

Oncor Distribution Generation Installer Portal Training Guide



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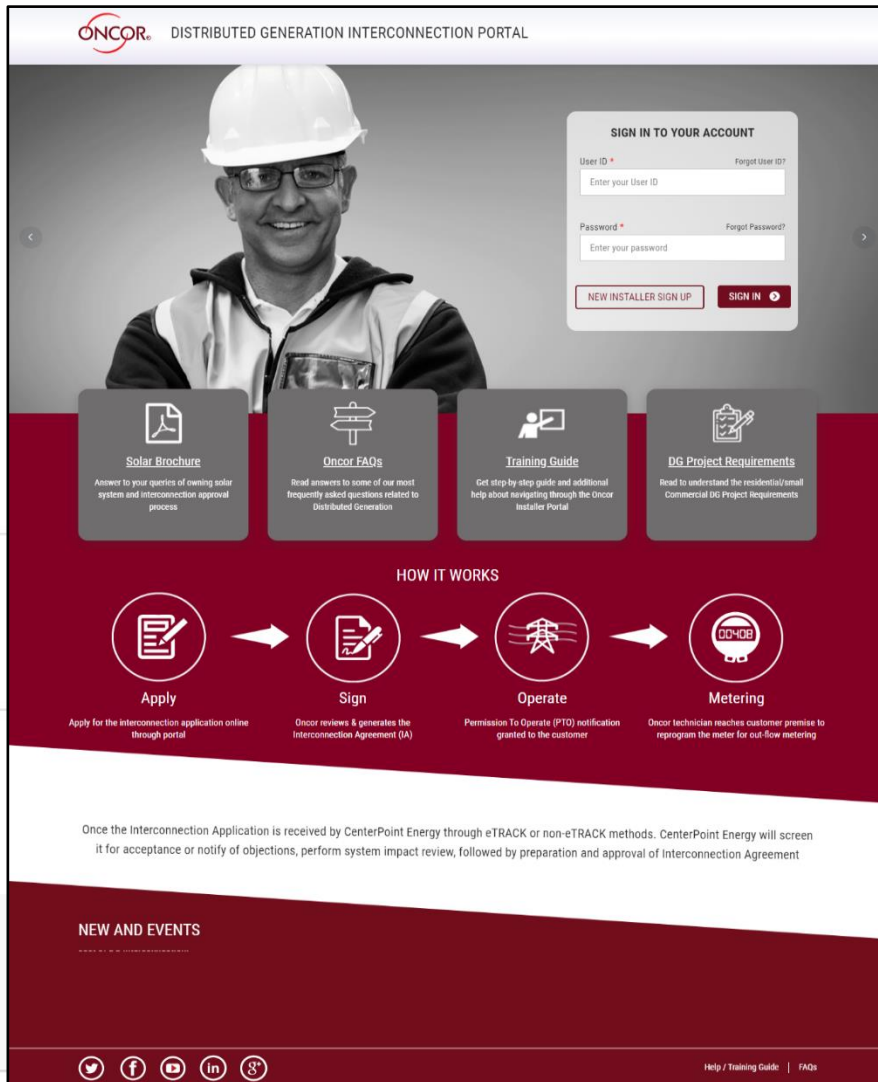
7

High Level Changes

8

Go-Solar California

1. Introduction to Oncor DG Portal



About Oncor DG Portal

Oncor DG Portal facilitates the installers and customers to submit their DG applications.

Key Features

- Self-Registration
- DG Application instructions
- Self-Explanatory
- Regenerating eSignature, swap between digital and wet sign
- Added DG Approval
- Oncor latest news and upcoming events
- Autofill Functionality
- Contact us – Reach our social media platform

2. ALL WEB PAGES – NAVIGATION, BUTTONS, FEATURES & FUNCTIONALITIES

2.1 Oncor DG Portal Landing Page



1. Enter User Name and Password
2. Click Sign-in
3. Click “New Installer Sign up” for New Registrations

- **Solar Brochure:** PUC requirements to submit the Interconnection Application package.
- **Oncor FAQs:** It contains a document of Frequently Asked Questions related to Interconnection agreements and Oncor’s services to the Installers and the Users.
- **Training Guides:** It contains a document with brief explanations of all the features, procedures, possible functionalities and processes in the Installer Portal.
- **DG Portal Requirements:** Explains the detailed documentation of Oncor

2.2 Registration Page

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

Installer Registration

[Close](#) [Save](#)

