

DISTRIBUTED GENERATION DG INTERCONNECTION PROCESS

2019 Solar Program Kickoff Webinar
December 18, 2018

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

WE DELIVER.



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.

HOW IT WORKS



Apply

Apply for the interconnection application online through portal



Sign

Oncor reviews & generates the Interconnection Agreement (IA)



Metering

Oncor technician reaches customer premise to reprogram the meter for out-flow metering



Operate


Permission To Operate (PTO) notification granted to the customer

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
- Document requirements for the one-line diagram and layout sketch are provided in the Installer Portal



INSTALLER PORTAL LOGIN PAGE

 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

New Installer Sign up DISTRIBUTED GENERATION INTERCONNECTION PORTAL

Company Details

Name	Federal Tax Id	Email Address	Work Phone
<input type="text" value="COMPANY NAME"/>	<input type="text" value="XX-XXXXXXX"/>	<input type="text" value="COMPANY EMAIL"/>	<input type="text" value="(XXX) XXX-XXXX"/>
Address	City		State
<input type="text"/>	<input type="text" value="CITY"/>		<input type="text"/>
Zip	Fax		
<input type="text" value="XXXXX-XXXX"/>	<input type="text" value="(XXX) XXX-XXXX"/>		

Contact Details

First Name	Last Name	Email Address	Desired User Id
<input type="text" value="FIRST NAME"/>	<input type="text" value="LAST NAME"/>	<input type="text" value="YOUR EMAIL"/>	<input type="text" value="DESIRED USER ID"/>
Phone	Extension	Mobile	
<input type="text" value="(XXX) XXX-XXXX"/>	<input type="text" value="XXXX"/>	<input type="text" value="(XXX) XXX-XXXX"/>	

Project Participation Interest *

Small Systems Projects - System capacity less than 500kW Large Systems Projects - System capacity less than 10MW

[Solar Brochure](#) [Oncor FAQs](#) [Training Guides](#) [DG Project Requirements](#)

Answer to your queries of owning solar system and interconnection approval process. Read answers to some of our most frequently asked questions related to Distributed Generation. Get step-by-step guide and additional help about navigating through the Oncor Installer Portal. Read and understand the residential/small Commercial DG Project Requirements.



INSTALLER HOME PAGE



01/09/2018 03:04:32 PM , Environment: Production | [Email Support](#)

ONCOR. HOME PRESCREENING **PROJECTS** TRAINING GUIDES Welcome, Oncor DG (Installer Master) ▾

MY DASHBOARD

Project Progression Summary

[Export Data](#)

Category	Value
Project Submitted	1.0
Project Rejected	1.0
Project Under Review	1.0
IA Generated	0
IA eSignature	0
IA Approved	0

Pending e-Signatures

[Show All](#) [<](#) [>](#)

[Send Reminder](#)

Oncor Installer

Installed Capacity

0.001 Storage Capacity (kWh)	0.001 Total Battery Capacity (kW)
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PROJECT LIST



PROJECTS

MY PROJECTS ▾



+ Add New Project

Project ... ▾	Project ... ▾	Custom... ▾	Customer A... ▾	Premis... ▾	Progra... ▾	Status ▾	Status ... ▾	Capacit... ▾	Type of ... ▾	Type of ... ▾	Action
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	



NEW PROJECT INTAKE



12/14/2018 10:42:04 AM , Environment: Production | [Email Support](#)

[HOME](#)

[PRESCREENING](#)

[PROJECTS](#)

[TRAINING GUIDES](#)

Welcome, Oncor DG (Installer Master) ▾

PROJECT NAME : test CODE : DRG- XXXX STATUS : New

Workflow ▾



CUSTOMER



MANDATORY INFO



GENERAL



EQUIPMENT



DOCUMENTS

Project Name *

test

Requested Energization Date *

11/16/2018

Premise No (Last 7 digits of ESID) *

[Get Information](#)

Customer Name *

Company Name

Additional Name

Service Address

Street *

City *

State *

Texas ▾

Zip Code *



KEY CONSIDERATIONS

1. No Installed System, No PTO

- The system must be installed when Customers sign their Interconnection Agreement.
- Avoids sending Oncor Meter Techs for programming when there is no solar present.

2. PTO, now what?

Account changes occur over the next full billing cycle, generally 30-60 days from the PTO.

3. Help remind Customers to contact Retail Electric Providers about any Buy-Back Programs and Credits.

4. In order to ensure communication with the customer, interconnection project status updates and the final PTO will be sent to Customers' email address.



SOLAR BROCHURE



Important Information

Who is Oncor?

Oncor is an electric transmission and distribution service provider that serves more than 10 million Texans. Oncor works with customers and their designated installers (contractors) to ensure a safe and reliable interconnection.

What about savings?

Homeowners can benefit from the rooftop solar system producing 'homegrown' electricity. These systems offset a portion of your electric usage.

What is Distributed Generation (DG)?

DG is the interconnection of an electrical generating facility (like solar or wind power) located at a customer's point of delivery (their house).

An example of DG is when a homeowner installs a solar system.

What happens when the sun isn't shining?

When the sun isn't shining (nighttime, clouds, shade), a house may require power from the grid.

Do I need to be connected to the grid?

Most homes will still need power from the electric grid, and there will continue to be a delivery charge on customers' monthly bills to pay for the connection to the grid.



Who Do I Contact?

Your REP

for questions about billing, energy credits or existing buy-back plans.

Your Installer

for questions about pricing, installation options or equipment.

Oncor

for questions concerning distributed generation interconnections.
1.888.875.6279
Mon.-Fri., 7 a.m. - 7 p.m. CT
dg@oncor.com

For more information, visit:

www.oncor.com/dg



Thinking of solar power for your home?



ROAD MAP AND ROLES

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. 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

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