.2	kW kWh	
LAMPASSAS	kW kWh		kW kWh		kW kWh		kW kWh	350.0 1,049.5	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
LEON	kW kWh		kW kWh		kW kWh	7.6 22.9	kW kWh		kW kWh	0.5 744.0	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
LIMESTONE	kW kWh		kW kWh		kW kWh	1,322.9 3,969.5	kW kWh		kW kWh	24.2 47,256.4	kW kWh	28.9 144,466.8	kW kWh	47.5 136,428.2	kW kWh		kW kWh	3.4 6,637.5	kW kWh		kW kWh	0.0 1,256.0
LOVING	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
LYNN	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
MARTIN	kW kWh		kW kWh	3.0 11,098.2	kW kWh		kW kWh	97.7 293.4	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
MCCULLOCH	kW kWh		kW kWh		kW kWh		kW kWh	19.9 59.6	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
MCCLENNAN	kW kWh	61.2 112,717.7	kW kWh	11.3 44,848.2	kW kWh		kW kWh	527.0 1,580.4	kW kWh	4,521.6 13,565.1	kW kWh	495.6 1,000,652.8	kW kWh	192.1 1,167,778.6	kW kWh	10 4,903.5	kW kWh	23.8 75,584.7	kW kWh	66.9 117,133.0	kW kWh	218.7 902,314.1
MENARD	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
MIDLAND	kW kWh		kW kWh	2.4 7,656.9	kW kWh		kW kWh	97.1 291.7	kW kWh	184.3 552.7	kW kWh	144.9 274,778.4	kW kWh	114.9 494,800.9	kW kWh		kW kWh	7.5 23,711.6	kW kWh	6.6 9,242.5	kW kWh	146.9 667,108.7
MILAM	kW kWh		kW kWh		kW kWh		kW kWh	437.5 1,312.5	kW kWh		kW kWh	12 3,088.2	kW kWh	46.0 226,518.2	kW kWh		kW kWh		kW kWh	0.4 615.2	kW kWh	
MITCHELL	kW kWh		kW kWh		kW kWh		kW kWh	155.4 495.9	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	3.5 5,186.1	kW kWh	
MONTAGUE	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	

