



2018
Residential and Hard-to-Reach
Standard Offer Programs

PROGRAM MANUAL

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1 Program Overview

1.1 Background

Senate Bill 7, enacted in the 1999 Texas legislature, mandated that at least 10% of an investor-owned utility's (IOU) annual growth in electricity demand be met through energy efficiency programs. Due to the success of the programs, goals for energy efficiency were increased through House Bill 3693 during the 2007 legislative session.

Currently, the IOUs are required to achieve peak demand and energy savings by offering energy efficiency programs, including Standard Offer Programs such as the Texas-New Mexico Power Company (TNMP or Utility) Residential and Hard-to-Reach Standard Offer Programs (Res/HTR SOPs or Program).

The Public Utility Commission of Texas (PUCT) has issued a wide range of rules and requirements for the Standard Offer Programs. This manual is a reference for Project Sponsors and identifies and explains the requirements pertaining to the TNMP Res/HTR SOPs.

1.2 Program Description

The Res/HTR SOPs were developed by TNMP to provide incentives to suppliers of energy services. The primary objective of these programs is to achieve cost-effective reduction in summer peak demand, winter peak demand, and annual energy consumption for TNMP's residential and qualifying hard-to-reach customers.

TNMP has designed the Res/HTR SOPs to encourage electric energy efficiency improvements that go above and beyond the efficiency gains typically achieved in replacement-on-burnout projects. Consequently, energy savings for eligible measures will be based on calculations as defined in the Texas Technical Reference Manual (TRM).

This program manual details all aspects of both Programs, including: participation requirements, eligibility, project requirements, incentives, application process, implementation process, performance periods, and other key information.

The Program participation process, in summary, is as follows:

1. **Project Sponsor Enrollment:** Project Sponsors register and enroll to participate in each program via the online program database application, [P3[®]](#).
2. **Project Initiation and Submittal:** Once enrollment is accepted, Project sponsors use P3 to determine customer and project eligibility, confirm budget availability, define and upload project specifications, calculate incentives, and submit eligible projects. Project Sponsors use P3 to submit eligible projects, providing appropriate documentation for each.
3. **Review, Inspection and Payment:** TNMP reviews all submitted projects, selects some for on-site inspections, conducts inspections, and approves payment for completed projects.

For definitions of terms used in this program manual, please refer to Texas Public Utility Commission 16 Texas Administrative Code (TAC) §25.181.

1.3 Program Budgets and Limitations

2018 program incentive budgets and limits are listed in Table 1.

Table 1. Incentive Budgets and Limits

	Residential SOP	HTR SOP
Total program incentive budget	\$1,200,000	\$350,000
Project Sponsor limit (% of incentive budget)	20%	20%
Maximum invoice limit (% of incentive budget)	20%	20%
Solar PV projects (% of incentive budget)	10%	n/a

1.4 Timeline and Key Dates

Key dates for the 2018 Res/HTR SOP programs are listed in Table 2.

Table 2. Key Implementation Dates

Program kickoff webinar	Nov. 16, 2017 at 10am-12pm CST
Project Sponsor enrollment period begins	Nov. 16, 2017 at 1:00pm CST
Project Sponsor enrollment period ends	Dec. 12 2017 at 1:00pm CST
Project Sponsor notification of acceptance	Jan. 8, 2018
Implementation period begins	Jan. 16, 2018
Implementation period ends	Nov. 30, 2018

All installations must be completed and all implementation data reported to TNMP no later than November 30, 2018.

During the implementation period, Project Sponsor will be performing marketing activities, implementation activities, and reporting progress on a regular basis to TNMP. This allows TNMP to monitor each Project Sponsor's progress in a timely manner and allows TNMP the ability to reallocate program funding, if necessary, in order to achieve its overall energy savings goals.

1.5 Program Information and Contacts

All program correspondence, reports, and any other required materials should be uploaded directly to, [P3®](#). Project Sponsors may refer to the program tracking system training video on the website for help with the upload feature.

The Utility website (www.tnmpefficiency.com) provides the key forms and other informational resources and should be checked regularly for any program updates. Questions of general interest may be submitted using the "Contact Us" feature on the website.

Key program contacts are:

TNMP Program Manager
Ashley Mitchell
(214) 222-4186
Ashley.Mitchell@TNMP.com

Frontier Program Administrator
Rob Lovenguth
(512) 372-8778 x109
rlovenguth@frontierassoc.com

1.6 Program Clarifications

This program manual is intended to provide a detailed and consistent reference on Program design and implementation processes to market participants, but does not address every possible situation or complication which may arise during Program implementation. When instances requiring clarification are identified, the Program Manager will attempt to provide guidance consistent with Program intent as well as with other goals and priorities.

The Utility and the Program Administrator reserve the right to change Program guidelines, processes, requirements, budgets, budget allocations and other Program details at any time without prior notice to market participants if it is deemed necessary to achieve program objectives.

*Modifications may include but are not limited to changes in the incentive budget and Project Sponsor limits. TNMP reserves the right to lift or remove the 20% cap **at any time** throughout the program year.*

TNMP will strive to provide timely notice of such changes to all program participants.

1.7 Public Disclosure

TNMP's SOP is subject to oversight by the PUCT, which may request a copy of any SOP materials that TNMP receives. Sensitive information submitted by the Project Sponsor to TNMP will be treated confidentially to the fullest extent possible, and will not be provided directly to outside parties other than the PUCT and the third party Evaluation, Measurement, and Verification (EM&V) contractor selected by the PUCT. TNMP will have no liability to any Project Sponsor or other party because of public disclosure of any submittals.