Company Information

Organization Name Federal Tax ID Email Address Work Phone

Address City State

Zip Code Fax

Contact Information

First Name Last Name Email Address Desired User ID

Phone Number Extension Mobile Number

(xxx) xxx-xxxx (xxx) xxx-xxxx (xxx) xxx-xxxx

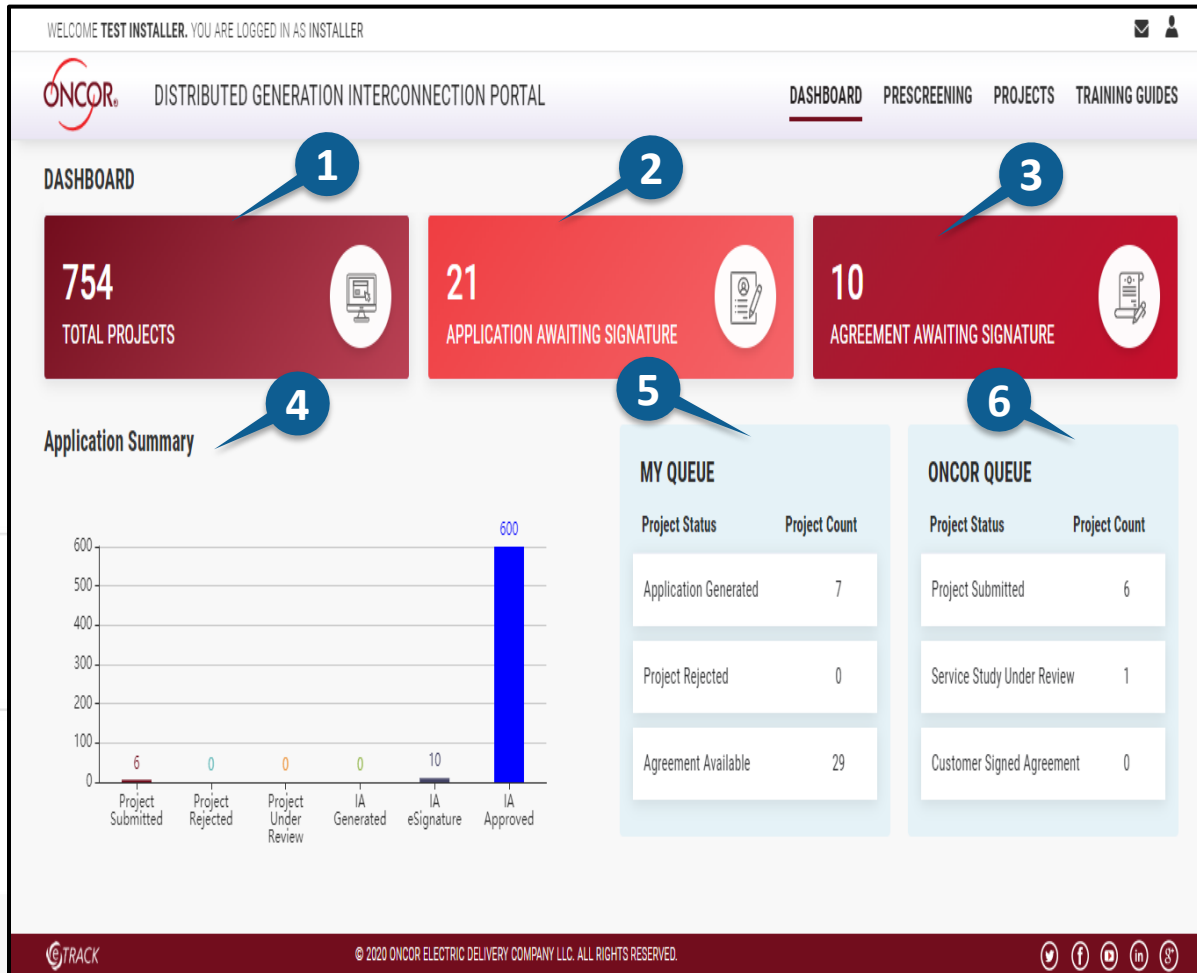
Project Participation Interest

☐ Small System ☐ Large System

[Help / Training Guide](#) | [FAQs](#)

1. Fill in all the fields required for Installer Registration
2. Click on Save and wait for the DG approval

2.3 Dashboard



- 1) Displays the count of Total Projects created by the installer organization,
- 2) Displays the count of Tariff Applications waiting for Signature
- 3) Displays the count of Interconnection Agreements waiting for Signature
- 4) Graph displays the count of applications based on its current existing workflow state.
- 5) Installers queue
- 6) Oncor's queue

2.4 Project List Page

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Project Name Type here to search

System Type *

Code	City	State	Connected Capacity (kW)	DC Capacity (kW)
DRG-30327	IRVING	TX	12.09	6.96
DRG-30316	FORT WORTH	TX	11.39	15.08
DRG-30306	CARROLLTON	TX	4.08	
DRG-30305	GREENVILLE - SU	TX	7.20	
DRG-30304	FORT WORTH	TX	3.36	
DRG-30263	ARLINGTON	TX	7.62	

