



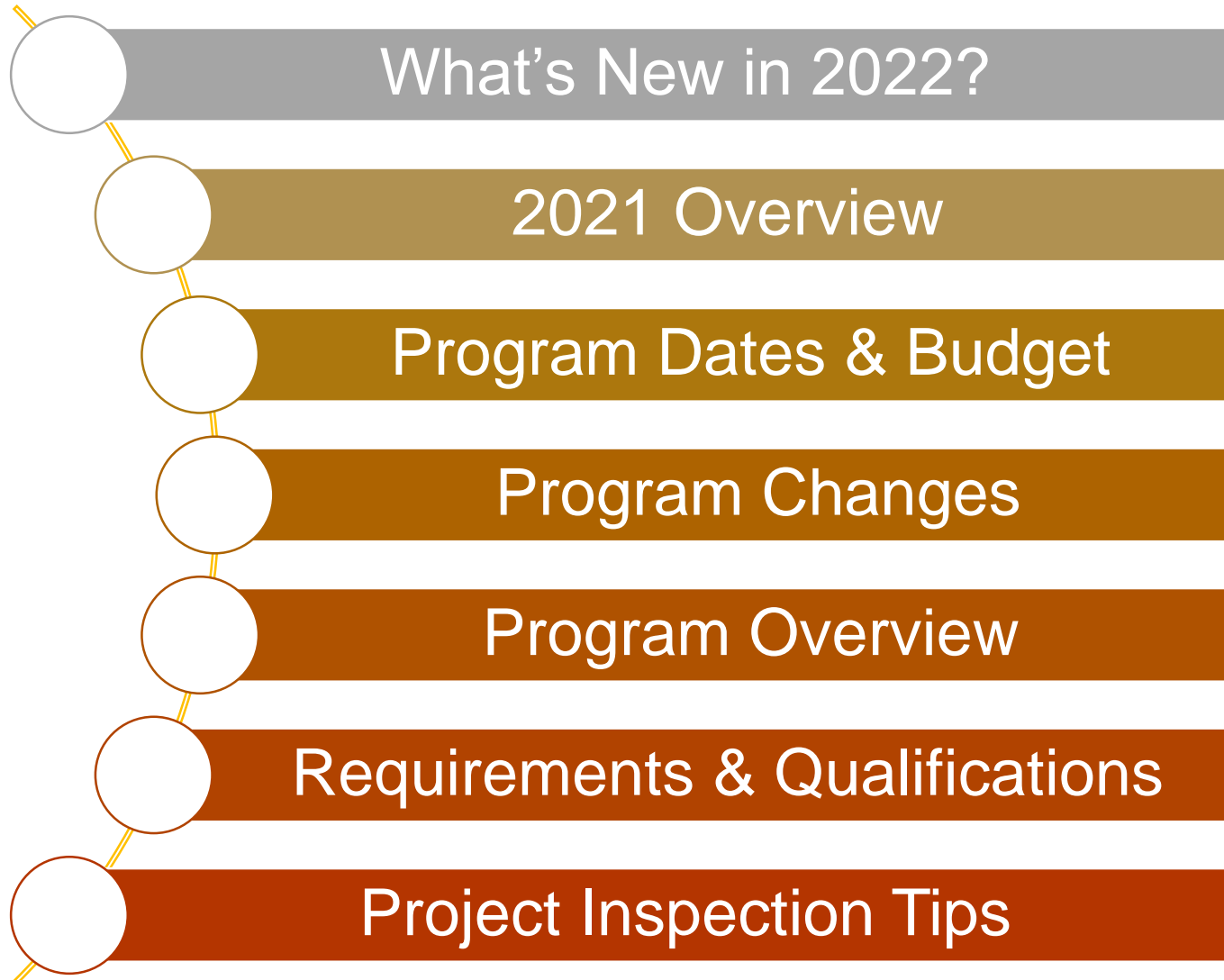
# WELCOME

2022 COMMERCIAL PROGRAM KICK-OFF PRESENTATION

December 16, 2021

Kim Hooper, Matt Taylor and Graham Thurman

# AGENDA





# WHAT'S NEW IN 2022?

New Programs and Updates

# Commercial Midstream HVAC Program



## Program Overview

- In the Commercial Midstream HVAC Program, Service Providers will have an opportunity to purchase high efficiency commercial HVAC equipment from participating distributors and offer instant discounts to Oncor customers for qualifying equipment.
- Participating in this program will allow you to be more competitive in the market, leverage utility incentives to help you build your business, and provide your customers with higher efficiency equipment options at a lower cost and greater return on investment.

## Implementer

- Oncor has selected ICF as the Program Implementer for the HVAC Midstream Program.

## Oncor HVAC Midstream Measures

- Service Providers will be required to submit eligible HVAC projects for certain equipment measures to their participating distributor through the Midstream HVAC Program.
- The following equipment measures will be offered exclusively through the Midstream HVAC Program:
  - Air Conditioner – All Heating Types (Split / Mini Split and Single Package)
  - Air Source Heat Pump (Split / Mini Split and Packaged)
  - PTAC and PTHP

## Oncor Commercial Standard Offer Program (CSOP) HVAC Equipment Measures

- Oncor will continue to offer certain HVAC equipment measures through our existing 2022 CSOP.
- Only the following HVAC equipment measures will be offered for new CSOP projects:
  - Chillers
  - Variable Refrigerant Flow (VRF)
  - Geothermal
  - Water-Cooled DX

# Commercial Midstream HVAC Program



## Participation

- For additional questions about this program or to become a participating Service Provider, contact Chris Coronel, ICF's Account Manager at [Chris.Coronel@icf.com](mailto:Chris.Coronel@icf.com), (817) 818-9461.
- A list of participating distributors and contacts is provided below. If you are currently working with a distributor that is not on the list, please contact ICF to determine if your distributor can be included.

Carrier  
Erik Olson  
713-899-3077  
[erik.olson@carrierenterprise.com](mailto:erik.olson@carrierenterprise.com)

HD Supply  
Chris Boyle  
602-373-4574  
[cboyle@csmlink.com](mailto:cboyle@csmlink.com)

Lennox  
Bert Milner  
832-846-1341  
[bert.milner@lennoxind.com](mailto:bert.milner@lennoxind.com)

Texas Air Systems (AAON)  
Gene Lowery  
972-834-0017  
[gene.lowery@texasairsystems.com](mailto:gene.lowery@texasairsystems.com)

Trane  
Jay Sullivan  
817-805-0020  
[jay.sullivan@trane.com](mailto:jay.sullivan@trane.com)

- Purchase qualified equipment from a participating distributor who will provide you with information on incentives.
- Submit incentive applications through the ICF Sightline Mobile App, available on Android and iOS, or the Oncor C&I Midstream HVAC Online Application System at [www.oncoreemidstream.com](http://www.oncoreemidstream.com).

# 2022 Small Business Direct Install Program



## Program Overview

- The SBDI Program targets energy efficiency retrofit opportunities for Oncor's Small Business Commercial customers, with a peak demand of <200 kW. The Program represents a comprehensive approach, looking at lighting, refrigeration, and other limited measures, but still within the context of a "direct install" turnkey service model using selected implementation Contractors.
- Customer incentives will be provided directly to the Contractor to reduce the cost of installing energy efficient equipment and to offset the additional costs of delivering the turnkey services listed above.
- Incentives are designed to cover up to **70%** of the total installed cost.
- This program **IS NOT** eligible in the following counties: Dallas, Tarrant, Rockwall, Denton and Collin County.