2 Eligibility

2.1 Project Sponsors

A Project Sponsor is any organization, group, or individual who contracts with TNMP to provide energy savings under the Res/HTR SOP. The following types of organizations are eligible to participate as Project Sponsors:

- TNMP customers owning or operating multifamily residential buildings, none individually exceeding 100 kW demand or 250 kW demand in the aggregate;
- Energy service companies (ESCOs);
- Local contractors;
- Not-for-profit housing or social service organizations;
- National or local companies that provide energy-related products (e.g., lighting or HVAC); and
- Retailers that install eligible energy-efficient products as part of this program.

Project Sponsors wishing to enroll in the Res/HTR SOPs must meet minimum eligibility criteria, comply with all Res/HTR SOP rules and procedures, and execute TNMP's Res/HTR SOP Agreement.

Project Sponsors also must demonstrate their financial, technical, and managerial qualifications as part of the enrollment application process to help ensure that the proposed projects will be successful in delivering the estimated energy savings. Project Sponsors and their subcontractors are required to carry all insurance required by law, and all insurance as described in the SOP Agreement. Project Sponsors must also execute the standard TNMP Host Customer Agreement, which is available on the Utility website, www.tnmpefficiency.com.

2.1.1 Marketing Materials

One of the features of the Res/HTR SOPs is that TNMP relies upon the marketing capabilities of Project Sponsors to sell projects to TNMP's Residential and Hard-to-Reach customers. TNMP will not directly market any energy efficiency-related product or service to its customers. Entering into an agreement with TNMP as a Project Sponsor does not imply TNMP's endorsement or approval of any company, product, or service.

All marketing materials created by the Project Sponsor which reference utility incentives generally, or TNMP and/or the Res/HTR SOP particularly, must be sent to TNMP for review at the time of application, if available, or prior to distribution. Failure to comply with these requirements could lead to Project Sponsor termination.

Marketing material examples include but are not limited to: flyers; door hangers; direct mail; yard signs; advertisements in printed or electronic publications; websites; electronic and social media content delivered via email, Facebook, Twitter, Snapchat, Google advertising; etc.

TNMP selects Project Sponsors for participation in the program from eligible companies who have provided all required documentation during the Project Sponsor enrollment process. Selections are made to optimize program performance via a Project Sponsor mix that serves all of TNMP's service area with a variety of cost effective energy efficiency measures.

2.2 Customers

2.2.1 Residential Customers

All residential customers of TNMP are eligible to have measures installed at their homes or residential premises as part of this program. Residential customers in multifamily buildings are also eligible. A map of TNMP's Texas service areas appears below. A more detailed version of this map, which contains enlarged versions of each region, may be found on TNMP's web site at <http://www.tnmp.com/about/service-area-map/index.htm>.

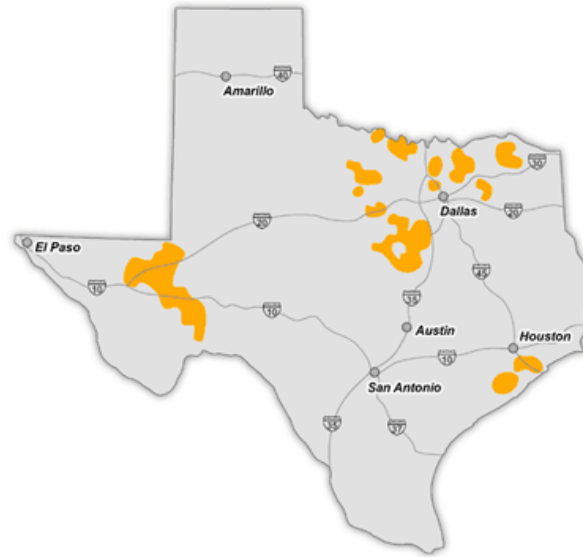


Figure 2-1. TNMP's Texas Service Area

2.2.2 Hard-to-Reach Customers

Hard-to-Reach (HTR) customers are defined as residential customers with annual household income at or below 200% of federal poverty guidelines, or who meet certain other qualifications. These income levels are currently defined as shown in Table 3, below:

Table 3. HTR Annual Income Eligibility Guidelines*

Size of Family	HTR Household Income Threshold 200% of Federal Poverty Guideline
1	\$24,120
2	\$32,480
3	\$40,840
4	\$49,200
5	\$57,560
6	\$65,920
7	\$74,280
8	≤ \$82,640

* Income thresholds are effective February 1, 2017 – January 31, 2018. Income guidelines are updated annually. Project Sponsors should use the updated guidelines after they are published by the PUCT. Annual updates are posted on <http://www.puc.texas.gov/industry/electric/forms>.

To document a single-family customer's Hard-to-Reach status, the Project Sponsor should have the host customer complete and sign the Public Utility Commission's Customer's Self Certification of Income Eligibility Form.

If the Project Sponsor is implementing a project at a multifamily building, the Project Sponsor must complete a Public Utility Commission of Texas Property Owner Certification Form of Tenant Income Eligibility.

Both forms are available on the Utility website

For multifamily residences of five or more dwelling units, Project Sponsors are eligible to receive the higher Hard-to-Reach incentive payments for measures installed in all units if 75% or more of the residents qualify as Hard-to-Reach. For multifamily residences of 2-4 units, the entire building qualifies if at least half of the residents qualify as HTR.

Alternatively, some multifamily properties may be eligible based on their participation in one or more programs that serve low income tenants:

- Public Housing Authority
- Multifamily Bond Program
- Project-Based Section 8
- HOME Rental Housing Development
- Housing Trust Fund
- Low-Income Housing Tax Credit Program
- Affordable Housing Disposition Program
- Rural Rental Section 515 (FMHA)

2.3 Energy Efficiency Measures

2.3.1 Eligible and Ineligible Measures

TNMP's Res/HTR SOPs are designed to enable Project Sponsors to deliver cost-effective energy efficiency measures to a wide range of residential customers.