Total 754 10/page 1 2 3 4 5 6 ... 76 > Go to 1

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- 1. Add Projects:** To create New projects
- 2. Export to CSV:** To download the project list as csv file format
- 3. Show/Hide Columns:** Helps user to hide/show the columns.
- 4. Project Filter drop-down:** It allows the user to refine the search criteria based on program type, Project code, project name etc.
- 5. Items Per Page:** It allows the User to select number of Projects to be displayed in single page

2.5 Project Tabs Navigation

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Code: DRG-30337 Premise No: 9999999 Connected Capacity (kW): DC Capacity (kW): Workflow Status: Created Status Date: 05/15/2020 03:38 AM

1 2 3 4 5

Customer Mandatory Info General Equipment Documents

* Type of Entity (Ownership) !

Account holder is system owner

Owner of the Renewable System

Legal Name (System Owner/Customer) System Owner Email DBA (If Applicable) System owner entity type

John Doe rajasekar@anbsystems.com Individual

End-Use Customer Information

End use customer name End use customer Email End use customer entity type

John Doe rajasekar@anbsystems.com Individual

Premise Owner Information

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1. **Green color** with “Check” mark represents that the information in that particular tab has been filled successfully by the User
2. **Yellow color** represents the Tab which is in progress by the User
3. **Grey color** represents the tab has not been completed filling by the User

2.6 Tool Bar

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDE

PROJECT

1 Comments 2 History 3 Close Save Generate TA 4 Submit

Code: DRG-30337 Premise No: 9999999 Connected Capacity (kW): DC Capacity (kW): Workflow Status: Created Status Date: 05/15/2020 03:38 AM

Customer Mandatory Info General Equipment Documents

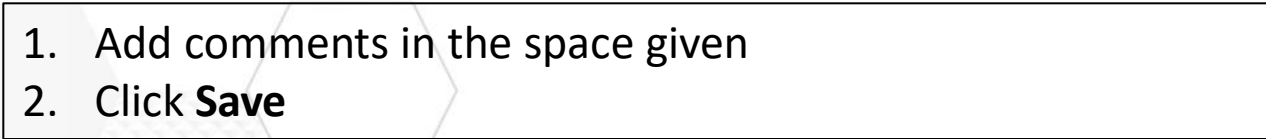
Inverter Battery with Inbuilt Inverter Wind Turbine with Inbuilt Inverter Synchronous Induction

Instructions: Please click the 'Add New' button to add the inverter details. Solar / Battery / Wind Turbine equipment can be added after adding inverter equipment. If you wanted to add Battery or Wind Turbine which has integrated or inbuilt inverter, please add under respective equipment section.

Add New

5 Back 6 Continue

1. **Comment box** contain all the comments related to the Project. Clicking on it allows the user to add/view comments and filter comments based on User ID, Timeline and Comments Type
2. **History** displays the transitional history view of the timeline of comments and the project
3. **Close** will Exit the application and lands in the project list page
4. **Submit** allows the user to submit the application, based on the **Workflow status** selected from the drop-down
5. **Back button** will take the User to the Previous tab
6. **Continue button** allows the user to save and proceed the application



2.8 Comments – Timeline View

Transition History View

Total Elapsed Time: 1 Day

Timeline ☒ Process Flow 

05/16/2020
12:30 PM



Waiting...