## Implementer

- ICF will be the implementer of Oncor's Small Business Direct Install Program for program years 2022 – 2025.
- ICF is responsible for selecting one or more contractors for each Oncor area.

## Measures

- Lighting
- Refrigeration
- Measures like VFDs, Pool Pumps, Gaskets, Vending Machine, ECMs

## Participation

- Please contact ICF's team for steps on how to participate in this program.

# Implementer Contacts (ICF)

Nancy Nuche

ICF's Sr. Account Manager

469-467-4439

[Nancy.Nuche@icf.com](mailto:Nancy.Nuche@icf.com)

Steven Ellison

ICF's Senior Manager

817-313-4094

[Steven.Ellison@icf.com](mailto:Steven.Ellison@icf.com)

Brett Fidler

ICF's Small Business

Program Manager

918-808-0995

[brett.fidler@icf.com](mailto:brett.fidler@icf.com)



# Energy Concierge & Strategic Energy Management



- Oncor has partnered with Leidos to implement the program.
- Energy Concierge - uses energy experts to help uncover hidden energy saving opportunities and develop an Energy Efficiency Action Plan, so that you can recognize your energy cost reductions. No cost to the customer.
- Energy experts will complete a Treasure Hunt at your facility to uncover energy efficiency opportunities and help your team develop an Energy Efficiency Action Plan with the goal to reduce your energy costs by 5 percent or more.
- Strategic Energy Management - continual improvement approach to manage energy that goes beyond the project-by-project approach and helps build a systematic process for driving continuous improvement in energy performance.
- Incentives - EC Program offers special incentives of \$0.02/kWh for electric savings that come from operational changes implemented and a Staffing Grant to help with the cost of staff time to develop the Energy Efficiency Action Plan. As a result, in addition to the technical support described above, enrolled customers will receive the following financial benefits depending on the peak demand for a customer:

CUSTOMER SIZE	STAFFING GRANT FOR ACTION PLAN	OPERATIONAL CHANGE INCENTIVES
500KW TO 1MW	\$1,000	\$0.02/KWH
1MW TO 5MW	\$3,000	\$0.02/KWH
5MW AND ABOVE	\$10,000	\$0.02/KWH



# 2022 Commercial Measure Additions



- High Efficiency Data Center Air Conditioning
- Premium efficiency motors
- ENERGY STAR® commercial ice-makers
- ENERGY STAR® pool pumps
- Vending machine controls
- Lodging guest room occupancy sensors
- Condenser air evaporative pre-cooling
- Demand controlled kitchen ventilation



Measure Name	Eligibility Criteria
High Efficiency Data Center Air Conditioning	<ul style="list-style-type: none"> <li>Retrofit and New Construction</li> <li>Building Type: Data Center</li> </ul>
ENERGY STAR® Commercial Ice Makers	<ul style="list-style-type: none"> <li>Equipment includes air-cooled batch and ice makers for ice-making hear (IMH), self-contained (SCU) and remote condensing (RCU)</li> <li>Not included: water-cooled ice makers, ice makers with ice and water dispensing systems, air-cooled RCUs designed only for connection to remote rack compressors.</li> </ul>
Demand Controlled Kitchen Ventilation	<ul style="list-style-type: none"> <li>Kitchen ventilation systems with/without dedicated make-up air units.</li> <li>Building types: Casual Dining/fast food, 24-hour restaurant/hotel, school café with/without summer</li> </ul>
Vending Machine Controls	<ul style="list-style-type: none"> <li>Baseline equipment: 120-v single phase refrigerated beverage or non-refrigerated snack vending machine.</li> <li>Manufactured and purchased prior to August 31, 2012</li> <li>Eligible equipment: Refrigerated vending machine or non-refrigerated snack vending machine (including warm beverage).</li> </ul>
Lodging Guest Room Occupancy Sensor	<ul style="list-style-type: none"> <li>HVAC savings, controls must be capable of either a 5°F or 10°F temperature offset.</li> <li>lighting savings, at least 50% of all the lighting fixtures in a guest room – both hardwired and plug-load lighting – must be actively controlled.</li> <li>Baseline: guest room or dorm room without occupancy controls.</li> </ul>
ENERGY STAR® Pool Pumps	<ul style="list-style-type: none"> <li>Replacement of a single-speed pool pump with an ENERGY STAR® certified variable speed pool pump.</li> <li>Applies to commercial applications, indoor or outdoor, with a pump size of up to 3 hp.</li> <li>Motor-only retrofits are not eligible. Multi-speed pumps are not permitted.</li> </ul>
Condenser Air Evaporative Pre-Cooling	<ul style="list-style-type: none"> <li>See TRM v9 for complete list of criteria to be eligible for the measure.</li> <li>Chemical/mechanical water treatment, control system for operation, air to condenser coils must pass through evaporative pre-cooling system, installed by a qualified contractor and commissioned, performance greater than or equal to 0.75, operation manuals must be provided.</li> <li>If above conditions are not met, deemed savings approach can't be used, M&amp;V methodology will be utilized.</li> </ul>
Premium Efficiency Motors	<ul style="list-style-type: none"> <li>NEMA premium efficiency motors from 1 to 500 hp</li> <li>Only Retrofit and New Construction</li> </ul>

# New Measures Incentive Table



Measure Name	2022 Incentive
High Efficiency Data Center Air Conditioning	\$294.79/kW and \$.095/kWh
ENERGY STAR® Commercial Ice Makers	Batch (\$0.20 per harvest or Continuous (\$0.30 per harvest)
Demand Controlled Kitchen Ventilation	\$400 per unit
Vending Machine Controls	\$105 per Refrigerated Unit and \$35 per snack machine
Lodging Guest Room Occupancy Sensor	\$80 per room
ENERGY STAR® Pool Pumps	\$600 per Pool Pump
Condenser Air Evaporative Pre-Cooling	\$75/kW and \$0.12/kWh
Premium Efficiency Motors	Tiered incentive paid per HP. \$100 to \$5,000 per motor (see tier breakdown)

Premium Motors Incentive 2022		
HP	\$/hp	Notes
1	\$100.00	flat
1.5	\$100.00	flat
2	\$100.00	flat
3	\$100.00	flat
5	\$100.00	flat
7.5	\$225.00	\$30 per hp
10	\$300.00	\$30 per hp
15	\$450.00	\$30 per hp
20	\$600.00	\$30 per hp
25	\$625.00	\$25 per hp
30	\$750.00	\$25 per hp
40	\$800.00	\$20 per hp
50	\$1,000.00	\$20 per hp
60	\$1,200.00	\$20 per hp
75	\$1,500.00	\$20 per hp
100	\$1,600.00	\$16 per hp
125	\$1,750.00	\$14 per hp
150	\$1,800.00	\$12 per hp
200	\$2,000.00	\$10 per hp
250	\$2,500.00	\$10 per hp
300	\$3,000.00	\$10 per hp
350	\$3,500.00	\$10 per hp
400	\$4,000.00	\$10 per hp
450	\$4,500.00	\$10 per hp
500	\$5,000.00	\$10 per hp