NACOGDOCHES	kW kWh	23.5 97,469.3	kW kWh	120.12 3,605.8	kW kWh	46.5 90,960.1	kW kWh	6.6 18,302.6	kW kWh	91.8 257,755.6	kW kWh	121.4 234,689.3	kW kWh	0.0 1256.0
NAVARRO	kW kWh	172.1 205,819.1	kW kWh	67.7 351,521.5	kW kWh	7.8 29,217.9	kW kWh	384.6 1,154.5	kW kWh	1,570.3 4,711.1	kW kWh	5.6 10,403.8	kW kWh	273.5 2,049,327.8
NOLAN	kW kWh		kW kWh		kW kWh	451.9 1,355.5	kW kWh		kW kWh	111.0 541,845.9	kW kWh		kW kWh	0.1 194.4
PALO PINTO	kW kWh	9.7 57,020.8	kW kWh	2.8 9,657.3	kW kWh	152.8 458.7	kW kWh	63.9 191.8	kW kWh	1.9 5,814.6	kW kWh		kW kWh	
PARKER	kW kWh		kW kWh	5.7 22,207.8	kW kWh	340.0 1,020.8	kW kWh	4.0 12.0	kW kWh	204.1 414,645.3	kW kWh	5.7 14,711.4	kW kWh	0.0 2,512.0
PECOS	kW kWh		kW kWh		kW kWh	11.8 35.4	kW kWh		kW kWh		kW kWh		kW kWh	
REAGAN	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
RED RIVER	kW kWh		kW kWh		kW kWh	223.2 669.6	kW kWh		kW kWh		kW kWh		kW kWh	7.0 11,283.9
REEVES	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
ROCKWALL	kW kWh	5.8 6,747.3	kW kWh	2.6 9,420.0	kW kWh	1,364.5 4,095.5	kW kWh	403.8 1,211.1	kW kWh	158.8 336,585.3	kW kWh	211.5 1,262,590.1	kW kWh	12.8 45,660.2
RUSK	kW kWh		kW kWh		kW kWh	351.6 1,055.0	kW kWh	300.1 900.5	kW kWh	0.9 1,488.0	kW kWh		kW kWh	
SAN SABA				kW kWh	43.5 129.9									
SCURRY	kW kWh	83.5 535,880.7	kW kWh		kW kWh	552.5 1,657.1	kW kWh		kW kWh	130.0 214,433.6	kW kWh		kW kWh	1.8 2,090.2
SHACKLEFORD	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
SMITH	kW kWh	110.5 220,747.5	kW kWh	92.6 383,899.4	kW kWh	1,065.6 3,198.3	kW kWh	241.1 723.5	kW kWh	14.7 30,034.1	kW kWh	124.0 1,322,941.8	kW kWh	38.8 104,857.0
STEPHENS	kW kWh		kW kWh		kW kWh	243.8 731.2	kW kWh		kW kWh	0.7 1,116.0	kW kWh		kW kWh	7.1 25,936.4
TARRANT	kW kWh	2,859.1 4,612,332.2	kW kWh	34.6 156,079.0	kW kWh	66.4 419,745.8	kW kWh	943.2 2,831.2	kW kWh	13,934.8 41,804.5	kW kWh	7,582.0 14,383,074.2	kW kWh	3,913.3 21,821,878.6
TERRY	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
TOM GREEN	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
TRAVIS	kW kWh		kW kWh		kW kWh	541.7 1,624.6	kW kWh	72.9 216.7	kW kWh	78.4 163,059.2	kW kWh	273.1 10,711,196.7	kW kWh	36.5 116,910.8

TRINITY	kW kWh	kW kWh	kW kWh	kW kWh	57.8 173.8	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
UPTON	kW kWh	kW kWh	kW kWh	kW kWh		kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh	kW kWh
VANZANDT	kW kWh	260.6 478,242.9	kW kWh	25.0 79,873.6	kW kWh	542.6 1,628.2	kW kWh	11.5 25,523.1	kW kWh	10.8 60,615.5	kW kWh	82.0 273,952.8
WARD	kW kWh		kW kWh	4.9 310.12.9	kW kWh	87.7 262.6	kW kWh		kW kWh		kW kWh	4.8 6,792.5
WICHITA	kW kWh	12.3 21,718.6	kW kWh	329.7 1,637,383.8	kW kWh	225.6 676.4	kW kWh	97.1 291.3	kW kWh	176.2 357,716.3	kW kWh	133.8 736,967.8
WILLIAMSON	kW kWh		kW kWh	17.7 73,159.1	kW kWh	236.6 709.9	kW kWh	192.4 577.3	kW kWh	250.0 495,969.0	kW kWh	64.7 288,752.2
WINKLER	kW kWh		kW kWh		kW kWh	104.9 314.8	kW kWh		kW kWh		kW kWh	
WISE	kW kWh		kW kWh	23.8 139,814.6	kW kWh	8.0 29,411.9	kW kWh	880.6 2,642.5	kW kWh	122.9 368.7	kW kWh	20.4 41,781.8
WOOD	kW kWh		kW kWh		kW kWh		kW kWh		kW kWh		kW kWh	
YOUNG	kW kWh		kW kWh	29.4 151,900.4	kW kWh	142.1 426.3	kW kWh	2.1 6,626.8	kW kWh		kW kWh	4.7 15,071.2
Total Sum of kW		13,173	1,892	572	29,426	60,000	18,860	18,669	2,141	1,506	4,249	16,962
Total Sum of kWh		19,638,109	9,150,313	4,552,558	88,294	180,000	35,959,167	93,296,463	6,724,377	4,901,773	8,031,890	60,628,913



## **APPENDIX B: PROGRAM TEMPLATES**

Oncor has no new Program Templates for 2020.

