

# Welcome

2025 SOLAR KICKOFF PRESENTATION



Chris Cook & Terry Manning| 01-23-25

# Meet Your Solar Team



Paul Jacks  
Operations Manager



Chris Cook  
Sr Program Manager



Terry Manning  
Inspections Manager

2024 Program Overview

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2025 Program Updates

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Service Provider Requirements

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Reminders and Quick Tips

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Inspections

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DG Interconnection

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Contact Us

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# Agenda

2025 SOLAR KICKOFF PRESENTATION

# 2024 Overview

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average kW

**5.2**



incentives paid

**\$1,443,690**



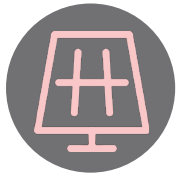
average kWh

**16,821**



total projects

**231**



# 2024 Residential Solar Overview

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# 2025 Update

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# 2025 Update

## What is the same from 2024:

- Battery storage requirement remains in effect for residential solar
- Residential solar incentive maximum is \$9000
- Funding levels similar to the previous year

## What changed from 2024:

- Licensure: Service provider must have electrical contractor license or subcontract all installation work to licensee with current and valid Texas electrical contractor license
- Second project not required for commercial solar incentive

### Residential program:

- Can have 20 residential solar projects in progress simultaneously
- No limits on azimuth angle
- Shading study not required until inspection is complete

### Project timelines:

- Must reserve funds within 14 days of creating a project or will be canceled
- Residential solar projects have 60 days to construct from the time funds are reserved
- Commercial solar projects have 90 days to construct from the time funds are reserved



# Program Deadlines

- Both the residential and commercial solar options are now open for both applications and project submittals.
- All projects must be submitted as construction-complete and be inspection-ready by November 30, 2025, to be eligible for incentive.
- To be eligible for the incentive, all projects must be approved (SR Approved) by December 7, 2025.





# Budget and Budget Caps

## Budget

- Residential Budget approximately \$1.4 million.
- Commercial Budget approximately \$500,000.

## Program Budget Caps

- A Service Provider, including affiliates, will be limited to 30% of the budget for a program.
- The cap can be raised as needed and will increase if additional funds are added to the budget.

# 2025 Minimum and Maximum

## Residential (per ESI ID)

- Maximum DC kW project size is 15 kW DC
- Maximum incentive is \$9000

## Commercial (per ESI ID)

- Eligible systems must be a minimum of 10 kW – 450 kW DC (updated) or 75% of Peak Demand, whichever is less.
- Projects over 450 kW DC of installed capacity are not eligible for an incentive
- Maximum incentive amount is \$120,000

## Commercial and Residential

- A site that has a solar array installed it is not eligible for any future incentive whether or not it participated in the incentive program
- Note: This program considers only the size of the solar PV system and not a combination of solar PV and energy storage.
- No exceptions to policy will be approved to construct systems outside of these limits.

# Service Provider Requirements

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# Service Provider Requirements

## Service Provider

- A service provider is a Solar PV installer, a Self-Sponsor, or a Retail Electric Provider. A Self-Sponsor, only available in commercial, must demonstrate that it has the ability and personnel to manage a solar installation.
- Only the entity that signs up in EEPM will receive the incentive.

## Requirements

- Solar providers must have a valid and current Texas electrical contractor license or subcontract all installation work to licensees. If work is subcontracted to licensees, the licensees must be listed in EEPM.
- Identify if affiliated with other service providers.
- Update your Profile and sign/submit a new Program Application for each option.
- Demonstrates the ability to meet program requirements and meet deadlines successfully.
- Currently eligible to participate in Oncor Energy Efficiency programs.