# COMMERCIAL PROGRAM

2022 Commercial Kick-Off Presentation

# 2021 COMMERCIAL SERVICE PROVIDERS



## 198 Active Service Providers

## 2021 Total

Incentives paid

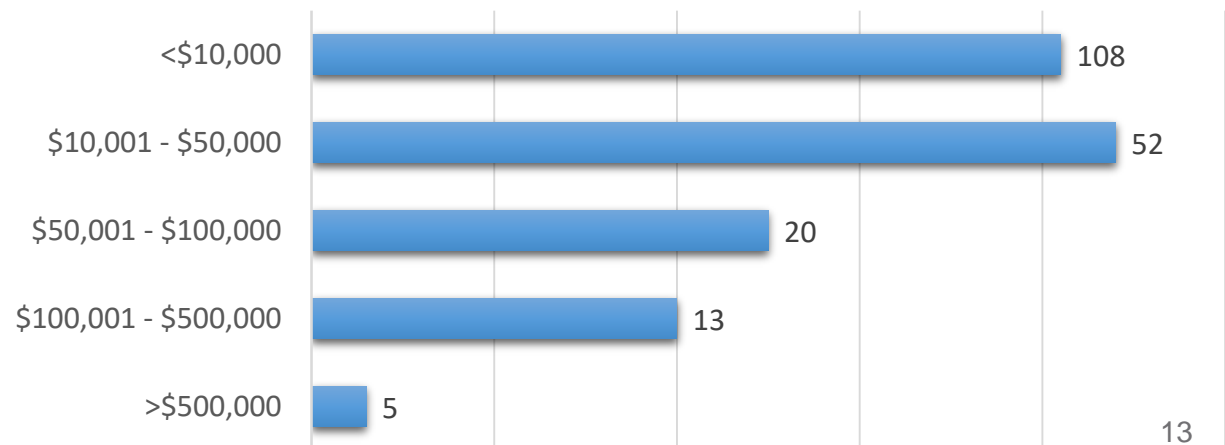
\$8.7M

## Average

Incentive received

\$26,396

Number of Service Providers



# 2021 COMMERCIAL PROJECT RESULTS



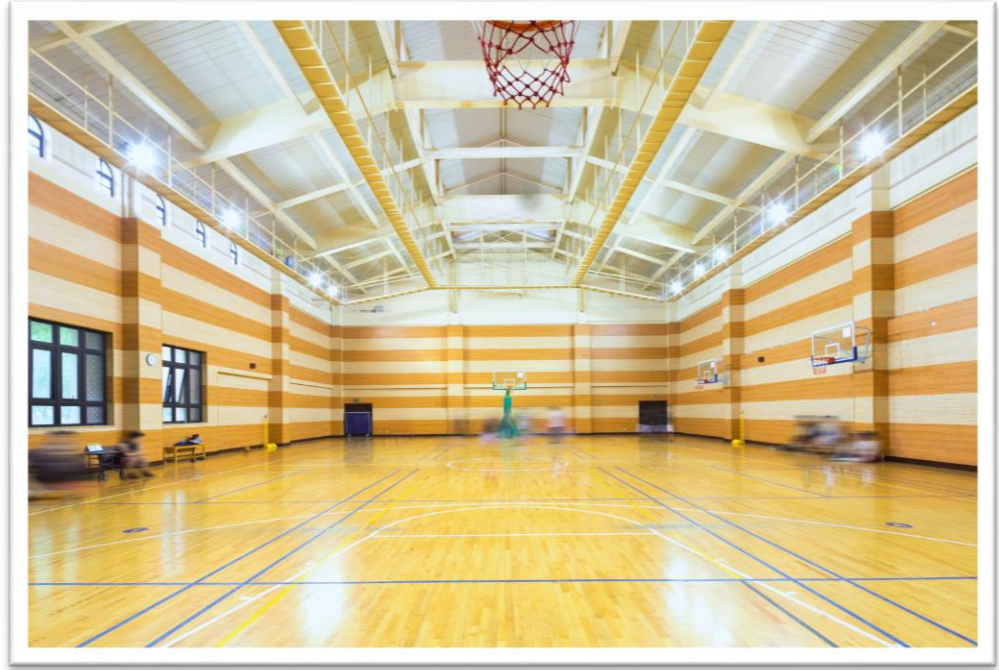
## Projects

485

## Average

Incentive received

\$26,396

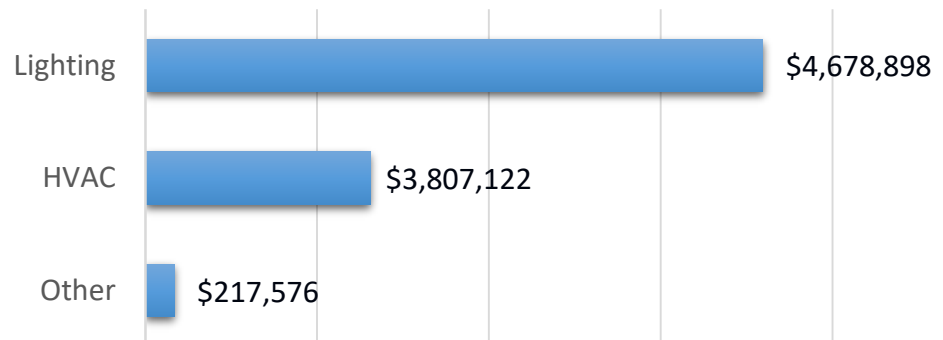


## Largest

Paid project

\$400,506

### Incentive Dollars



# 2022 Commercial Budget

Programs	2022 Incentive Budget *
Commercial SOP	\$7,030,930

## Approximately \$3.2M in 2021 Carry-over Projects in 2022

Incentives are limited to 20% of the program budget (incentive cap) for each Service Provider (in combination with its affiliates). Oncor may raise the incentive cap based on program performance.

\*Oncor reserves the right to increase or decrease the actual incentive budget of the program during the program year as needed to achieve Energy Efficiency program objectives.



# 2022 Program Changes



New Lighting Calculator (under tools in EEPM)

New requirements for on-site and desk review inspections

- Pre-inspection photos
- Post-inspection photos



# Program Overview



## Commercial Standard Offer Program

The Commercial Standard Offer Program provide incentives to approved participating Service Providers who implement qualifying peak demand and/or energy saving projects for eligible Oncor commercial customers.