Any Commission-approved measure included in the most recent Texas Technical Reference Manual ("TRM") assigned a deemed savings value for the residential customer class is eligible under TNMP's SOP.

Examples of eligible and ineligible measures are listed in Table 4 and Table 5 on the following page.

Table 4. Eligible Measures and Projects

Envelope Measures

- Insulation: ceiling, wall and floor
- ENERGY STAR® windows
- Infiltration control
- Duct efficiency
- Attic encapsulation
- Cool roofs

Cooling and Ventilation Measures/Projects

- High efficiency air conditioning replacements
- A/C Tune-up
- Variable speed drive applications for HVAC equipment

Heating Measures/Projects

- Heat pump replacement of resistance heat
- Standard-efficiency heat pump to high-efficiency heat pump replacement

Water Heating

- Energy and water-efficient clothes washers
- Low- flow showerheads & faucet aerators
- High efficiency gas water heater replacing electric resistance water heaters
- Heat pump water heaters
- Waste heat recovery units

Other Measures/Projects

- ENERGY STAR® refrigerators
- LEDs

Renewable Energy Measures

(All renewable measures subject to approval by PUCT)

- Solar photovoltaic (PV)
- Water heating

Table 5. Ineligible Measures and Projects

- | | |
|--|--|
| <ul style="list-style-type: none"> • Ducts located in fur-downs are considered to be in conditioned space, and thus ineligible • CFLs are ineligible; LEDs replacing existing CFLs are ineligible • Measures that do not raise efficiency above current standards • Cogeneration and self-generation projects (except solar PV) • Load shifting/load management measures • Load reductions caused by building vacancies • Measures that rely solely on customer behavior or require no capital investment | <ul style="list-style-type: none"> • Measures that decrease building plug loads, such as “Green Plugs” or computer inactivity time-out controls • Measures for which incentives were received under another TNMP program • Repair and maintenance projects • Energy-efficient gas measures when replacing non-electric technologies • Measures that result in negative environmental or health effects • Homes more recent than 2012 • Energy Star Homes are ineligible |
|--|--|

2.3.2 Non-Traditional Measures

Project Sponsors may propose innovative or non-traditional energy-efficiency measures. Equipment in all end uses (e.g. lighting, refrigeration, cooling, and heating) is eligible for the SOP. Proposed energy efficiency measures must meet the following requirements:

- Measure must produce a measurable and verifiable electric demand reduction during the peak period and produce electricity consumption savings.
- Measure must produce savings through an increase in energy efficiency or a substitution of another energy source for electricity (provided the substitution results in overall lower energy costs, lower energy consumption, and the installation of high efficiency equipment).
- Renewable energy measures meeting the requirements of the Commission's Energy Efficiency Rule (16 TAC § 25.181) may qualify for an incentive.
- Measure must meet or exceed minimum federal or other efficiency standards as provided in the TRM.

2.3.3 Installation and Documentation Standards

Project Sponsors are required to comply with all federal, state, and local licensing and permitting regulations. All installations must be performed in accordance with industry best practices, and documentation must be provided in accordance with all current Program and TRM requirements. The TRM will be the final authority on whether any particular measure is eligible for incentives.

2.3.4 Energy Savings Calculations

The TRM outlines additional requirements and eligibility criteria for measures implemented in the Residential and Hard-to-Reach Standard Offer Programs. Refer to the TRM for all deemed savings and installation standards.

All payments to Project Sponsors are based on the project's peak demand (kW) and annual energy (kWh) savings. Project Sponsors must utilize approved deemed savings for estimating the demand and energy impacts of the measures they install. Deemed savings are typically calculated automatically within P3.

Deemed Savings use pre-determined average kW and kWh savings for each measure. Project Sponsors are not required to perform any measurement or verification of energy savings.

All of the common residential retrofit measures have approved deemed savings values. The TRM has a listing of all the deemed savings values.

Additional information pertaining to certain measures is provided below.

2.3.4.1 Plug Loads

Measures involving "plug loads" (equipment or appliances that are plugged into standard electrical outlets) are not permitted.

2.3.4.2 Duct Efficiency, Air Infiltration, and Ceiling Insulation Measures

This section presents additional information about duct efficiency, air infiltration, and ceiling insulation measures.

- TNMP plans to keep Duct Efficiency and Air Infiltration measures as long as they remain cost effective.
- Maximum pre-installation leakage rate for Duct Efficiency capped at 35% of the total fan flow (Res only).

- Duct Efficiency measure only eligible if at least 50% of duct work is located in unconditioned space. Ducts located in furr-downs are considered to be in conditioned space.
- Leakage to outside testing is the only acceptable method of duct blaster testing.
- Pre-installation leakage rate must equal 80 CFM/ton or greater to be eligible for duct efficiency.
- If the duct blaster reading is above 160 CFM/ton, the duct efficiency measure shall not be recommended.
- Assessor must determine if the condition of the duct system is damaged beyond repair, note findings, and do not perform duct blaster testing.
- Air Infiltration CFM reduction is capped at 30% in Residential SOP.
 - TNMP is allowing a maximum total CFM reduction cap of 40% if proper photo documentation is uploaded to P3.
 - Photographs must capture 1) pre & post blower door meter readings, and 2) the scope/type of retrofit implemented, showing pre- and post-retrofit condition of the treated locations (examples may include: newly added door strip, caulking around window frame, recessed lighting fixtures, etc.).
- Ceiling Insulation with reported pre-retrofit R-value below R-5 requires all contractors to provide sufficient photo evidence, noted in the TRM 4.0 as:
 - Two photographs: 1) a picture showing the entire attic floor, and 2) a close-up picture of a ruler that shows the measurement of the depth of the insulation. In the absence of evidence demonstrating pre-retrofit ceiling insulation below R-5, the lowest level of pre-retrofit ceiling insulation that can be claimed is the R-5 to R-8 range.