# Service Provider Requirements cont.

## Requirements

### Insurance

- Workers' Compensation
- General Liability
- Automobile Insurance
- Applications will not be approved until insurance is approved/current
- Know your expiration dates!
- Check your EEPM dashboard for the insurance status
- Allow at least 1 week for renewals
- Only the insurance agent should email the renewal to [EEPMINSURANCE@ONCOR.COM](mailto:EEPMINSURANCE@ONCOR.COM)
- Have your agent copy you on the email if you want updates



# Affiliate Rules Review

## Affiliate Rules

- Any Service Provider that is affiliated with another Service Provider must be listed in EEPM profile
- An Affiliate as defined by the Texas PUC rule 25.181 (c) (1) :
- A person or corporation who owns at least 5% of the Service Provider
- A person who exercises substantial influence and/or control over the Service Provider
- A person who is related by ownership, blood, or by action and has substantial influence over the Service Provider
- The complete rule is not listed above. Refer to the statute provided for a complete definition
- Also a company that shares office space, staff, marketing, phone numbers, resources, equipment, or any other resources that appear to make the Service Providers connected
- Affiliate service providers fall under the same caps for open projects and budgets.



# Timelines and Program Guidelines

## Timelines

- Project must reserve funds within 14 days of project creation, or it will automatically be canceled
- Residential projects have 60 days to complete construction once funds are reserved
- Commercial projects have 90 days to complete construction once funds are reserved
- No extensions will be granted— the project will be canceled, and you can resubmit the project provided that funds are still available

## Installation

- Properties with already existing solar are not eligible for solar incentives even if new solar is being installed
- The service provider must reserve funds (by signing a reservation of funds agreement) before beginning construction. If a project begins construction before funds are reserved, it will be canceled in EEPM and will be ineligible for an incentive.

# Signatures and Incentive Calculations

## Signatures and Documents

- Electronic signatures preferred
- Customer must sign both the host agreement and the installation notice

## Incentive Calculations

- All Projects will use PVWatts, resulting in incentive amounts being unique for each install
- EEPM will calculate savings and incentive
- Updates need to be done before inspection. Make sure that the EEPM data matches photos and match what was installed



ELECTRONIC SIGNATURE

# Communications with Customers

## Customer Education

- Clear up confusion
- Assist with and explain the Interconnection process
- Oncor reads the meter and passes the readings to the Retailer, who then bills the customer based on the plan they are enrolled in
- Oncor does not guarantee incentives
- If you have third-party sales representatives, keep track of what they tell the customer
- Customers want to know who will receive the incentive and the incentive amount
- Customer complaints can and will affect continued participation
- Customers will still receive an electricity bill even if they sell electricity back to their retail electric provider

## The Retail Electric Provider (REP) Role:

- <http://www.powertochoose.org/>

# Subcontractors

- Subcontractors have to be listed in EEPM
  - Providers that do not keep the list up to date are subject to lock-out and possible termination as warranted; this includes outside sales companies
  - If you install for another Provider, you must be registered as a sub for them; if not listed, it could cause you both to be locked out
  - Responsibility of Providers to verify with the PM that subcontractors are eligible to work in Oncor’s programs
  - An approved Service Provider can only serve as a sub for one other Service Provider for projects submitted in the program
  - Failure to identify subcontractors – will be locked out until Profile is updated
  - What are subs? – any other company doing work for you on projects in EEPM
- The inspection team will spot-check project sites to verify companies installing
- Service Providers responsible for all work at the customer’s site, including communicating with the customer and managing any issues caused by subs

# Cybersecurity

- Ensure that all employees asking for information are listed in the employees section of EEPM
- Ensure that each employee with access has his / her own login to EEPM
- Please notify EEPM support when an employee no longer needs EEPM access
- Photos of installed equipment should not have passwords showing
- Prefer use of tax ID number instead of social security number whenever possible
- Program manager may enforce electronic signatures only for documents rather than wet-signed copies



# Banking



- Ensure that all information in the “vendor information” tab in EEPM is correct.
- Direct deposit is no longer an option for solar incentive payments—checks will be mailed for all incentives. If you currently have direct deposit, you are grandfathered in until bank information changes, at which point payments will be delivered by check.
- Ensure W-9 is current and up to date.
- Notify the solar program manager if there are any changes to your W-9.