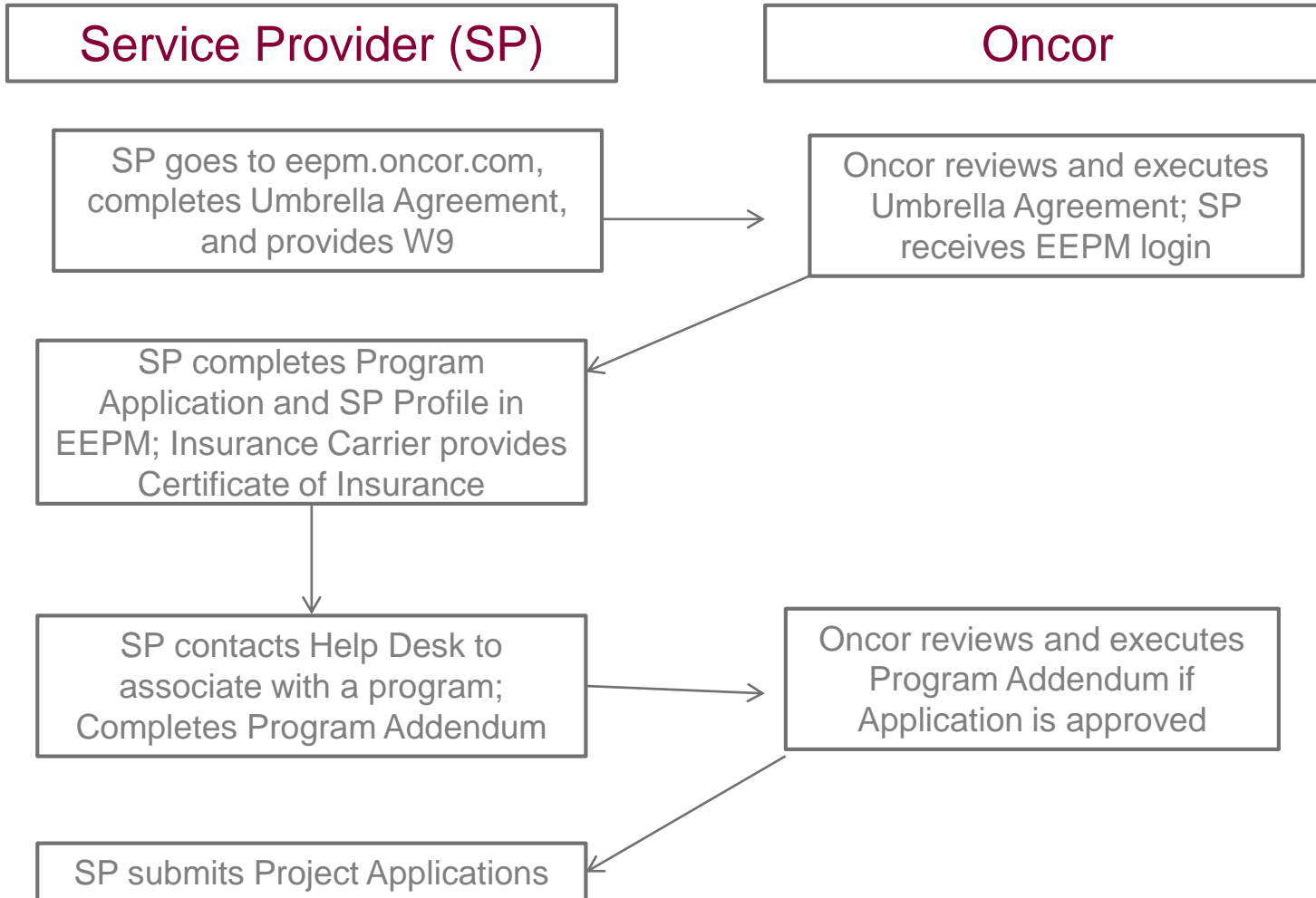
- ☐ Retrofit Projects require a pre- and post-inspection
- ☐ New Construction Projects require a post-inspection
- ☐ Eligible commercial customers with demand  $\geq$  50 kW can self-sponsor

## 2022 Program Open Dates

Service Provider Application in EEPM: December 16, 2021

Project Application in EEPM: December 16, 2021

# How to Enroll as a Service Provider



Visit <https://eepm.oncor.com/commercial-provider.aspx> for more information and to sign up.

# Insurance



TYPE	MINIMUM COVERAGE LIMITS
Bodily Injury and Property Damage	\$1,000,000
Each Occurrence	\$1,000,000
General Aggregate	\$1,000,000
Product Comp/Op Aggregate	
Automobile	\$500,000
Workers Compensation	
Each Accident	\$500,000
Disease Policy	\$500,000
Disease Employee Limit	\$500,000

Quick Tip: See  
“2022 Insurance  
Guidelines” for  
specific  
requirements.

Insurance Acords should be completed and emailed to [eeppinsurance@oncor.com](mailto:eeppinsurance@oncor.com) by the INSURANCE AGENT. Insurance certificates cannot be accepted directly from the Service Provider.

Expired insurance will result in lock-out. All service provider companies must keep insurance current and active.

# Program Qualifications



Service Providers and Aggregators include:

- National or local energy service companies
- Retail Electric Providers
- Individual customers who meet Program requirements (Self-Sponsors)

All participating customers must be eligible commercial customers served by Oncor.

Due to opt-out provisions, transmission level, for-profit customers are excluded from the Program.

Incentives are not available for commercial customers (only those classified as manufacturing) that have selected to opt out from paying into the Energy Efficiency Cost Recovery Fund (EECRF).

# Program Qualifications

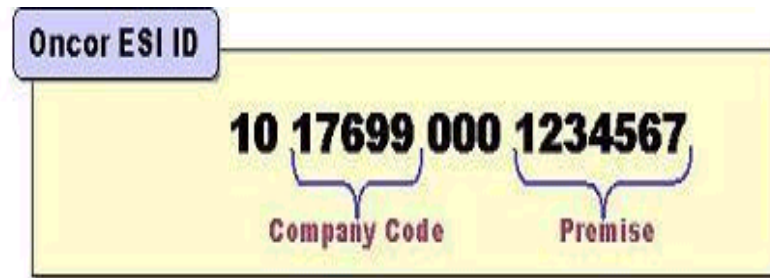


## Eligible Customer ESI IDs

- ❑ ESI IDs must be served by Oncor.
- ❑ Oncor meters contain one of the following company codes. The last seven digits are the premise (account) number or meter number in EEPM.