TNMP may make updates to Duct Efficiency and Air Infiltration after reviewing the finalized TRM 5.0.

2.3.4.3 Solar Photovoltaic (PV) Measure

- Solar PV incentives are limited to 10% of the total Residential program incentive budget, and \$7,000 per project. Solar projects are not eligible in the HTR program.
- Installations must be interconnected to the electric distribution system and sized so that expected annual energy production does not exceed expected annual energy consumption.
- Incentives are paid based on the DC wattage (rated at standard test conditions) of the solar PV modules installed.
- The combination of tilt, orientation and shading on system output must not decrease estimated annual energy production to less than 80% of an “optimal” system (using PVWatts default parameters – project zip code to determine location; PVWatts-selected TMY2 weather data; array at latitude tilt, due south orientation; default shading using PVWatts system losses at 14%).
- Installers must provide the following information to document each solar PV installation:
 - For each solar array installed: the make, model and DC rating of each solar module installed; the number of modules in the array; the module type (standard, premium, thin film); array tilt and orientation; shading; array type (fixed open rack, fixed roof mount, 1-axis tracking, 1-axis backtracking, 2-axis tracking).
 - The make, model, and AC continuous power rating of each inverter installed.
 - Photographs of: the arrays, typical individual module labels and serial numbers,

inverters, inverter specification labels, balance of system components, and utility and solar meters.

- A copy of the fully executed interconnection agreement with TNMP.

2.3.4.4 AC Tune-Up Measure

This measure applies to central air conditioners and heat pumps of any configuration as long as everything on the checklist in the TRM can be completed. An AC tune-up involves checking, cleaning, adjusting, and resetting the equipment to factory conditions in the understanding that such measures restore operating efficiencies, on average, closer to as-new performance. This measure applies to all residential applications.

For this measure, the service technician must complete all tasks defined in the TRM according to industry best practices. In order to properly assess and adjust the refrigerant charge level, the unit must be operating under significant (i.e., normal) cooling load conditions. Therefore, this measure may only be performed for energy savings reporting purposes when the outdoor ambient dry bulb temperature is above 75°F, and the indoor return air dry bulb temperature is above 70°F.

The latest TRM AC Tune-Up Checklist is provided below. This list may be updated from time to time, and the current TRM version shall apply:

Air Conditioner Inspection and Tune-Up Checklist

- Tighten all electrical connections and measure voltage and current on motors.
- Lubricate all moving parts, including motor and fan bearings.
- Inspect and clean the condensate drain.
- Inspect controls of the system to ensure proper and safe operation. Check the startup/shutdown cycle of the equipment to assure the system starts, operates, and shuts off properly.
- Clean evaporator and condenser coils.
- Clean indoor blower fan components.
- Inspect and clean or change air filters; replacement preferred best practice.
- Measure airflow via static pressure across the cooling coil and adjust to manufacturers specifications.
- Check refrigerant level and adjust to manufacturer specifications.
- Check capacitor functionality and capacitance and compare to OEM specifications.

Additional requirements pertaining to the AC Tune-Up measure, including data that must be provided to document the measure, are included in the TRM. Note: any costs not covered by the incentive amount may be at cost to the customer.

2.4 Free Ridership

Incentive eligibility is limited to proposed projects that are wholly contingent upon a commitment of incentive funding. Projects contracted without the express written assumption of incentive funding availability are ineligible to receive such funding.

If any of the baseline equipment at a project site has been removed prior to the execution of the SOP Agreement, or if any of the proposed energy-efficient measures has been installed prior to the execution of the SOP Agreement, the project, or the affected portions thereof, will be disallowed.

3 Incentive Design and Delivery

3.1 Total Funding

TNMP has a combined total incentive budget of **\$1,550,000** for all Residential and Hard-to-Reach SOP projects for 2018. The incentive budget is divided between the two programs as follows:

- **\$1,200,000** for the Residential Standard Offer Program, and
- **\$350,000** for the Hard-to-Reach Standard Offer Program.

3.2 Incentives

The incentive rates for Residential and Hard-to-Reach projects are shown in Table 6 below. Higher incentive rates are available for projects serving Hard-to-Reach customers.

For standard measures, TNMP pays for each kW and kWh of verified savings according to a fixed pricing structure (“standard offer”). The kW payment is based on Peak Demand Savings; the kWh payment is based on the annual kWh savings. Payments may be adjusted based on results of TNMP’s site inspection results as described elsewhere in this document and in the SOP Agreement.

An alternative rate applies to certain measures. For example, solar PV projects are paid based on the rated DC wattage installed (see section 2.3.7 for details).

Table 6. 2018 Res/HTR SOP Incentive Rates

2018 Incentives	EUL	Res SOP		HTR SOP	
		\$/kW	\$/kWh	\$/kW	\$/kWh
Ceiling/Roof Insulation	25	\$229	\$0.10	\$323	\$0.18
Central AC	18	\$325	\$0.11	\$425	\$0.12
Central Heat Pump	15	\$300	\$0.09	\$400	\$0.10
LED	20	\$192	\$0.10	\$296	\$0.17
Attic Encapsulation	25	\$229	\$0.10	\$323	\$0.18
Cool Roofs	15	\$250	\$0.07	\$375	\$0.11
Air Infiltration	11	\$183	\$0.09	\$214	\$0.12
Duct Efficiency	18	\$183	\$0.09	\$282	\$0.16
A/C Tune-up	<10	\$100	\$0.04	\$150	\$0.06
Low-Flow Showerheads	10	\$225	\$0.07	\$270	\$0.11
Pool Pumps	10	\$225	\$0.07	NA	NA
All Other Measures	≥10	\$225	\$0.07	\$270	\$0.11
Alternative Rates Measures		\$/WDC			
Solar PV	30	\$0.70	N/A	N/A	N/A

Incentives are paid based on deemed savings after the completion of the project. The standard incentive rates are offered for peak demand (kW) savings and annual energy (kWh) savings.