# Reminders & Quick Tips

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# The Following Items Will Be Checked Strictly:

- W-9 information is current and up to date
- Submittals in FA Open status reserve funds in a timely manner or will be canceled
- Submittals in IN Open status complete in a timely manner
- Shading report, EEPM “measure” tab information, and photo submittals match
- End of year cutoff date will be strictly enforced
- Communications from service providers are from registered and known e-mails

# Common Reasons for Project Submittals Being Returned

- Tilt angle and azimuth angles do not match on the shading study, photo measurements, and EEPM measures tab data
- Shading study data does not match EEPM measures tab data.
- Some shading study packages round all decimals– this is ok for shading studies.
- Panel counts in photos do not match the shading study or EEPM measures tab data
- Dispatch letter from a customer showing battery discharge hours is not submitted

# Common Reasons for Applications Being Returned

- Appropriate licenses are not listed. Show license type, license number, and license name.
- Employee data does not list the name, title, and phone number of employees who will have access to EEPM or communicate with the solar program manager
- Proof of two complete projects with other required information: This tab is often not filled out completely or only lists one project.
- For evidence of financial strength, the application shows years of out-of-date information. Safe harbor: Provide one sentence stating, “2024 revenues were more than \$XXX,XXX.” If the firm is new and has no past year revenues, provide one sentence stating, “Firm XYZ has been capitalized over \$XXX,XXX.”

# Shading Study

- Must clearly show at least:
  - Number of panels in each array
  - Tilt angle
  - Azimuth angle
  - Solar access percentage
- The information must match the data in the EEPM measures tab and the photo submittals
- For the shading percentage in EEPM, subtract the solar access percentage from the shading study from 100. For example, if the solar access percentage is 95% in the shading study, the shading percentage in EEPM is 5%.
- Use the solar access percentage– not the TOF or TSRF
- The shading percentage will default to a minimum of 3% even if the shading is less than 3%. Please use the 3% default will all IA and FA submittals.
- The shading study app may round decimals– this is ok
- The shading study is not required until after installation but may be submitted before

# Crash Landings

- ❑ Not communicating in a timely manner with the program manager
- ❑ Not following the program manual
- ❑ Changing or falsifying documentation
- ❑ Not keeping W-9, EEPM vendor information, and banking information updated
- ❑ Beginning construction before reserving funds
- ❑ Beginning construction on a solar project when the project is still waitlisted
- ❑ Submitting a project for incentive where solar is already existing
- ❑ Constructing a system outside of the established eligibility criteria
- ❑ Sales force representing themselves as “part of Oncor” or “contracted by Oncor”
- ❑ Repeated calls and complaints from customers
- ❑ Telling customers that they will no longer receive an electricity bill





# Incentives– Not Rebates

- Incentives move the customer to install the measure.
- Rebates are done after the product is purchased with proof of purchase.
- Oncor does not give rebates– please contact your installer or manufacturer for these.
- Oncor does pay incentives.



# Other Information

- A permit to operate does not have to be issued to apply for incentive– you only have to file the tariff application
- Questions about insurance: send email to [EEPMINSURANCE@ONCOR.COM](mailto:EEPMINSURANCE@ONCOR.COM)
- Technical assistance with EEPM: send email to [EEPMSUPPORT@ONCOR.COM](mailto:EEPMSUPPORT@ONCOR.COM)
- Questions about interconnect: send email to [DG@ONCOR.COM](mailto:DG@ONCOR.COM)

# Inspections

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# Inspections 2025

## Inspections Checklist

- Make sure the Customer and Inspection Contact phone numbers are correct before submitting a project for inspections.
- You must provide both Customer and Provider contact information within EEPM. The project will be rejected if you list the Provider's contact information as the customer's inspection contact.
- Information reported within EEPM must match the photos provided rather than data within the shading analysis.

## Photos

- Good, clear photos allow inspectors to process the projects faster. If the photos and documents provided are clear, the inspector will perform a desk-review inspection of the project. Take pictures from a distance so that we can easily determine which side of the home panels are installed.
- Module label photos must be from each site. Do not use stock photos or the same photo for multiple projects.

## Verification Tool

- Google Earth is used for verifying azimuth reported for all desk review projects

# Reporting Azimuth

- ❑ In most cases the azimuth should be 90 degrees from one side of the home to the other. In this example, we will not accept 115, 116, and 203. The azimuth should be 113 and 203, 115 and 205, or 116 and 206.
- ❑ Report the azimuth in whole numbers.