## **APPENDIX C: LIST OF 2019 ENERGY EFFICIENCY SERVICE PROVIDERS**

**Commercial SOP (Custom)**

Lamar Advantage Holding Company  
Ex3 Facility Solutions, LLC  
Facility Solutions Group  
Superior Solutions Group  
Trane  
US Energy Management

**Retail Platform MTP**

CLEARRESULT Consulting

**Commercial SOP (Basic)**

24 HOUR LTD  
7-Eleven Inc.  
Agape electrical services LLC  
Air Performance Service, Inc.  
Ally Energy Solutions, LLC  
Ameresco Dallas LLC  
Andersen Regional Manufacturing, Inc.  
Angiel Electrical Construction Corporation  
Aquila Environmental LLC  
Archway LED of Houston, Inc.  
Aries Corporation  
ASG Energy, LLC  
Bambu Energy  
Boxer Property Management Corp  
Bridgevue Energy Services, LLC  
BriteSwitch, LLC.  
Cain Electrical Supply  
Carrier Corporation  
City of Killeen  
City Park Construction, LLC  
Cole Air Conditioning Company Inc.  
DFW International Airport  
DFW LED Lights LLC  
E Sam Jones Distributor, Inc.  
Eco Engineering  
Encentiv Energy, Inc.  
EnerChoice, LLC  
Energy Management Collaborative, LLC  
Energy Solutions of Texas  
Engie Services U.S. Inc.  
Enoch Electric LLC  
Entech Sales & Service  
Estes, McClure & Associates, Inc.  
Expert Services, LLC  
Express Light-Tech  
Facility Solutions Group  
Facility Matrix  
General Services Administration  
Graybar Electric Company, Inc.  
Greenleaf Energy Solutions LLC  
Groom Energy Solutions LLC  
Hargis Electric LLC.  
Harvey Reed Enterprises, LLC DBA LED Source  
Heat Transfer Solutions, Inc.  
Home Improvement Systems, Inc.  
Hulen Mall, LLC  
Hurst Electric, LP

JKD Construction Co.Inc. dba Mr E Electric of  
Grand Prairie  
Johnson Controls Inc.  
Just Energy New York Corp.  
Kevco Electrical Construction, Inc.  
Landlord Utility Mgmt LLC dba JEC Energy Savings  
LED of Houston  
Lighting Expertise and Design Services, LLC  
Lime Energy Services Company  
Lochridge-Priest, Inc.  
Lowe's Home centers, Inc.  
LUNA Energy Partners  
Maintenance Resource, Inc.  
McKinstry Essention, LLC  
Monterey Energy, Inc.  
NexRev, Inc.  
Niagara Bottling, LLC  
NORDCO, INC.  
On-Site Lighting & Survey LLC  
Overwraps Packaging, Inc.  
Pacific Energy Concepts LLC  
Plan B Remodeling Systems  
ProSource Power LLC  
Putnam Air & Electric, LLC  
RaceTrac Petroleum, Inc.  
Rebate Bus, LLC  
Redaptive Services, LLC  
Regency Enterprises Inc. dba Regency Lighting  
Rexel Holdings USA Corp  
Richardson ISD  
Shelton Companies Inc.  
SmartWatt Energy Inc.  
Southpoint Solutions, LLC  
Spark Lighting, LLC  
Sports Interiors  
Summit Electric Supply Co., Inc.  
Summit Energy Services, Inc.  
Sundog LED, LLC  
Sydmor, Inc. dba Batteries Plus Bulbs  
Sylvania Lighting Services  
Target Corp  
Texas AirSystems LLC  
Texas Maintenance Solutions  
Texas Turnkey Energy Solutions, LLC.  
Trane  
Trinity Lighting and Electrical Services, LLC  
Tri-State LED  
TTESCO  
TXU Energy Retail Company LLC  
US Energy Recovery  
Vanguard Building Solutions, LLC  
Vivid Energies Corp  
Voss Lighting  
Welsco LLC  
Whatabrands LLC  
WLS Lighting Systems