TNMP will not reimburse any Project Sponsor for any costs incurred by participating in the Residential and Hard-to-Reach SOPs, including costs of preparing the Project Application, reviewing or executing the SOP Agreement, or preparing and submitting documents or invoices.

TNMP will pay all incentives directly to the Project Sponsors, not to customers. Project Sponsors are not required to provide any direct incentives to customers, but are required to

execute a contract with customers indicating that the Project Sponsor is receiving incentives as a consequence of participating in a TNMP program.

3.3 Project Sponsor Limits

To ensure that funding will be available to multiple participants, TNMP has set the maximum amount of incentives paid to any one Project Sponsor (including Project Sponsor's Affiliates) at 20% of the total program budget. A Project Sponsor may receive the maximum incentive amount available under each Program, but must submit separate applications for HTR and Residential incentives.

3.4 Limits on Measure Mix

An important objective of the SOP is to encourage projects that provide a comprehensive range of energy efficiency measures enabling TNMP to achieve significant summer peak or winter peak demand reduction.

To this end, TNMP reserves the right to limit the share of the total incentive budget reserved by certain measures in the program. For example, solar PV projects are currently limited to 10% of the Residential budget. Program guidelines such as these may be subject to change if it is deemed necessary to achieve program objectives.

3.5 Incentive Commitment and Expiration

Incentive funds are committed to projects when projects are submitted by the Project Sponsor on a first-come, first served basis, subject to the limits described above. All incentive commitments expire at the close of the program implementation period.

Projects that do not receive incentives because they are submitted after program funds have been depleted are not eligible to apply for incentives in the following program year.

3.6 Incentive Payments

The Project Sponsor receives 100% of the incentive payment within about 45 days after submitting a monthly implementation report and invoice, subject to TNMP's post-installation inspection results.

4 Participation Process

4.1 Overview

The Program participation process, in summary, is as follows:

1. **Project Sponsor Enrollment:** Project Sponsors register and enroll to participate in each program via [P3®](#).
2. **Project Initiation and Submittal:** Once enrollment is accepted, Project sponsors use P3 to determine customer and project eligibility, confirm budget availability, define and upload project specifications, calculate incentives, and submit eligible projects. Project Sponsors use P3 to submit eligible projects, providing appropriate documentation for each.
3. **Project Review, Inspection and Payment:** TNMP reviews all submitted projects, selects some for on-site inspections, conducts inspections, and approves payment for completed projects.

4.2 Detailed Process Steps

4.2.1 Project Sponsor Enrollment Application

Qualifying Project Sponsors must apply separately for enrollment in each program via the following steps:

1. The first step in the Res/HTR SOP enrollment process is for the Project Sponsor to submit an Enrollment Application. There is both a Residential and Hard-to-Reach Project Enrollment Application Process. Each Enrollment Application includes information about the Project Sponsor's corporate information, qualifications, and references and the estimated kW and kWh impacts.
2. Once a Project Sponsor is accepted, they will be authorized to access P3, and submit projects without further approval, until all Project incentive funding has been allocated.

A copy of the SOP Agreement that will be executed by TNMP and the Project Sponsor prior to the project implementation may be downloaded from Utility website. Project Sponsors are urged to review the SOP Agreement before submitting a Project Application. *Once the project submittal period has begun, TNMP will not entertain proposed modifications to the SOP Agreement.*
3. TNMP reviews each enrollment application and approves or denies each Project Sponsor.

Project Sponsors must make sure they submit their enrollment application no later than the application deadline shown in Table 2. Key Implementation Dates. Please note:

- Once the enrollment application is submitted, Project Sponsors cannot go back and make any changes.
- In order to submit the enrollment application on the designated submit date and time, the application must be accurate and complete beforehand.
- For detailed instructions on what to do on submission day, refer to P3 training video that is available on the Help page within P3.
- TNMP will review all applications received during the enrollment period on an equal basis, without regard to the order in which the applications were received.

The information listed below is required of all Project Sponsors:

- Project Sponsor name.
- W9 and federal tax identification number of Project Sponsor.
- Parent company (if any) and affiliated firms (if any).
- Contact name, address, phone number, fax number, e-mail address.
- Name and contact information of representative(s) that will have direct interaction with customers.
- Names, addresses, etc., of all subcontractors.
- A copy of all current industry licenses and certifications, e.g., HERS, BPI, HPP or PVT (Performance Verification Technician – replaces HERO certification program), HVAC insulation installation, etc.

TNMP also requires Project Sponsors to demonstrate their qualifications and experience as part of the application process to help ensure that the proposed projects will be successful in delivering the estimated energy savings. The Project Sponsor's application should include the following:

- A brief statement of the Project Sponsor's capabilities and experience (500 word maximum).
- Evidence that Project Sponsor and any subcontractors possess all applicable licenses and insurance. Evidence includes a list of applicable licenses, license holders and license numbers.
- Three (3) utility/client/customer references for projects similar in nature to that proposed in this application (include contact name, address, and phone number).
- Disclosure of any legal judgments pending, or entered in the previous two years, against Project Sponsor, as well as a current list of pending litigation filed against Project Sponsor.