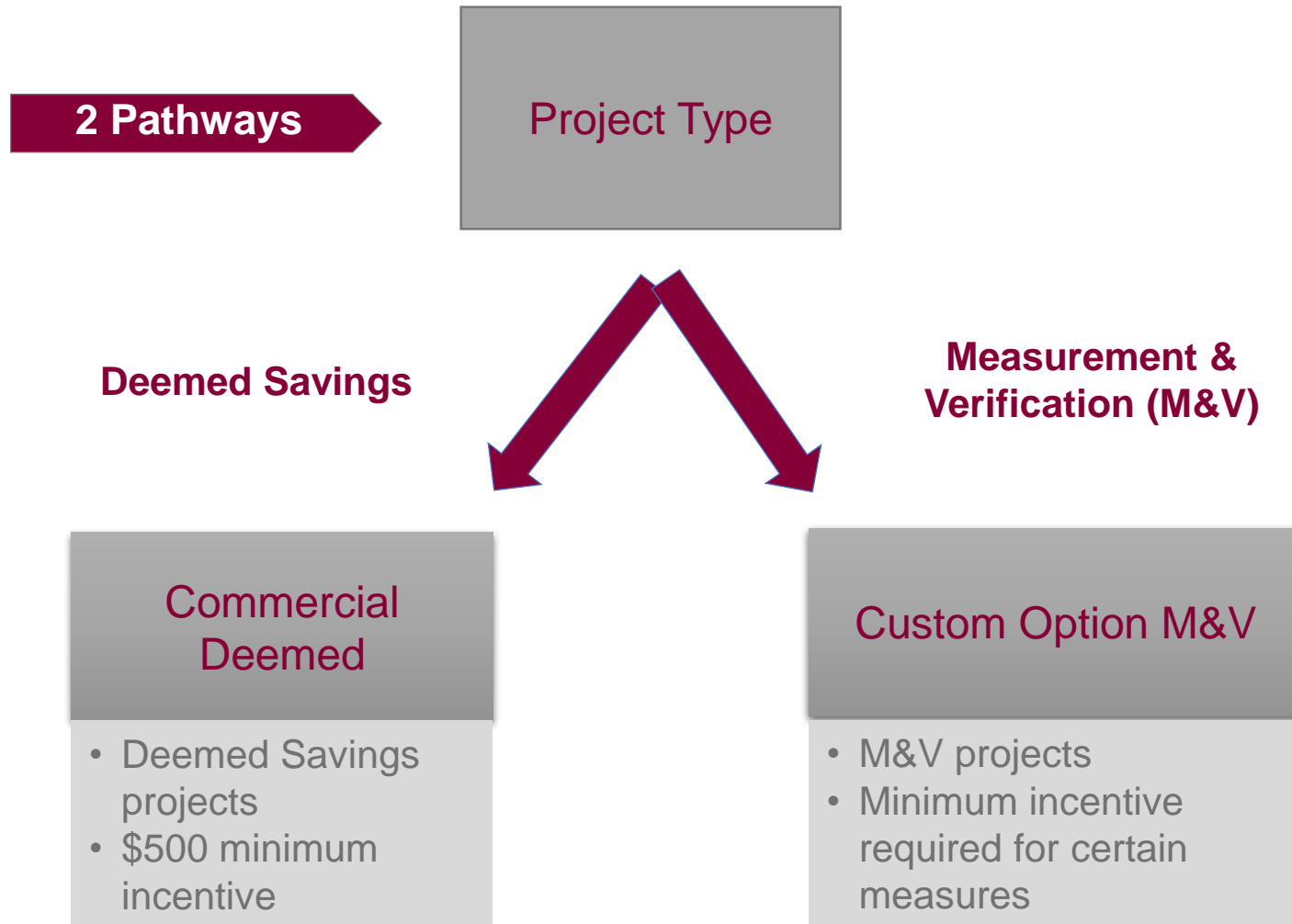
Found throughout the service area



Found in East Texas

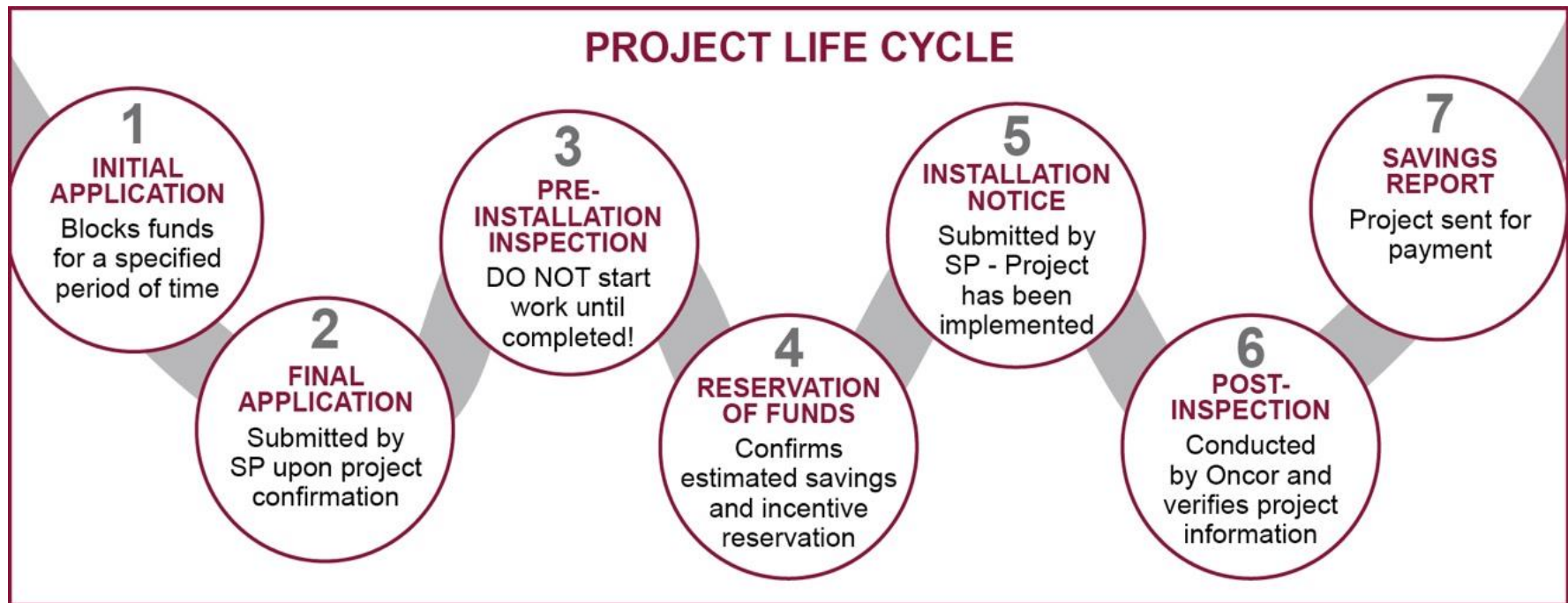
**NOTE:** Check the premise ID in EEPM to verify the rate code. Customers that have a “Commercial” rate code and contribute to the Energy Efficiency Cost Recovery Fund are eligible.

# Project Types





# Program Process



# Program Evaluation



The Public Utility Commission of Texas uses an outside contractor (EM&V Team) to evaluate all the utility-sponsored energy efficiency programs.

- Responsible for verifying reported savings, estimating free-ridership and calculating program cost-effectiveness.
- You may be contacted by the evaluator to answer a survey.
- Some projects may be selected for an on-site inspection by the evaluator.

# Program Information



## Program Manuals

- Available on [eepm.oncor.com](http://eepm.oncor.com) under the Resources/Commercial tab.
- Program Manuals include program processes and procedures.