**Residential Solar PV SOP**

Allegiance Solar, LLC  
Alternativesolar LLC  
Awake Solar, LLC  
Axiom Solar Inc.  
Aztec Renewable Energy, Inc.  
Byrd Electric  
Circle L Solar  
Claud Elsom dba North Texas Solar  
CRsolar Energy Solutions / CR-Invent LLC  
Davis Electric Co.  
DKD Advertising  
Ecoelectrics LLC  
Electric Distribution & Design Systems  
Elevation Solar LLC  
Escape 2 Renewables Inc.  
Fisher Renewables LLC  
Freedom Solar LLC  
Good Faith Energy  
GoSolarGo, Inc.  
Green NRG, Inc.  
Greenbelt Solar LLC  
Greenhouse Solar LLC, DBA Infinity Solar  
GreenLife Technologies, Inc.  
Greenstar Power LLC  
Holtek Enterprises Inc. dba Holtek Solar  
I.E.S. Residential  
Infinity Solar Solutions LLC  
James Showalter  
Kosmos Solar  
Lighthouse Solar Austin  
Longhorn Solar  
Marc Jones Construction LLC  
Native Inc.  
Nia Power LLC  
O3 Home Solar  
Pro Custom Solar LLC  
RISE power, LLC  
Ron Rush Investment DBA Universal Solar System  
S&H Solar & Electric, LLC  
Second Energy LLC  
Silver Electric and Solar  
Solar CenTex LLC  
Solar Club LLC  
Solar SME, Inc.  
Solergy, LLC  
Speir Innovations LLC  
Sun City Solar Energy-North Texas LLC  
Sunfinity Solar-TX, LLC  
Sunshine Renewable Solutions  
Sunzyne LLC  
Texas Energy Experts  
Texas Solar Guys LLC  
Texoma Solar Solutions LLC  
The Energy Shop, Inc.  
Tower Association Crue  
West Texas Solar, LLC  
Wright-Way Solar Technologies, LLC

**Commercial Solar PV SOP**

1 Solar Solution, LLC  
Alba Energy LLC  
Amos Electric Supply, Inc.  
Axiom Solar Inc.  
Byrd electric  
Circle L Solar  
Davis Electric Co.  
Daybreak Solar Power, LLC  
Elliott Electric Supply, Inc.  
Ennis Products, Inc.  
Estes, McClure & Associates, Inc.  
Freedom Solar LLC  
Good Faith Energy  
Greenbelt Solar LLC  
Holtek Enterprises Inc. dba Holtek Solar  
James Showalter  
Kingdom Consulting Services, LLC DBA Elite  
Energy Partner  
Lighthouse Solar Austin  
Longhorn Solar  
McKinstry Essention, LLC  
Native Inc.  
Nia Power LLC  
Renewvia Energy Corporation  
Ron Rush Investment DBA Universal Solar System  
Sunfinity Solar-TX, LLC  
Tower Association Crue  
W Energies Group Solar One, LLC.

**Residential Load Management SOP**

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

**Retro-commissioning MTP**

Michaels Energy, Inc.