All Project Sponsors that are installing duct efficiency are required to have a certified HERS, BPI, HPP or PVT on staff. Employees that install the duct efficiency measure must have at least a PVT certification. If HERS, BPI, HPP or PVT certified rater is not present at the work site, then infiltration and duct efficiency installations are not allowed. Project sponsors must provide a listing of certifications or licenses held (e.g., HVAC license, HERS, BPI, HPP or PVT certification), or relevant third-party training courses completed.

Project Sponsors are asked to describe the customer types being targeted and/or building/dwelling characteristics being targeted.

Project Sponsors are also asked to describe the marketing mechanisms intended to be used and to describe previous projects that were successfully completed by the Project Sponsor utilizing similar marketing methods.

All marketing materials must be submitted for review and approval prior to use. Please submit your marketing materials via email to Ashley.Mitchell@TNMP.com. You are not allowed to use any marketing materials until approved by Program Manager.

For more information on marketing materials, please refer to section 2.1.1.

At the time the enrollment application is submitted online, the following documents must be uploaded into the database:

- Electronically Signed SOP Agreement.
- A copy of W9
- The TNMP Vendor Profile Form so payment can be submitted to Project Sponsor.
 - Only if there have been updates or changes to the company since last participation
- Insurance: Project Sponsors and subcontractors must submit proof of insurance listing TNMP as additional insured using the Certificate Holder Format below. Please have your insurance provider mail or email these documents directly to Ashley. Prior to commencing any installation activities, Project Sponsor shall submit its insurance certificate to TNMP.

TNMP

Attn: Ashley Mitchell

577 N Garden Ridge Blvd

Lewisville, TX 75067

Ashley.Mitchell@TNMP.com

- A copy of all **current** industry licenses and certifications pertaining to applicable measures for the Project Sponsor: HERS, BPI, HPP or PVT, insulation installation, HVAC, electrical, etc.

Failure to provide required documents with the application may result in automatic rejection of the sponsor application.

4.2.2 TNMP Review of Project Sponsor Enrollment Applications

Once a Project Sponsor Enrollment Application has been approved, the TNMP Program Administrator will allow the Project Sponsor to access the implementation sections of both the Residential and HTR programs within P3. From these sections, Project Sponsors will be able to see how much project incentive money is left in the programs' incentive budgets, and will be able to submit invoices for the measure installations that have been completed. No further approvals are required from TNMP to begin installation.

TNMP may reject a Project Sponsor Enrollment Application if:

- The Enrollment Application is received after the Enrollment Application submittal deadline;
- The Project Sponsor fails to meet program eligibility requirements;
- The Project Sponsor fails to respond to any request for additional information;
- The Project Sponsor is found to have made material misrepresentations in the Project Application;
- The Project Sponsor fails to comply with applicable federal, state and local laws and regulations;
- Changes occur in laws or regulations directly affecting the Res/HTR SOP; and
- TNMP, in its sole judgment, determines that the Project Sponsor is incapable of fulfilling the terms and conditions of the Res/HTR SOP Agreement.

TNMP reserves the right to limit or disqualify the participation of Project Sponsors who have performed poorly in previous TNMP or other utility standard offer programs.

TNMP will notify each Project Sponsor of its application status. If a Project Sponsor Enrollment Application is found incomplete or insufficient, TNMP may, at its sole discretion, reject it.

TNMP may request clarification of, or additional information about, any item submitted as part of the Project Sponsor Enrollment Application. Project Sponsors will have five business days to respond to such requests. If the clarification or additional information provided is not sufficiently responsive, TNMP may, at its sole discretion, request additional information, or discontinue its evaluation of the submittal.

4.2.3 Project Initiation and Submittal

The project application and submittal process exists within P3, and enables Project Sponsors to apply to reserve and receive incentives for projects on an incremental basis, as work is completed and invoiced. With this process, it is not necessary for the approved Project Sponsor to request incentives in advance to perform installations for customers. Instead, the funds are reserved for that sponsor upon the submission of an invoice through P3. The incentive money is an open pot and is reserved on a first come, first serve basis, based on the date and time of invoice submission.

After receiving approval for their Enrollment Application(s), Project Sponsors may submit completed installations in invoices so long as there are sufficient funds in the program budget and the Project Sponsor has not already met their incentive limit.

All application forms, instructions, frequently-asked questions, and helper applications will be accessible on the Utility website. All project submittals must be completed and submitted online within P3. Projects may be submitted by enrolled Project Sponsors on a first come, first served basis. Once the Project Sponsors has completed filling out their application, they can submit it right away.

One of the key requirements for Project Sponsors is that they perform installations and report the installation data by submitting an invoice through P3. Funds are reserved out of the program budget as sponsors submit their invoices. Funds are distributed on a first come, first serve basis.

To promote efficient and timely work within the programs, the program design enables approved Project Sponsors to submit projects multiple times per month for amounts as small as \$250, up to a total of the Project Sponsor limit shown in Table 1. Incentive Budgets and Limits.

Projects can be submitted until the Project Sponsor limit is reached or all program funds have been used. Funds will be taken out of the program budget upon the submission of a project.

Due to the nature of the first come first-served program design, Project Sponsors are encouraged to submit projects as early and as often as possible. Before submitting projects, ensure that all required documents are uploaded for each project.

If Project Sponsor submits an invoice when program funds are close to being depleted, there is no guarantee that their invoice will be paid in full. It is the Project Sponsor's responsibility to ensure there are ample funds in the program budget to cover the incentives associated with the measures they are installing. Projects installed and submitted after program funding has been depleted are not eligible to reapply in the following program year.

Please note that when funds have run out in the program, there is no guarantee that TNMP will be able to pay incentives on non-submitted installations. Also, once the funds have been depleted, TNMP will not rollover homes to the next program year that were not paid. It is the sponsor's responsibility to monitor the program budget and determine if there are ample funds in the program budget before implementing installations.