1

Workflow Status
Awaiting Oncor Approval

Owner
Installer, Installer Master, Test Installer

Total Elapsed Time

SLA
1 days



05/15/2020
08:21 AM



05/16/2020
12:30 PM

1

Workflow Status
Created

Owner
Installer, Installer Master, Test Installer

Total Elapsed Time
1 day

SLA



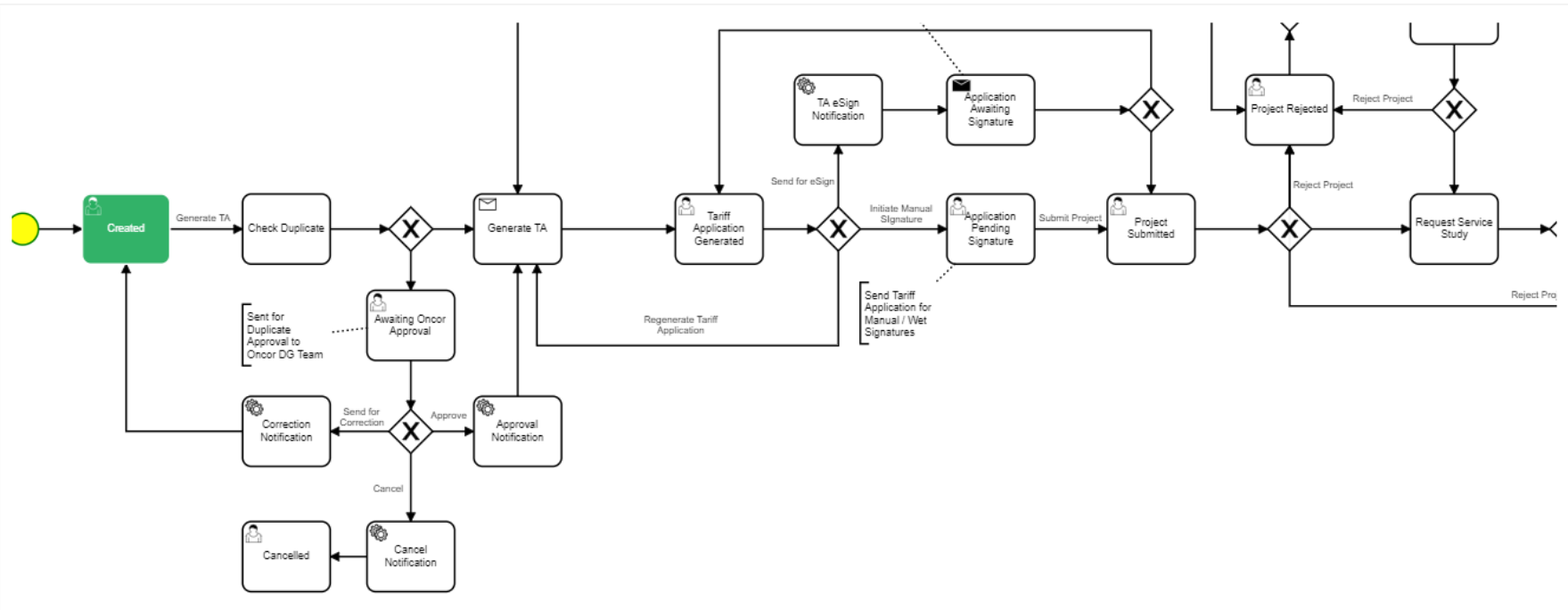
2.8 Comments – Process View

Transition History View



Total Elapsed Time: 1 Day

Timeline ☒ Process Flow



2.9 Account Menu Bar

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR® DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS**

PROJECT [Comments] [History] [Close] [Save] [Generate TA]

Code: DRG-30337 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 0.29 Workflow Status: Created Status Date: 05/15/2020 03:38 AM

1 2 3 4 5
Customer Mandatory Info General Equipment Documents

Code: DRG-30337 * Project Name: Test Project * Installer: Synaptic Solar * Requested Energization Date: 05/15/2020

Customer Information

Click on icon to search and include the customer information.

Premise No (Last 7 digits of ESIID): 9999999 Customer Name: John Doe Service Address: 123 MAIN STREET, DALLAS, TX - 75039 Additional Name:

* Phone Number: (214) 124-2314 * Email Address: rajasekar@anbsystems.com

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1. Click to User Menu Icon (To access) below:

- **My profile**
- **Announcements**
- **Sign Out**

2.10 My Profile

WELCOME **RAJASEKAR LN**. YOU ARE LOGGED IN AS INSTALLER

ONCOR® DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS**

1

Profile
My Organization
Sign Out

RL
Change

Rajasekar LN
Installer

a **b** **c**

My Profile

Details Contact Details Change Password

Cancel Save

First Name *
Rajasekar

Middle Name

Last Name *
LN

User ID *
rajinstaller

Organization *
Oncor Electric Delivery

Gender

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TRACK

ANB SYSTEMS energizing solutions

1. Click on My Profile

- View Personal Details
- View Contact Details
- Change the Password

2.11 My Organization

WELCOME RAJASEKAR LN. YOU ARE LOGGED IN AS INSTALLER

ONCOR® DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING PROJECTS

1

Profile
My Organization
Sign Out

Edit Organization

a General **b** Address **c** Users

Organization Type *
Utility

Name *
Oncor Electric Delivery

Federal Tax Id *
43-2432432

Contact Name

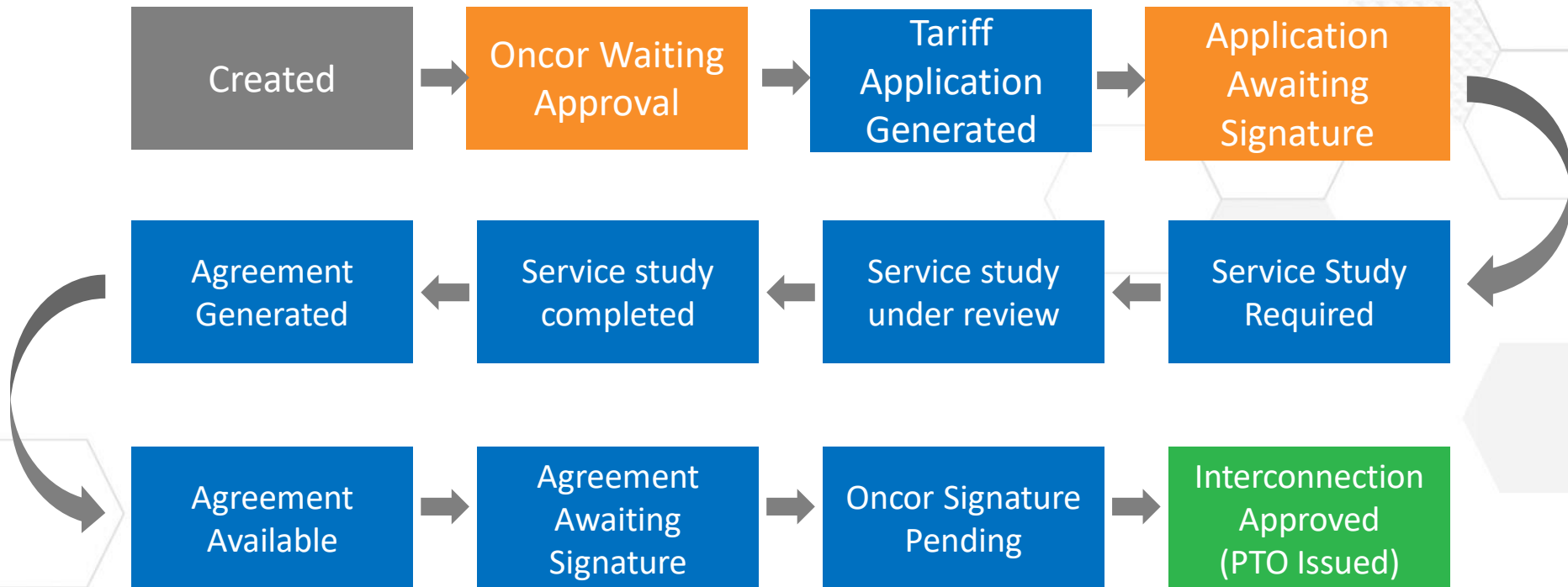
Email ID

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- View Organization Information
- Add/Edit/Delete the Billing Address
- Add new users, Edit/Delete existing users, View current users and Reset their Password

3. PROJECT WORKFLOW

3.1 Small Systems Workflow



- Oncor Waiting Approval occurs only if it is a duplicate project
- Application Awaiting signature- eSignature
- Application Pending signature- Manual signature
- Agreement Awaiting Signature – “Account holder is system owner” option
- TPOS Agreement Awaiting Signature – Other options of IA Entity Type

4. NEW INSTALLER SIGN-UP AND APPROVAL PROCEDURE

4.1 New Installer Sign Up Form

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

Installer Registration

[Close](#) [Save](#)

Company Information

Organization Name Federal Tax ID Email Address Work Phone

Address City State

Zip Code Fax

Contact Information

First Name Last Name Email Address Desired User ID

Phone Number Extension Mobile Number

(xxx) xxx-xxxx (xxx) xxx-xxxx (xxx) xxx-xxxx

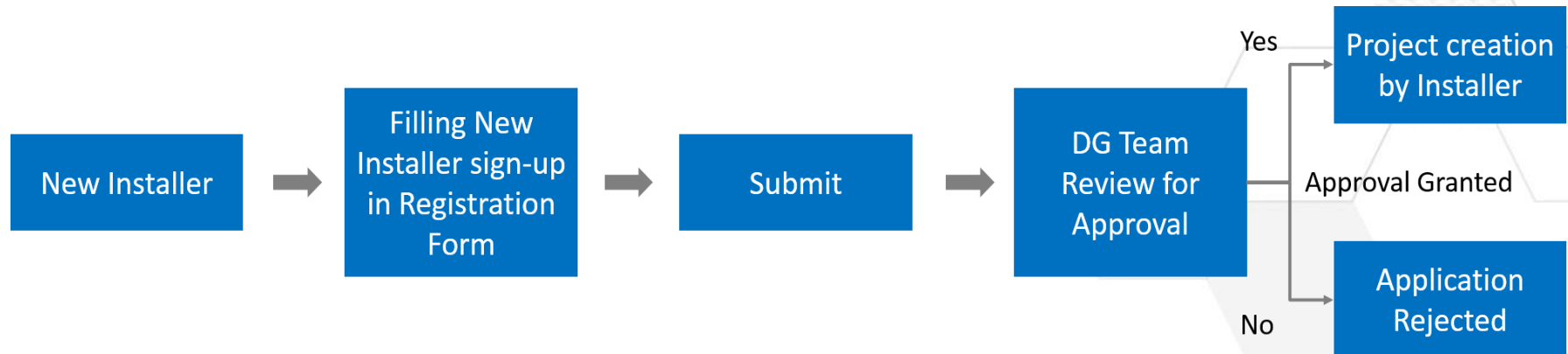
Project Participation Interest

☐ Small System ☐ Large System

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1. Fill in all the fields required for Installer Registration
2. Click on **Save** and wait for approval