Model	Tilt	Azimuth	Tracking
Q.PEAK DUO BLK ML-G10+ 405	17.85	116.00	Fixed (Roof Mount)
Q.PEAK DUO BLK ML-G10+ 405	33.6	203	Fixed (Roof Mount)
Q.PEAK DUO BLK ML-G10+ 405	33.90	115.00	Fixed (Roof Mount)

## Reporting Tilt

Please make sure the tilt measurement reported within EEPM matches the photo provided. If it differs from the photo, please do not use the shade report as a reference.





# Direction facing unknown



# Direction facing unknown

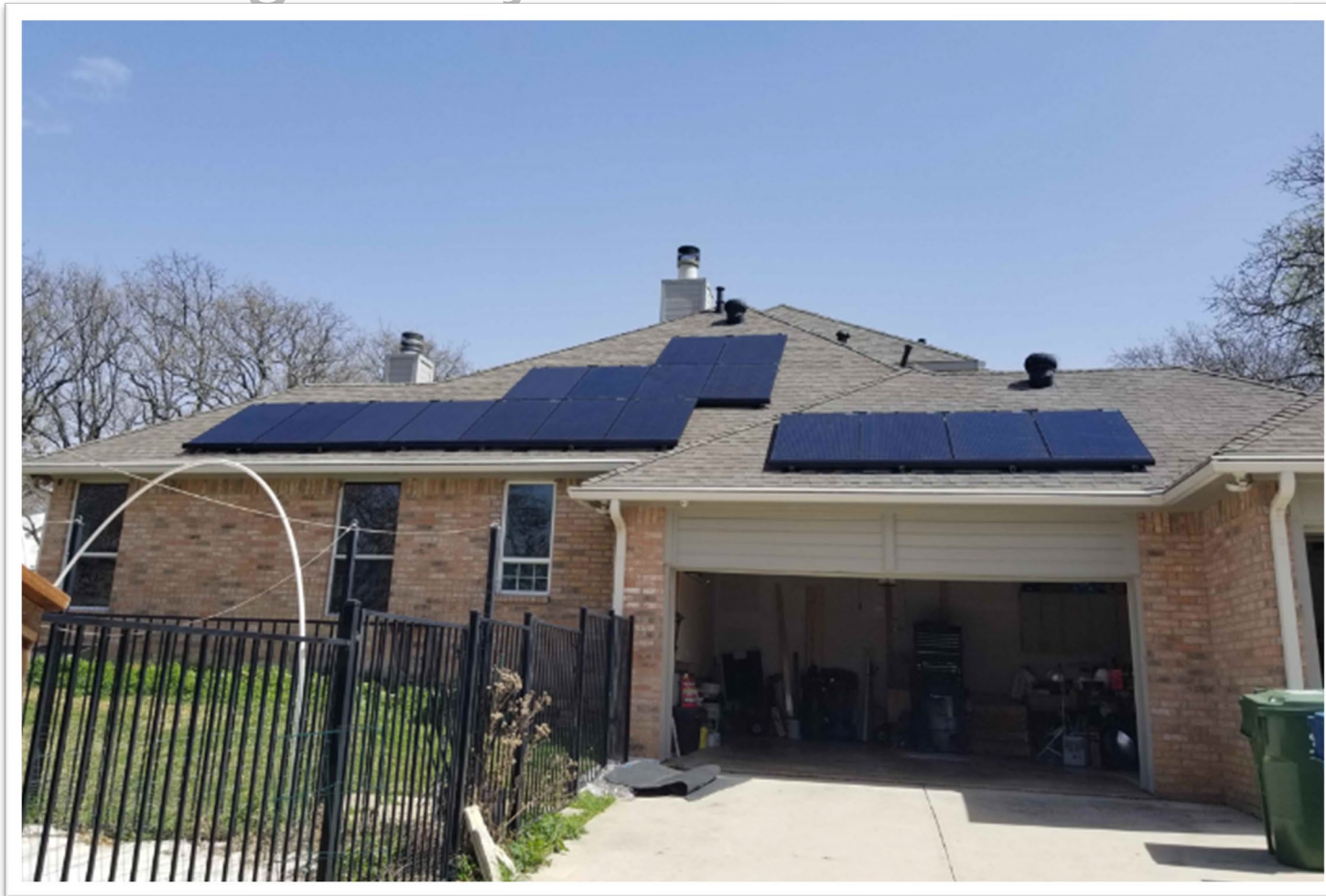




# Direction facing easily determined



# Direction facing easily determined





# Array Photos – take one from a distance





# Array Photos – take one from a distance

Facing which direction?