Project Sponsors have two options for submitting projects:

One-by-One Submission

1. Access your Project List and select the project you wish to submit.
 - a) Note: only projects in the “Work Completion Pending” status can be submitted.
2. Within the Project Details page, select the “Submit” from the dropdown menu (in the top right panel under the project status).
3. Select the “Submit” button in blue to submit project.
4. Project will be submitted if it meets all of the program requirements.

Batch Submission

1. Access your Project List and select the checkboxes in the far left column for each project that you wish to submit.
 - a) Note: only projects in the “Work Completion Pending” status can be submitted.
2. Select the “Batch Action” dropdown menu.
3. Select “Submit” from the dropdown menu. A confirmation message will appear.
4. Click “Go” within the confirmation window.
5. Projects will be submitted if they meet all of the program requirements.

During the implementation period, the Project Sponsor will perform marketing and implementation activities and report progress on a regular basis to TNMP. All installations must be completed and all implementation data reported to TNMP no later than November 30, 2018.

Once the invoice is submitted to TNMP via P3, it will be reviewed for accuracy. If any discrepancies are found in any of the reports, TNMP will notify the Project Sponsor. The Project Sponsor shall have 10 business days from the date of TNMP’s notification to correct any discrepancies.

Standard Forms

The Project Sponsor shall also use the following standard forms, which are available in the resources tab on the Utility website or upon request to the Program Manager:

1. *Customer Disclosure Form*. This document informs the Host Customer of their rights and the terms included in the Host Customer Agreement.
2. *Host Customer Agreement (HCA)*. This is a standard agreement executed by the Project Sponsor and the host customer. It includes all the customer protection provisions and disclosures required by the PUCT.
3. *Residential Customer Acknowledgement and/or Multifamily Property Manager Certificate*. These are forms in which the residential customer or multifamily property manager confirms that: the measures described in the Host Customer Agreement have been installed to his/her satisfaction; and that TNMP is allowed access to the host customer site.
4. *Household Income Eligibility Self-Certification and/or Multifamily Certification Forms*. These forms are to be used by customers and property managers to certify hard-to-reach eligibility.
5. *Field Data Sheet*. This form is required for each customer in multifamily and single family projects listing specific technical data regarding the measures performed.
6. *Standard Marketing Materials*. TNMP-branded marketing materials are available if requested via email to the Program Manager.

Please note that customer signatures on all customer forms must match the host customer's name in the database. For assistance with customer forms, contact the Program Administrator.

Copies of all required forms shall be uploaded for each customer. Among other things, the forms provide the Project Sponsor with a release for TNMP, allowing energy use and billing information to be provided to the Project Sponsor, which may be used for EM&V. The forms also provide TNMP with permission to inspect the installation, which may be required before incentive payments are approved.

All program correspondence, reports, and any other required materials should be uploaded directly to the P3. Refer to the training video that is available on the Help page within P3 for help with the upload feature, or contact the program manager if you have any difficulties.

Work Scheduling

Project Sponsors must maintain a work schedule within the program, informing (via email and P3) the Program Manager on the location, time and date that marketing activities and/or work is performed weekly. Failing to maintain a work schedule could result in corrective action and/or termination from the program. For more information on corrective action, please refer to Section 5.2.

4.2.4 Inspections and Approval

TNMP will review all documentation associated with each submitted project, verifying selected entries for accuracy.

Each home input into the Work Schedule via P3 is subject to an inspection either before, after, or before and after the measure installation.

Pre-Installation Inspections

To facilitate the pre-installation inspection process, Project Sponsors are required to submit work schedules a minimum of 24 hours prior to beginning work. Project Sponsors should coordinate their work schedule with the Program Administrator, who will inform inspection staff. Failure to comply with the work schedule requirement could result in corrective action.

For multifamily projects, the objective is to conduct pre-installation and post-installation inspections on a minimum of 10% of the units to be retrofitted at each project. Once a multifamily project has been input into the database, Frontier will contact the Project Sponsor to schedule pre-installation inspections. Frontier will coordinate inspections with the Project Sponsor so that Frontier staff can conduct pre-installation blower door and duct leakage testing, or verify tests being conducted by Project Sponsor staff. Frontier inspection staff will record pre-installation test values and other data on the multifamily pre-installation form. If the Project Sponsor performs installation work during the same day, the Frontier inspector will witness and verify any post-installation testing done on these units. Additional follow-up post installations may be conducted without prior notice to the Project Sponsor.

For single-family projects, the objective is also to conduct pre- and post-installation inspections on a minimum of 10% of a Project Sponsor's single-family projects. For single-family pre-inspections, Frontier inspectors will monitor the daily work schedules submitted by each Project Sponsor. Random, unannounced pre-inspections will be conducted, with pre-inspection data collected on a single-family pre-inspection form. During the program year, Frontier will monitor the number of single-family projects implemented by each Project Sponsor, and will attempt to conduct a sufficient number of pre-inspections to maintain the percentage at or above 10%.

To facilitate the pre-inspection process, Project Sponsors are required to submit work schedules within P3 a minimum of 24 hours prior to beginning work. Failure to comply with the work schedule requirement will result in corrective action.

Post-Installation Inspections

During the review process, TNMP will take a random sample of customer sites and make field inspections to determine if each measure has been installed properly, and is capable of performing its intended function. All measures installed in the Residential and Hard-to-Reach SOP must conform to or exceed the standards listed in the TRM. If installed measures do not meet these standards, they will not be eligible for incentives.