## State of Texas Technical Reference Manual (TRM)

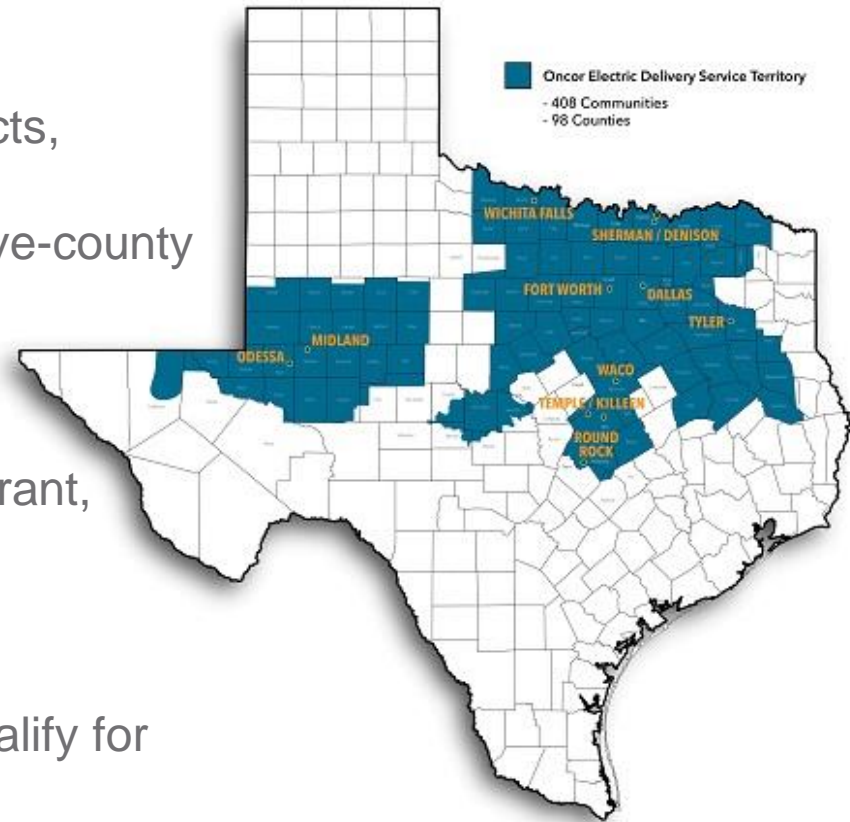
- Available on [eepm.oncor.com](http://eepm.oncor.com) under the Resources/Commercial tab.
- The Public Utility Commission of Texas (PUCT) uses an outside contractor (EM&V Team) to conduct Evaluation, Measurement and Verification for all utility programs.
- The TRM compiles all PUCT-approved deemed savings and measure requirements into one document for easy reference.
- The TRM is periodically updated. Always refer to the latest version of the TRM.

Two curved lines, one red and one dark red, sweep across the upper portion of the slide from left to right.

# INCENTIVES

# Geographic Adjustments

- An additional 15% payment for all projects, calculated on a site basis, outside the five-county Metroplex area.
- The Metroplex area includes Dallas, Tarrant, Rockwall, Denton, and Collin counties.
- Ellis and Johnson Counties currently qualify for the additional 15% incentive payment.



# Lighting



Lighting Type	\$/kW NPV	\$/kWh NPV
Lighting: Light Emitting Diode (LED) (Screw-in)	\$146.58	\$0.040
Lighting: Light Emitting Diode (LED) (Fixture, not screw-in)	\$209.21	\$0.057
Lighting: Light Emitting Diode (LED) (Screw-in Corncob)	\$209.21	\$0.057
Lighting: Modular CFL and CCFL Fixtures	\$217.67	\$0.059
Lighting: T8 and T5 Linear Fluorescent	\$213.44	\$0.058
T-LED (Type "C" DLC Approved Only) Paid per fixture (Multiple fixtures with one ballast converting to one driver is considered as one fixture).	Fix amount per fixture	\$6.00
Occupancy Sensor– Lodging Guest Room Occupancy Sensor Controls	\$80 per room	*

*\* T-12 lamps and magnetic ballasts qualify for retrofit using a T-8 lamp and electronic ballast baseline.*

NOTE: LEDs require ENERGY STAR®, Design Lights Consortium (DLC), or other TRM approved methods

HVAC Measure/Control	\$/kW NPV	\$/kWh NPV
Variable Refrigerant Flow System	\$294.79	\$0.095
Ground Source Heat Pump (Geothermal)	\$294.79	\$0.095
Water Cooled Centrifugal Chiller	\$387.81	\$0.125
Water Cooled Screw / Scroll Chiller	\$348.13	\$0.112
Air Cooled Centrifugal Chiller	\$387.81	\$0.125
Air Cooled Screw / Scroll Chiller	\$348.13	\$0.112
Water Cooled DX Unit	\$294.79	\$0.095
HVAC Variable Frequency Drives	\$285.29	\$0.086



# Food Service



Food Service Measure	\$/kW NPV	\$/kWh NPV
High Effic. Combination Ovens	\$ 106.74	\$ 0.057
High Effic. Electric Convection Ovens	\$ 106.74	\$ 0.057
ENERGY STAR® Commercial Dishwasher	\$ 193.11	\$ 0.054
Hot Food Holding Cabinet	\$ 164.21	\$ 0.041
ENERGY STAR® Electric Fryer	\$ 205.27	\$ 0.066
Pre-Rinse Spray Valves	\$ 12.38	\$ 0.004
ENERGY STAR® r Electric Steam Cookers	\$ 108.14	\$ 0.050
Door Heater Controls	\$ 98.53	\$ 0.008
ECM Evaporator Fan Motors	\$ 19.02	\$ 0.029
Electronic Defrost Controls	\$ 86.51	\$ 0.072
Evaporator Fan Controls	\$ 49.47	\$ 0.010
Solid and Glass Door Reach-Ins	\$ 98.53	\$ 0.025
Strip Curtains for Walk-In Refrigerated Storage	\$ 40.75	\$ 0.010
Zero Energy Doors for Refrigerated Cases	\$ 123.16	\$ 0.025

# Other Measures



Measure Type	\$/kW	\$/kWh
ENERGY STAR® Roof	\$247.25	\$0.076
Master Meter Apts. Insulation	\$187.65	\$0.050

Additional measures and incentives can be found at [eepm.oncor.com](http://eepm.oncor.com) under the Resources/Commercial tab.

# INSPECTION TIPS

# Pre-inspection Photos

- Service Provider should provide existing condition photos for each unique existing fixture type:
  - Profile of fixture where reported lamp can be seen
  - Close-up of wattage stamp on the lamp
  - Profile of the area to be retrofitted
- Pre-existing fixture area photos should have all lights turned on so that non-operating fixtures can be counted.
- Need photos of each space type to verify existing controls such as O/S, switches, personal tuning, etc.

DO NOT start work or remove any existing equipment until the pre-inspection is complete and approved by the Program Manager.