Panels on the right side of home if facing house

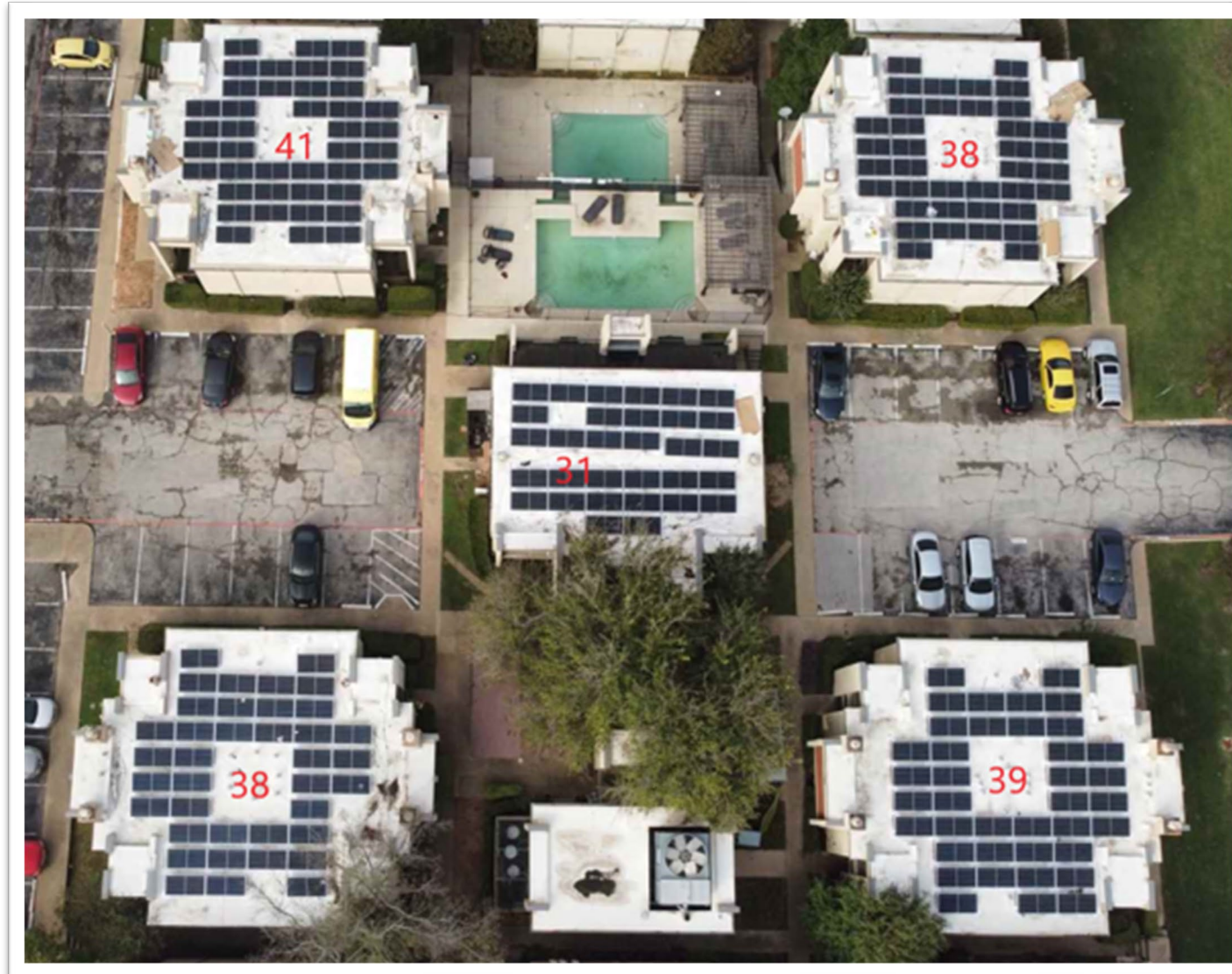




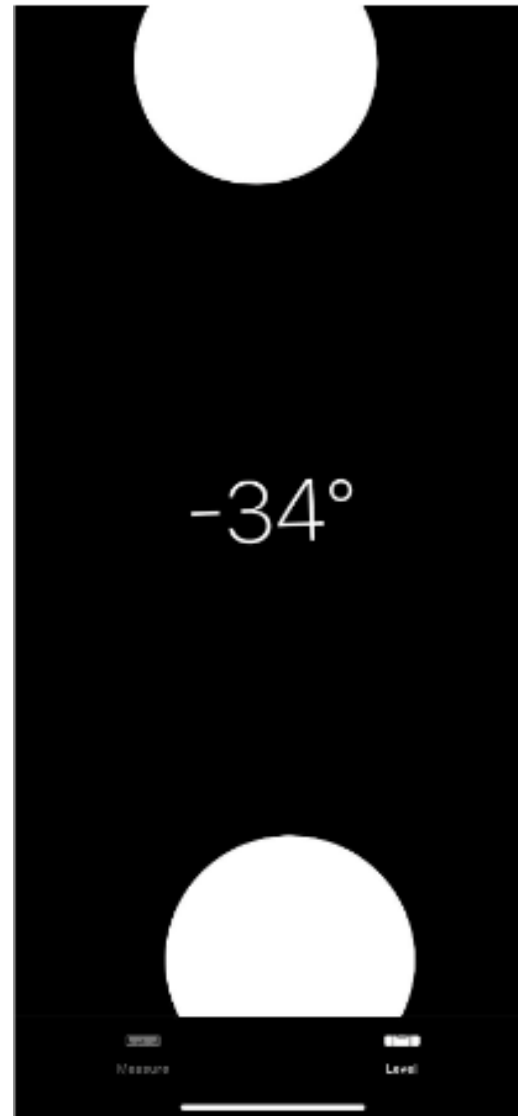
# Array Photo Examples



# Array Photo Examples



# Tilt measurement examples (Not acceptable)





# Tilt measurement examples (Not acceptable)

Please use a digital device.