After field inspections are completed, all installations will be evaluated on a measure-by-measure basis to calculate an adjustment factor for energy savings and incentives. This adjustment factor will consider the ratio of savings of the measures that pass the inspection to the total incentive specified in the Measure Inspection Report for the selected sample. The adjustment factor will then be applied to the incentive amount for payment. The algorithm for calculating the adjustment factor is described below:

$$\text{Adjustment Factor} = \frac{\text{Total incentives for measures that pass inspection}}{\text{Total incentives for all measures selected for inspection}}$$

This assumes all figures on the implementation report are correct. Any errors will be corrected prior to finalizing the adjustment factor.

In the event the Project Sponsor disagrees with the payment adjustment, the Project Sponsor may provide additional clarifying information and request a second review.

Note that it is the Project Sponsor's responsibility to inform their customers that their home may be selected for a post inspection.

4.2.5 Payment

Incentives are paid based on deemed savings after the completion of the project. The standard incentive rates are offered for peak demand (kW) savings and annual energy (kWh) savings.

TNMP will not reimburse any Project Sponsor for any costs incurred by participating in the Residential and Hard-to-Reach SOPs, including costs of preparing the Project Application, reviewing or executing the SOP Agreement, or preparing and submitting documents or invoices.

The entire incentive payment is paid as soon as installation inspections are completed and approved, normally within 45 days of submitting an implementation report and invoice.

5 Quality Control/Quality Assurance

The program design employs pre- and post-inspections as well as non-conformance procedures for investigating the root causes of any failed inspections. Handled on a one-by-one basis, consequences may include a reduction/refusal of incentive payment. In instances where incorrect information was deliberately provided by a contractor or distributor, those businesses may be suspended or expelled from the program.

Project Sponsors with projects that are found to be unlikely to produce estimated savings through the pre-inspection process will be notified of the issues regarding their project design or documentation and will be allowed to re-submit or amend their application.

Project Sponsors with projects that fail post-installation inspections will be required to correct the problems identified and either submit evidence of correction or schedule a second inspection, at the Program Manager's discretion. Project Sponsors that fail to correct deficiencies in a timely manner may be removed from the Program and/or denied an incentive.

5.1 Project Sponsor Standing

All Project Sponsors must maintain good standing with the Program. Project Sponsors in good standing are defined as those:

- Who have attended all required Project Sponsor meetings, technical training sessions and other mandatory events;
- Whose three most recent installations subject to a Program inspection have passed those inspections on the first attempt;
- Who have maintained and documented to the Program Manager proper and current licensure, certificates, insurance, and other eligibility requirements;
- Who have provided all required progress reports in a timely fashion; and,
- Who work in good faith with the Program Manager to resolve any Customer disputes or complaints and to change business practices as appropriate to reduce the likelihood of future disputes or complaints.

Project Sponsors who are not in good standing may be removed from the Program. They will be notified by the Program Manager of their status and will be required to work with the Program Manager to develop a plan to correct the problem(s). A lack of progress on this plan may lead to disqualification.

5.2 Corrective Action

Accurate reporting is of key importance in calculating savings achieved. TNMP may prohibit a Project Sponsor from submitting certain measures if problems occur repeatedly in accurately reporting of required information. All installations will be entered and submitted in the program database within 45 days of the installation date.

In addition, Project Sponsors may experience corrective action for any of the following, but not limited to: misrepresenting the programs, utilizing marketing materials that have not been pre-approved by TNMP, or performing work that generates excessive customer complaints. Failure to adhere to the reporting or program requirements may result in the following corrective actions:

- First failure: Temporary suspension from the program and/or 10% penalty applied to incentive payments for affected measures.
- Second failure: Temporary suspension from the program and/or 100% penalty applied to incentive payment for affected measure installations.
- Third failure: contract termination.

5.3 Disqualification

All Project Sponsors are required to maintain proper licensure, certificates, insurance, and other eligibility requirements as stated in the online registration system. The Program Manager may also determine and maintain metrics of Project Sponsor performance which may be used to disqualify Project Sponsors from participation in the Program. Project Sponsor performance metrics that indicate potential grounds for disqualification may include but are not limited to:

- High rates of Customer/City complaints handled by Program Management staff;
- High rates of submitting incomplete or ineligible project applications;
- Low rates of passing Program inspections; and/or
- Low rates of completing pre-approved projects within the incentive reservation period.

5.4 Dispute Resolution

Unresolved disputes hurt the success of the Program. In this respect, the overriding objective of all the participants in the Program is to achieve 100% Customer satisfaction and to satisfactorily resolve all disputes at the lowest level possible.

Disputes, concerns or complaints arising from Customers should, in general, be addressed at the lowest level possible. Most of the time, this means the problem should be resolved between the Project Sponsor and Customer.

Issues that cannot be addressed by the Project Sponsor and Customer and are brought to the attention of the Program Administrator may be addressed by the Program Administrator. The Program Administrator first level response shall be to document the date and nature of the complaint and the specific details. This shall include contact information, name, address, phone number and/or email of all parties involved. The Program Administrator will maintain all contact and status records. This will open the issue; next an appropriate action step must be completed for it to be resolved and closed. The Program Administrator shall be responsible to delegate or take action to resolve the issue within 2 weeks.

Disputes, concerns or complaints arising between Project Sponsors and the Program Administrator shall follow a similar path. The Program Administrator first level response shall be to document the date and nature of the complaint and the specific details. Again, this will include contact information, name, address, phone number, and/or email of all parties involved. The Program Administrator will maintain all contact and status records. This will open the issue; next an appropriate action step must be completed for it to be resolved and closed. The Program Administrator shall be responsible to delegate or take action to resolve the issue within 2 weeks.

Disputes that cannot be resolved nor have future action agreed to by all parties during initial contact may be brought to the Program Manager.