4.2 Approval Procedures



Step 1: The New Installer will complete the registration in “New installer Sign-Up Registration Form”

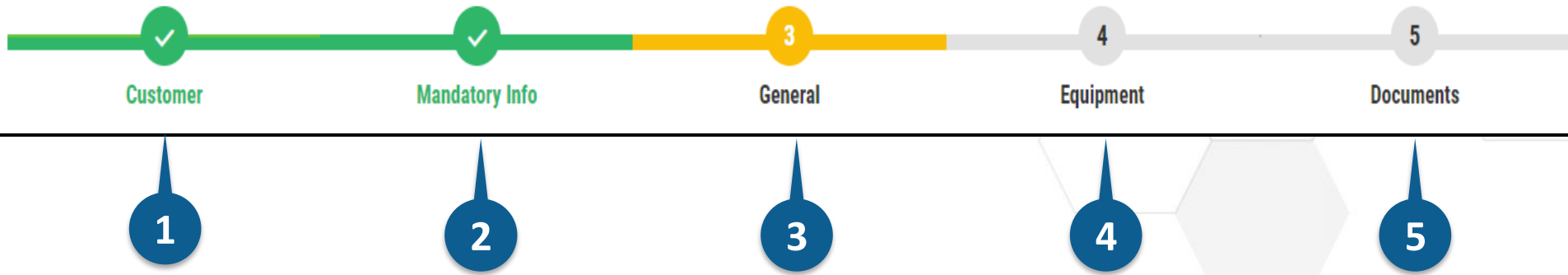
Step 2: Click Submit after filling the form

Step 3: After submitting the Installer’s sign-up form, it will be sent to the DG Group for approval

Step 4: Until the Installer is approved by the DG team, projects cannot be created by the Installer. However, the Installer can view the Dashboard and other things.

5. INTRODUCTION TO TABS IN THE PORTAL

5 Introduction to Tabs in Portal



Five Tabs for creating project:

1. Customer
2. Mandatory Info
3. General
4. Equipment
5. Documents

6. PROJECT CREATION

6.1 Customer Tab

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT Close Save

Code: Premise No: 9999999 Connected Capacity (kW): DC Capacity (kW): Workflow Status: Status Date:

1 2 3 4 5
Customer Info General Equipment Documents

Code * Project Name * Installer Synaptic Solar * Requested Energization Date Select

Customer Information

Click on icon to search and include the customer information

Premise No (Last 7 digits of ESID) Customer Name Service Address Additional Name
9999999 John Doe 123 MAIN STREET, DALLAS, TX - 75039

* Phone Number * Email Address
(879) 888-9989 anbsystems.com

Mailing Address

* Same as service point address
☒ Yes

Address City State Zip Code
123 MAIN STREET DALLAS TX 75039

Meter & Load Profile Status

Meter Status Load Profile Updated
NO

Continue

1. Enter the project name, choose the installer and select the Requested Energization date
2. Search and add the premise by clicking the magnifier icon, enter phone number and email address
3. If the mailing address is same as the Service point address select Yes, if no please provide.
4. Meter & Load Profile Status
5. Click **Continue**

6.1 Customer Tab – Add Premise

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR® DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT Select Customer

Code: Prem

Premise No *

9999999

Go

	Premise No	Customer Name	Address	City	State	ZIP Code	Meter Number
☐	9999999	John Doe	123 MAIN STREET	DALLAS	TX	75039	55SLG

Total 1 10/page < 1 > Go to 1

Cancel Add

Premise No (Last 7 digits of ESIID) Customer Name Service Address Additional Name

* Phone Number * Email Address

1. Enter correct the 7-digit premise number
2. Click on **Go**
3. Select the correct premise record from the listed customer record
4. Click on **Add**

6.2 Mandatory Info Tab

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT [Comments] [History] [Close] [Save] [Generate TA] [Submit]

Code: DRG-30338 Premise No: 9999999 Connected Capacity (kW): DC Capacity (kW): Workflow Status: Created Status Date: 05/15/2020 08:21 AM