# Tilt measurement example



# Tilt measurement example

If the measurement indicates 38.96, report 38.96, not 39



## Tilt measurement example



# Asset Planning DG Resource Integration (“DG Group”)

Presenters by Matthias Wilson, Corwin Calloway and Daniel Sanchez

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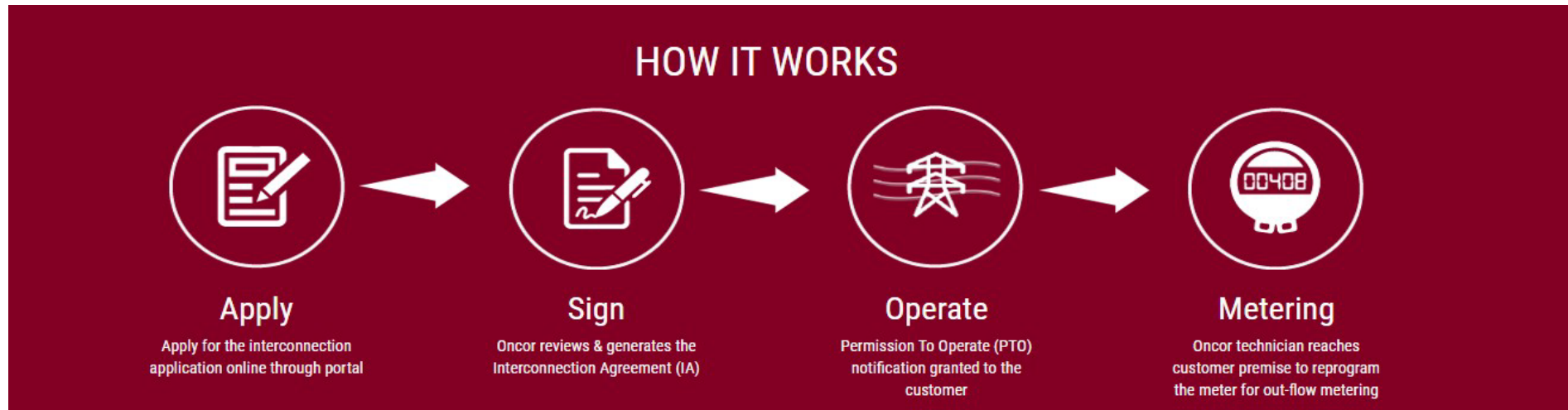
# DG INTERCONNECTION PROCESS