# Post-Inspection Photos



Service Provider should provide post-inspection photos including:

- Profile shots of the fixture (close up of the fixture)
- Photos of the LED nameplate with model number (must be provided for each type LED installed)
- Profile of the area the fixture is installed (where the fixtures listed on that line can be seen)
- Photos of various controls that are installed as part of this project (please zoom into areas that this would apply)

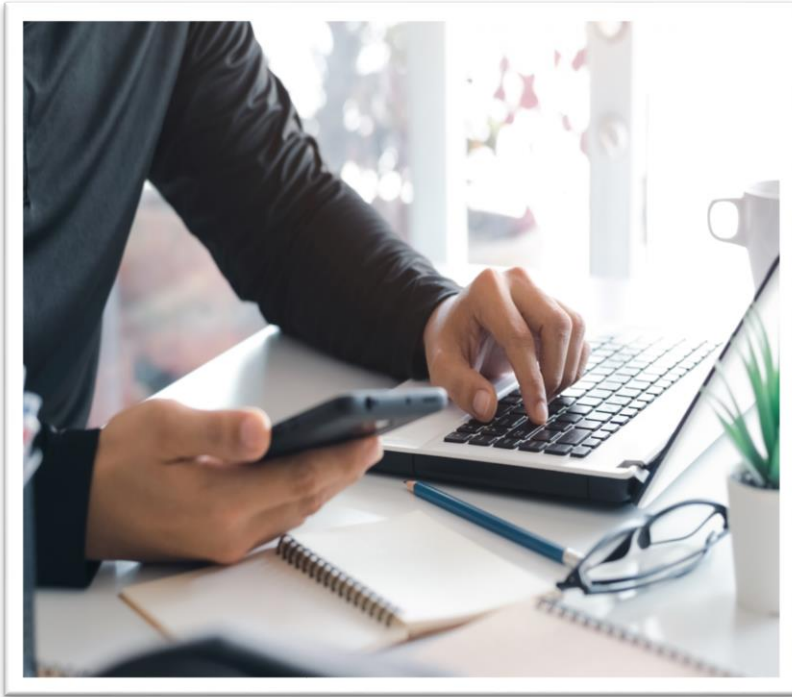
# Photo Requirements



- Create a separate pdf file for each site. If there is only one site, you should only have one pdf file uploaded in EEPM that contains all of your photos.
- For each site, consolidate all photos into a single pdf file. If you attach multiple files with a single photo in each file, your project will be rejected for correction.
- All photos must be labeled. The label will help verify the area represented by line number or circuit ID.

**\*\*Oncor reserves the right to request additional photos if images are blurred or we cannot identify which area the photo represents.\*\***

# Service Provider Contact



## Service Provider Representative:

- Cannot be the customer
- Must be present for the inspection
- Knowledgeable of the measure detail and the location of the listed specific equipment
- Able to provide full access to the measures selected by the Inspector for the inspection



# Equipment and Tools



- At the Pre and Post inspections, the Service Provider is responsible for providing the equipment and tools necessary to retrieve model numbers and lamp wattages for selected fixtures. This includes ladders, lifts, and any other equipment the Service Provider may need to prove reported project info.
- Service Provider should provide good pre and post photos of each fixture type to where Oncor understands, through photo documentation, the pre and post site conditions (this minimizes inspection time during an on-site inspection).
- Please refer to the CSOP Checklist for Service Providers.

# Facility Maps & Drawings

- Service Provider should provide a map or floor plan to help the Program Manager and Inspector locate all measures (fixtures) listed in the measures.
- For retrofit projects, a hand-drawn sketch can be used.
- Break down fixture locations with a map ID reference that is shown on the map or drawing, and in the measure.



# Lighting, Fixtures and Conditions



## Outdoor Lighting Operation

- ❑ Service Provider must show any selected fixtures are operating during pre-inspection. This may include covering photocell or by-passing the timers or overriding controls.

## Non-Operational Fixtures

- ❑ Service Provider is responsible for an accurate count for the fixtures that are not operating when filling out the data entry information in EEPM.

## Existing Conditions

- ❑ Service Provider is responsible for capturing the pre- and post conditions accurately. If controls and/or HVAC exist before project is started, be sure to identify these areas correctly for any fixture lines in the data entry fields in EEPM.

## LIGHTING TIPS

# Building Type, Controls, and Fixtures

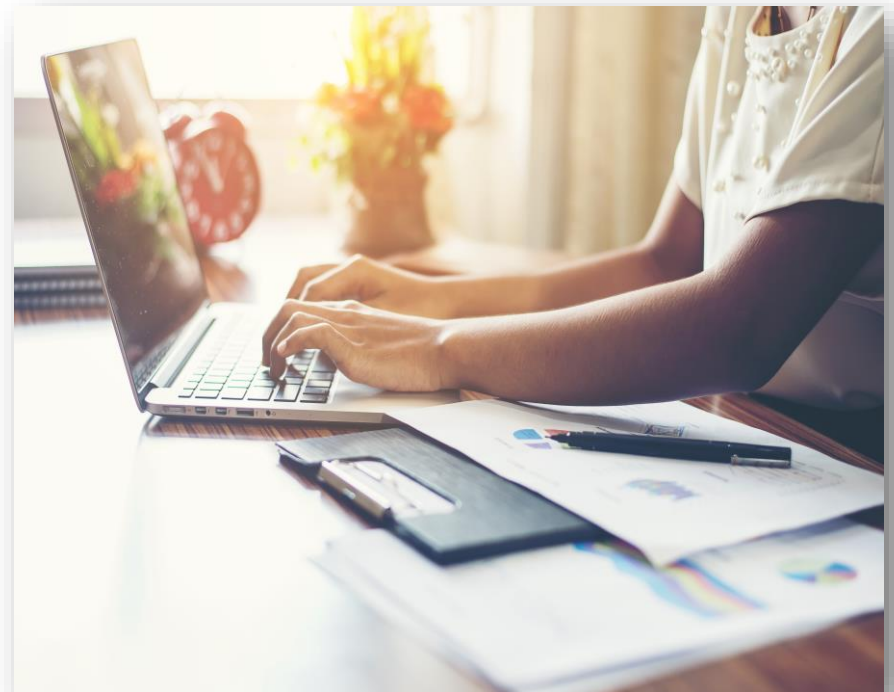


- Pick one building type and stay with it! (Exception: Outdoor Lighting).
- For Outdoor Lighting, select “Outdoor” for the pre- and post-equipment controls.
- In spaces with large areas of the same fixture do not combine. These should be broken down into smaller segments (e.g. Row A -10, Row B -15).
- In rooms to be retrofitted, list all fixtures, even the lighting that is not planned for replacement.
- For lighting not being replaced, the pre- and post-retrofit fixture code and quantity will be the same.



# Removing a Site

- If your final project has fewer sites than originally uploaded, edit the data entry information to make the pre- and post-equipment the same for the sites that are not included (zero out).
- Do not delete a site ESI ID.
- Add comments in EEPM that the site savings were zeroed out.



# Qualified LEDs



- Make sure the post-retrofit fixture wattage matches what is installed. For LEDs, this should be the DLC or ENERGY STAR® wattage, rounded up or down to the closest ½ watt.
- Screw-in LEDs are eligible for incentives in appropriate applications (i.e. no track lighting or heat lamps).
- Only Type “C” LED tubes are allowed and must be qualified by DLC and the incentive is a flat \$6.00 per fixture.
- Make sure the LED model number in EEPM matches the installed LED nameplate, and is consistent with the DLC, or ENERGY STAR® documentation/screenshot. List the model number found on the fixture and do not use the wildcard characters found in DLC or ES. Please see next slide as an example.