1 2 3 4 5

Customer Mandatory Info General Equipment Documents

* Type of Entity (Ownership)
Account holder is system owner

2

Owner of the Renewable System

Legal Name (System Owner/Customer) System Owner Email DBA (If Applicable) System owner entity type
John Doe rajasekar@anbssystems.com Individual

3

End-Use Customer Information

End use customer name End use customer Email End use customer entity type
John Doe rajasekar@anbssystems.com Individual

4

Premise Owner Information

Property owner is same as end-use customer
☒ Yes

Premise Owner Name Premise owner Email Relationship between customer & owner
John Doe rajasekar@anbssystems.com Owner

* Premise Owner Entity Type
Individual

5

Authorized to Release Information

* Project Manager Name * Project Manager Email * Project Manager Phone

Electrical Contractor Name Electrical Contractor Email Electrical Contractor Phone

Consultant Name Consultant Email Consultant Phone

6

Authorized to Release Information - Other

'Other' Name 'Other' Email 'Other' Phone

7

Back Continue

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1. Select the Entity Type
2. Fill the fields under Owner of the Renewable System
3. End-Use Customer Information
4. Under Premise Owner Information, If we select "Yes" for "Property owner is same as end-use customer" the fields under will be auto populated
5. Fill the fields under Authorized to Release Information
6. Fill the fields under Authorized to Release Information - Other
7. Click **Continue**

6.3 General Tab

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER



DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD

PRESCREENING

PROJECTS

TRAINING GUIDES

PROJECT

Comments

History

Close

Save

Generate TA

Submit

Code: DRG-30338 Premise No: 9999999 Connected Capacity (kW): DC Capacity (kW): Workflow Status: Created Status Date: 05/15/2020 08:21 AM



* Number of Phases

1 Phase

* Frequency

60 Hz

* Normal Operation of Interconnection

Export excess to grid

* Do you plan to export power?

No

Export (Total Inverter) Capacity (kW)

Is DG co-located with load?

Yes

Delivery Voltage & Interconnection Point Information

* Delivery Voltage Information

120/208, 3 Phase, 4 Wire

* Interconnection Point

Customer Meter Base

Meter Accessibility Questionnaire

* Is your meter accessible?

Yes

* Is your meter behind a locked gate?

No

* Are there unsecured dogs on the property?

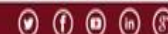
No

Back

Continue



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1. Fill in the fields No of Phases, Normal Operation of Interconnection.
2. If **Oncor to export power** is selected as "Yes", please provide the **Total Inverter capacity**. If "No", leave it blank.
3. Fill in the fields under **Delivery Voltage & Interconnection Point Information**
4. Fill in the **Meter Accessibility Questionnaire**
5. Click **Continue**

6.4. Equipment Tab (1/6)

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT Comments History Close Save Generate TA Submit

Code: DRG-30338 Premise No: 9999999 Connected Capacity (kW): DC Capacity (kW): Workflow Status: Created Status Date: 05/15/2020 08:21 AM

1 Customer Mandatory Info General Equipment Documents

Inverter Battery with Inbuilt Inverter Wind Turbine with Inbuilt Inverter Synchronous Induction

Instructions: Please click the 'Add New' button to add the inverter details. Solar / Battery / Wind Turbine equipment can be added after adding inverter equipment. If you wanted to add Battery or Wind Turbine which has integrated or inbuilt inverter, please add under respective equipment section.

Add New

Back Continue

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1. Select the type of measure
2. Click on **Add New**

6.4. Equipment Tab (2/6) – Inverter

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Comments History Close Save Generate TA Submit

Add New

Inverter#1 Inverter Capacity (kW): DC Capacity (kW):

Instructions:

- Please click the 'search icon' and click the 'Go' button to select the inverter manufacturer & model and click 'Add'.
- Enter the 'Number of Inverters' & 'Power Factor' and click 'Save'.
- Lists are provided from Go Solar California <https://www.gosolarcalifornia.ca.gov/equipment/inverters.php>
- After adding inverter, you will find option to add any DG equipment connected to inverter (Solar / Wind Turbine)

Manufacturer - Model Number

Number of Inverters *

Power Rating (watts)

Description

Weighted Efficiency (%)

Nominal Voltage

Power Factor *

Inverter Capacity (kW)

6

For Inverter fields, based on selection of **Manufacturer – Model Number (1)** related fields such as **Power Rating (2)** **Description (3)** **Weighted Efficiency (4)** and **Nominal Voltage (5)** and Click **Save (6)**.