## What We Do

The Oncor DG Group partners with Customers and their Installers to track and approve the interconnection of solar and other DG projects in compliance with applicable technical standards and PUCT rules that together help ensure safe and reliable operation with the Oncor distribution system.

## Our Approach

Provide a simple application process with direct access and tracking.



# DG TARIFF APPLICATION REQUIREMENTS

- All solar and other DG projects are required to complete the interconnection process with Oncor **before operating the system**
- The process starts with submitting a complete **Tariff Application** that provides details on the location, equipment, and configuration
- **Pre-certified equipment preferred**, other non-certified systems will require additional details and service study
- **Safety requirements** include the Visible Lockable Labeled
  - Disconnect (VLLD) and Placards



# INSTALLER PORTAL LOGIN PAGE

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

**SIGN IN TO YOUR ACCOUNT**

USERNAME \*

[Forgot Username?](#)

PASSWORD \*

[Forgot Password?](#)

Remember me **SIGN IN**

**NEW INSTALLER SIGN UP**

**Solar Brochure**  
Answer to your queries of owning solar system and interconnection approval process

**Oncor FAQs**  
Read answers to some of our most frequently asked questions related to Distributed Generation

**Training Guides**  
Get step-by-step guide and additional help about navigating through the Oncor Installer Portal

**DG Projects Requirement**  
Read to understand the residential/small Commercial DG Project Requirements

# INSTALLER SIGN UP

## ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

### Installer Registration

#### Company Information

Organization Name *	Federal Tax ID *	Email Address *	Work Phone *
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Address *	City *	State *	
<input type="text"/>	<input type="text"/>	<input type="text" value="Select"/>	
Zip Code *	Fax		
<input type="text"/>	<input type="text"/>		

#### Contact Information

First Name *	Last Name *	Email Address *	Desired User ID *
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Phone Number *	Extension	Mobile Number	
<input type="text" value="(xxx) xxx-xxxx"/>	<input type="text"/>	<input type="text" value="(xxx) xxx-xxxx"/>	

#### Project Participation Interest

- **Small System** - System Capacity less than 500 kW
- **Large System** - System Capacity greater than 500 kW and less than 10 MW

Small System  Large System



# INSTALLER HOME PAGE

WELCOME ONCOR DG. YOU ARE LOGGED IN AS INSTALLER MASTER



DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING PROJECTS TRAINING GUIDES

## DASHBOARD

**47641**  
TOTAL PROJECTS

**805**  
APPLICATION AWAITING SIGNATURE

**218**  
AGREEMENT AWAITING SIGNATURE

## Application Summary



### MY QUEUE

Project Status	Project Count
Application Generated	362
Project Rejected	156
Agreement Available	1288

### ONCOR QUEUE

Project Status	Project Count
Project Submitted	496
Service Study Under Review	146
Customer Signed Agreement	9



# NEW PROJECT INTAKE

WELCOME ONCOR DG. YOU ARE LOGGED IN AS INSTALLER MASTER

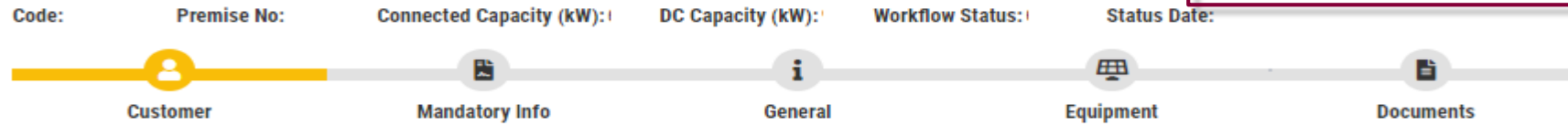


DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Comments History Close Save **Generate TA** Submit



Code: DRG-  
\* Project Name  
\* Installer  
\* Requested Energization Date: 01/05/2021

### Customer Information

Instructions for Generation Meter No: Please enter the 9 digit meter number followed by word 'LG' without any spaces in between. Expected Format: 123456789LG.