**Targeted Low-Income**

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

**Small Business Direct Install**

Lime Energy Services Company

**Hard-to-Reach SOP**

A Better Insulation  
A&E Home Insulation  
A-K Home Energy  
B & B Texas Contractors  
Better Than Lights  
Conergy  
D & R Insulation  
Dallas Insulation LLC  
E2 Conservation  
Ecogreen Energy Solutions  
EnerChoice LLC  
Energy Audits of Texas  
Energy Efficiency Resources  
Garden of Eden  
GNS Energy Efficiency  
GS Conservation LLC  
Home Improvement Systems, Inc.  
Lu and Sons  
NRG Pros  
Plan B Remodeling Systems  
River Builders & Associates, LLC  
San Miguel and Associates, Inc.  
Saving Energreen Houses, LLC

**Home Energy Efficiency SOP**

1st Choice Air Solutions, LLC  
5 Star HVAC Contractors  
A Better Insulation  
A&E HOME INSULATION  
A-Anderson Air, Inc.  
ABC heating & Air Conditioning, Inc.  
ABC Pest Control of Austin Inc. dba ABC Home & Commercial Service  
AC & Heat Solutions LLC  
Adon Complete Property Solutions  
Advent Air Conditioning Inc.  
Aguilar's Heating & Air  
Air Clinic Air Conditioning and Heating Inc.  
Air patrol Air Conditioning  
Airborne Texas Air LLC.  
AirCo Ltd.  
Aire Care Metro Energy Savers, Inc.  
Aire Texas Residential Services Inc.  
Airview A/C & Heating  
All Tech Services, Inc.  
Angel AC & Refrigeration  
Arthur Hagar Corp  
A Star Heat and Air Inc.  
Awesome Air & Heat Service  
Baker Brothers Plumbing & Air  
Batjer Service, LLC.  
Bell County Universal Service  
Berkeys LLC  
Bill Cody and Sons Plumbing Company, LLC  
Bill Joplin's Air Conditioning and Heating  
Blue Star Heating and Air, LLC  
Bock Services LLC  
Bolt Hold Co. II Service Experts

Bon Air Service Co. Inc.  
Bradley Air Conditioning  
Burnside AC Heating and Indoor Air Quality  
C&R Sales and Repairing, Inc.  
CandelTech Inc.  
Chrome Heating & Air Conditioning, LLC  
Cole Air Conditioning Company Inc.  
Compass Air Services, Inc.  
Complete Cool Air  
Cool Tech Mechanical  
Cotes Mechanical  
Coventry & Gattis Air Conditioning, Inc.  
Crawford Services  
D & R Insulation  
D T Air Conditioning & Heating Inc.  
D. Penguin Services, INC  
Dallas Insulation LLC  
Dallas Plumbing Company  
Dallas Unique Indoor Comfort dba On Time Experts  
Danco Comfort Services  
Daniels Air, Inc.  
Dial One Johnson Plumbing, LLC  
Domani Comfort Partners LLC  
EEAccess, LLC  
Ellis Air LLC  
EnerChoice, LLC  
Energy Audits of Texas  
Energy Efficiency Resources  
Enoch Electric LLC  
Evenaire LLC  
Evergreen Heating and Air, Inc.  
Extreme Comfort Air Conditioning & Heating, LLC  
Extreme Mechanical Service Inc.  
Ferguson Veresh Inc.  
Firehouse Heating and Air  
Forney Air LLC  
Freedom Heating & Air LLC.  
Garden of Eden  
Garza & Sotka Enterprises LLC dba Air Masters  
Glenn Aire Company  
GNS Energy Efficiency  
Gorman Mechanical, Inc.  
Green Leaf Corporation  
Green Medal Energy Corp  
Hargrove-Neel, Inc.  
Harris Air Services, LLC  
Hightower Service, Inc.  
Hobbs Heating & Air Inc.  
Hobson Air Conditioning Inc.  
Homeland Energy Resource Center, Inc.  
Honest Air Conditioning LLC  
Houk Air Conditioning Inc.  
HSA, LLC  
Hufsey Mechanical Inc., DBA One Hour A/C and Heating  
Infinity Texas Mechanical Inc.  
Integrity Air Conditioning, LLC