# DLC Screenshot Example



Model# GTL4R 40L [EZ1, EOHN] LP835 XXXXX

Manufacturer: Acuity Brands Lighting  
Brand: Lithonia Lighting  
Technical Requirements Version: 4.4  
Date Qualified: 07/01/2015  
Product ID: PE1VFN7Q

**Categorization**

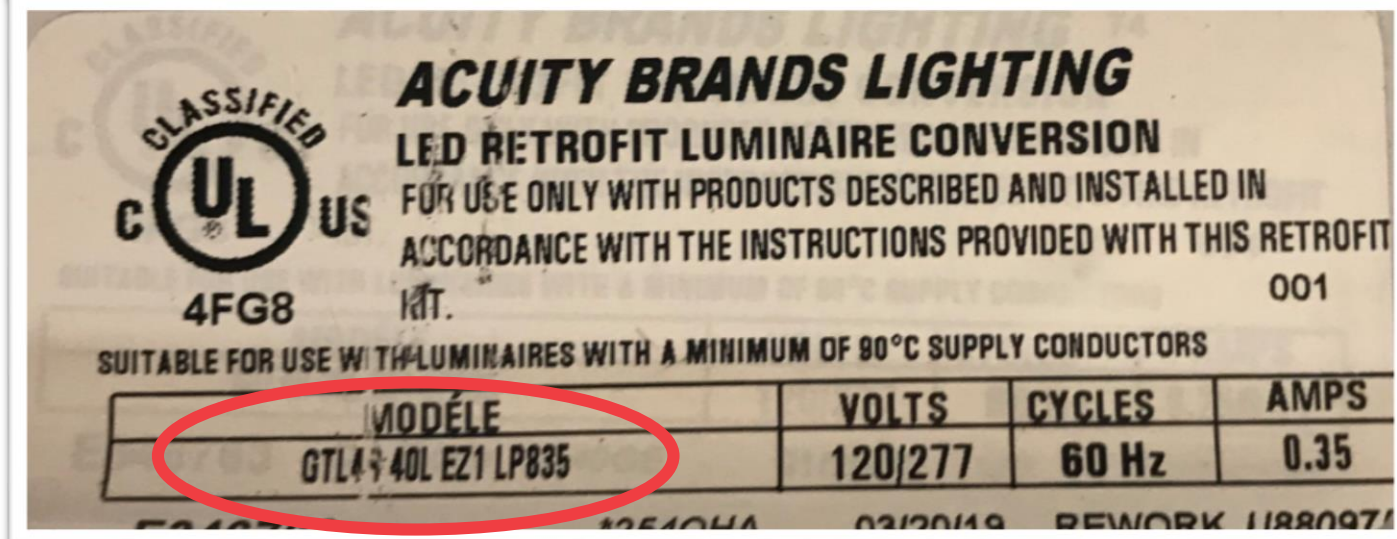
Main: Indoor Retrofit Kit  
General Application: Troffer  
Primary Use: Linear Retrofit Kits for 1x4 Luminaires  
System Type: AC

Classification: standard  
Is Parent Product: No  
DLC Family Code: ZZZAMZ  
Listing Status: Listed

[View Notes](#)

Reported Data   Zonal Lumens   Spacing Criteria   Product Features   Version History   Family Data

Light Output: 3922 lm  
Wattage: 38.6 W  
Efficacy (AC): 102 lm/W  
Power Factor: 0.93  
CCT: 3512 K  
CRI: 83  
Total Harmonic Distortion: 17.75 %





# Non-Qualifying Lighting

- LEDs that are not ENERGY STAR® or Design Lights Consortium (DLC) qualified
- LEDs used as heat lamps
- Use of non-qualified LED in new construction may reduce incentive amount
- Plug Load and Track Lighting
- Incentives are not paid when metal halides and high- and low-pressure sodium are installed as post-fixtures
- Any LED tube other than type “C” LED tubes are not eligible for incentives

# Light Levels, Retrofits and Ballasts



## IES Recommended Light Levels

- Lighting Projects must meet Illumination Engineering Society (IES) recommended light levels to qualify for an incentive.
- Lighting retrofits that reduce the number of fixtures by 15% or more may be required to submit a lighting simulation that includes all lighting being installed.

## Fluorescent Luminary Retrofits

- T-12 lamps and magnetic ballasts qualify for retrofit using a T-8 lamp and electronic ballast baseline.

## Electronic Ballasts

- Electronic ballasts must be CEE-approved and/or classified as NEMA Premium, and have a Total Harmonic Distortion (THD) of no greater than 20%.

# Project Documentation



## Outdoor Lighting

- The facility owner must send an email or letter stating how the outdoor lighting will operate, either dusk-to-dawn or less than dusk-to-dawn.

## Manufacturing Shifts

- When using 2 or 3 Shift Manufacturing Building Types the facility owner must send an email or letter stating the actual hours of operation and if the hours are seasonal.

## New Construction Projects

- Plans of the facility must be signed and stamped by an architect/engineer showing the square footage for the indoor and outdoor areas (paved parking/driveways square footage only; all non-parking/driveways should not be included), lighting schedule, and the lighting layout must be attached for the project. **Circle or highlight the square footage numbers on the plans.**
- A COMcheck document can be used in lieu of the A/E plans for the square footage.
- For outdoor lighting US Census Bureau document must show if the location is rural (Zone 2) or Urban ( Zone 3).

Two curved lines, one red and one dark red, arching across the top of the slide.

## MINIMUM EQUIPMENT STANDARDS

# Lighting

## LED Lighting


- Must be listed with DLC or ENERGY STAR®



# HVAC (Minimum Equipment Standards)



## HVAC Units

- Must be AHRI certified.
  - Unit model number must exactly match the AHRI certificate model number.
- 
- A photograph showing several large HVAC units, including chillers and water-cooled DX units, installed on a rooftop. The units are arranged in rows and are connected to a network of pipes and ducts. The rooftop is made of concrete and has some other equipment visible in the background.
- For larger units, Chillers and Water Cooled DX must have a manufacturer simulation showing unit performance at 100% load and at AHRI conditions.

# Program Reminders



## Insurance

- Keep insurance current throughout the calendar year!
- Start renewing your insurance at least one month before it expires.

## Company Name and Tax ID

- If you change your company name or Tax ID during the year, contact the Program Manager immediately!

## Pre-inspection Approval

- DO NOT start work or remove any existing equipment until the pre-inspection is complete and approved by the Program Manager. The Reservation of funds document must be signed before starting work.
- The Program Manager will notify the Service Provider when they can begin installation.



# Program Reminders (cont'd)

## Rollover Projects

- Projects that cannot complete in **2022** may be allowed to “**roll over**” to the next year if the Oncor Program Manager is notified by **September 15, 2022**.
- Projects may be submitted until **November 15, 2022** and may complete in the next year – so keep the projects rolling in all year!
- Rollover projects must complete by **May 31** of the following year, or will be subject to cancellation.



Two curved lines, one red and one dark red, arching across the top of the slide.

# CONTACT INFORMATION

# Contact Information



Kim Hooper

[Kim.hooper@oncor.com](mailto:Kim.hooper@oncor.com)

214-486-3158

EEPM Help Desk

[eepmsupport@oncor.com](mailto:eepmsupport@oncor.com)

866-258-1874

Matt Taylor

[Matt.Taylor@oncor.com](mailto:Matt.Taylor@oncor.com)

214-486-5488

Insurance Coordinator

[eepminsurance@oncor.com](mailto:eepminsurance@oncor.com)

[866-258-1874](tel:866-258-1874)

Ron Haskovec

[Ron.Haskovec@oncor.com](mailto:Ron.Haskovec@oncor.com)

214-486-5160



THANK YOU!

2022 COMMERCIAL PROGRAM KICK-OFF PRESENTATION