Premise No (Last 7 digits of ESIID) Customer Name Service Address Additional Name  
\* Phone Number \* Email Address \* Meter Number (Generation)

### Mailing Address

\* Same as service point address: Yes  
Address City State Zip Code

### Meter & Load Profile Status

Meter Status Load Profile Updated: NO

Continue

# KEY CONSIDERATIONS

1. One-line and Layout must reflect the exact equipment and connectivity installed.
2. Document recognition is in use to increase the efficiency of the Oncor review.
3. No automatic transfer switches or other devices are permitted within the meter base.
4. Permission to Operate is granted to installed systems only.
5. Meter accessibility information is provided to Oncor meter techs.
6. Meter and Load Profile statuses are available in the project customer tab. After PTO, please allow **30 days** for the meter reprogramming and a **full billing cycle** for the load profile update.
7. Customer participation in Retail Electric Provider buy-back and credit programs is NOT required.

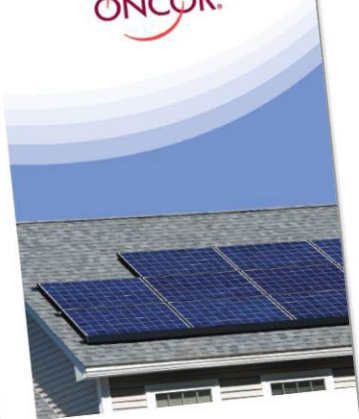




# ONCOR SOLAR BROCHURE



Thinking of  
solar power for  
your home?



## Important Information

Who Do I Contact?

Your REP

Who is Oncor?

### 1 Thinking of installing a solar system?

A homeowner must first decide if their home is right for solar. Here are some questions to ask when considering a solar system:

#### ASK YOUR INSTALLER...

- Is my roof ready for rooftop solar?
- Do I have the right amount of space for installation?
- Does my house have the right exposure to maximize solar gain?

#### ASK YOUR RETAIL ELECTRIC PROVIDER...

- Will I be charged to change my current electric plan?
- How do "buy back credits" work?
- What savings can I expect with solar?

### 3 Oncor

Within approximately 30 days, Oncor reviews the application for a certified residential system, performs a study to ensure a safe and reliable interconnection to the grid, and generates an Interconnection Agreement, to be signed by all authorized parties.



### 4 Retail Electric Provider (REP)

Customers can choose which REP they want to use and can compare plans by going to [www.powertochoose.org](http://www.powertochoose.org). It is the customer's responsibility to communicate with their REP about buy-back plans or energy credits for excess energy that is produced. Meter information including any excess generation is available to REPs with the first full billing cycle (30-60 days) following permission to operate.



### 2 Installer

Deciding on an installer (contractor) is important and may take some time. Once the installer is chosen, they will communicate with Oncor, file the application and begin the interconnection process. The time frame for installation can take a few days to a few months.

# DG GROUP CONTACTS

Inquiry Type	Contact Details
Interconnection and Process Inquiries	<a href="mailto:DG@Oncor.com">DG@Oncor.com</a>
Portal Functionality Issues	<a href="mailto:OncorSupport@anbsystems.com">OncorSupport@anbsystems.com</a>
Solar Customer Support	<a href="tel:1.866.728.3674">1.866.728.3674</a>



# Contact Information

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# Contact Information

Solar Program Manager

Christopher Cook, P.E.

682-300-1698

[Christopher.cook@Oncor.com](mailto:Christopher.cook@Oncor.com)

EEPM Help Desk

(866) 258-1874

[support@oncoreepm.com](mailto:support@oncoreepm.com)

Insurance

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

Solar Inspection Manager

Terry Manning

(214) 486-4624 office

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







thank you