**HEE continued-**

Intelligent Air Services, LLC  
J & J Air Conditioning, Inc.  
J&S Air, Inc.  
JAK Services  
James Lane Air Conditioning Company Inc.  
Johns Heating & Air Conditioning  
Jomira LLC  
K Saunders Company  
KCG Enterprizes, LLC  
Keller Heating and Air Conditioning Services, LLC  
LaRu Energy Solutions dba Air Conditioning Pros  
Lex Services Inc.  
Lu and Sons  
Mascot Mechanical LLC  
Master Tech Service Corp  
Matco of Texas, Inc.  
Mathis Air & Heat LLC  
McDaniel & Son Plumbing, Inc.  
McWilliams & Son, Inc.  
Metro Environmental Services Co., Inc.  
Metro Express Service LLC  
MGR Enterprises  
Michael Watkins DBA Four Seasons Air Systems  
Milestone Electric Inc.  
North Texas Air, LLC.  
Northside A/C GP, LLC  
NRG Pros  
On The Spot HVAC  
Peregrino Enterprises, LLC dba Daffan Mechanical  
Performance Heat and Air Inc.  
Plan B Remodeling Systems  
Plano Maintenance Inc.  
Polansky Sales and Service Inc.  
Putnam Air & Electric, LLC  
Quigley Heating and Air Conditioning of Dallas  
Ratterree Heat & Air  
Reliant Heating & Air Conditioning, Inc.  
Rescue Air, LLC  
Robert Berry  
Rohde A/C & Heating, LLC  
SA&H Western Holdings, LLC  
Samm's Heating and Air Conditioning  
Sarif LLC  
Saving Energreen Houses, LLC  
Serveway Heating and Air Conditioning  
Service Experts Heating & Air Conditioning  
Service Wizard, Inc.  
SOS Mechanical, LLC  
Southern Air Services LLC  
SRM Service LLC  
Stark Dedicated Service, LLC / dba Sunny Service  
State AC, Inc. dba Air Control  
Taylormade Heat and Air  
Tempo Mechanical Services  
Texas Air Doctors  
Texas Airzone LLC.  
The Bosworth Co, Ltd dba The Darville Company  
The Right Choice Heating & Air Inc.

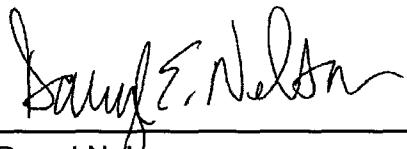
Toler Air Care Today LLC  
Tom's Mechanical, Inc.  
Total Air and Heat Co  
Tri-County Air Care, LLC  
Triple A Air Conditioning  
Tuffy's Air Conditioning & Heating Service Inc.  
TXE Solutions LLC DBA Service City Electric  
Ugotem LLC DBA Texas Ace Heating & Air  
Veterans AC & Heating  
W&B, Inc. dba All Service Heating and Air  
Walker Air Conditioning and Heating, Inc.  
Weston Company A/C & Heat  
Willard Heating and Air Conditioning Company Inc.  
Wortham A/C, Inc.  
Xtreme Air Services

**Commercial Load Management**

Amerex Brokers LLC  
Bridgevue Energy Services, LLC  
Cenveo Corporation  
Christ United Methodist Church  
Dal-Tile Corporation  
Dorskocil Manufacturing Company, Inc.  
Enel X North America Inc.  
Enerwise Global Technologies, Inc. D/B/A CPower  
L5E, LLC  
MJB Wood Group  
MP2 Energy, LLC  
NCH Corporation  
North Texas Municipal Water District  
NRG Curtailment Solutions Inc.  
Target Corp  
Tierpoint Texas LLC  
Verdigris Energy  
Voltus, Inc.

## ATTESTATION STATEMENT

Pursuant to P.U.C. Subst. R. 25.71(d), I attest that the information provided in this Amended 2020 Energy Efficiency Plan and Report has been reviewed internally for accuracy and I have the authority to make this report on behalf of Oncor Electric Delivery.

  
\_\_\_\_\_  
Darryl Nelson

\_\_\_\_\_  
May 18, 2020  
Date