6.4. Adding Measures in Equipment Tab (3/6) - Inverter

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ONCOR® DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Select Inverter [Close]

Manufacturer: Model Number:

Go

	Manufacturer	Model Number	Description	Watts	Power Rating(kW)
☐	ABB	UNO-2.0-TL-OUTD-S-US [277V]	2.0 kW, 277 Vac Utility Interactive Inverter	2,000	2
☐	ABB	UNO-2.0-I-OUTD-S-US [240V]	2 kW, 240 Vac Utility Interactive Inverter. Model nu...	2,000	2
☐	ABB	UNO-2.0-TL-OUTD-S-US-Z-A [277V]	2.0 kW, 277 Vac Utility Interactive Inverter with arc...	2,000	2
☐	ABB	PVI-S-US-Z-A [277V]	3 kW, 277 Vac Utility Interactive Inverter with arc d...	3,000	3

Total 388 10/page < 1 2 3 4 5 6 ... 39 > Go to 1

Cancel Add

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1. Enter the required Inverter Manufacturer / Model Number
2. Click Go – To search and fetch the result
3. Select the desired record from the list
4. Click Add

6.4. Equipment Tab (4/6)

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ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT [Comments] [History] [Close] [Save] [Generate TA] [Submit]

After adding inverters, you will have option to add any DG equipment connected to inverter (Solar / Battery / Wind / Turbine)

Manufacturer - Model Number	Number of Inverters *	Power Rating (watts)
ABB - PVI-3.0-OUTD-S-US-A [277V]	12	3000
Description	Weighted Efficiency (%)	Nominal Voltage
3 kW, 277 Vac Grid Support Utility Interactive Inverter with arc detector	96	277
Power Factor *	Inverter Capacity (kW)	
0.99	36.00	

DG Equipment: Solar ^ **+ Add** **1**

- Solar
- Battery
- Wind Turbine

[Back] [Continue] [Save]

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1. Choose the child measure from the DG Equipment drop-down and then Click **Add**

6.4. Equipment Tab (5/6)

Add / Edit Solar Panels

Instructions:

- Please click the 'search icon' and click the 'Go' button to select the solar manufacturer & model. Select the respective model and click 'Add'.
- Enter the 'Number of Panels', 'Shading', 'Tilt', 'Azimuth', & select 'Array Type' and click 'Save'.
- Lists are provided from Go Solar California https://www.gosolarcalifornia.ca.gov/equipment/pv_modules.php

Manufacturer - Model Number



Number of Panels *

Power Rating (Watts)

Description

Array Type *

Module Type *

Azimuth (0 to 270) (in degrees) *

Tilt (0 to 90) (degrees) *

Shading (%) *

System Loss (%)

Calculate

Solar Panel Capacity (kW)

Annual Energy (kWh)

Cancel

Save

For Solar PV fields based on selection of **Manufacturer – Model Number (1)** related fields **Power Rating (2)** **Description (3)** will be auto populated

6.4. Equipment Tab (6/6)

Add / Edit Solar Panels

Instructions:

- Please click the
- Enter the 'Number
- Lists are provide

Manufacturer - Model

Description

Azimuth (0 to 270) (i

Solar Panel Capacity

Calculate

Solar Panel Capacity

Select Solar Panels

Manufacturer

Tesla

1

Model Number

2

Go

	Manufacturer	Model Number	Description	Power Rating(watts)	PTC
☐	Tesla Inc.	SR24S3-2	23.75W Polycrystalline Smooth Solar Roof Module	23.75	20.5
☐	Tesla Inc.	SR24T3-2	23.75W Polycrystalline Textured Solar Roof Module	23.75	20.5
☐	Tesla Inc.	SR25S3	25W Smooth Solar Roof Module	25	22.3
☐	Tesla Inc.	SR25T3	25 W Textured Solar Roof Module	25	21.9
☐	Tesla Inc.	SR60T1	58.47 W, 42 cell polycrystalline Solar Roof module, 600...	58.47	52.1

Total 5

10/page

<

1

>

Go to

3

4

Cancel

Add

Cancel

Save

1. Enter the required Solar Manufacturer / Model Number
2. Click Go
3. Select the desired record from the list
4. Click Add and save and continue

6.5 Documents Tab

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Comments Documents History Close Save Generate TA Submit

Code: DRG-30342 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 0.29 Workflow Status: Created Status Date: 05/18/2020 05:07 AM

Customer Mandatory Info General Equipment Documents

Note :

- VLLD, Oncor meter, and generation equipment should be clearly labelled and identified in One line diagram
- Distance between VLLD & Oncor meter should be clearly marked in the diagram (Preferably within 10 feet)
- Sketches should have Service address and placard proofs of the equipments
- Layout sketch should have "Visible Lockable Labeled Disconnect" written on it

Layout Sketch

File Name: LAYOUT resubmit.pdf

Uploaded On: 05/18/2020 05:56 AM

Upload Completed

One Line Diagram

File Name: ONE LINE resubmit.pdf

Uploaded On: 05/18/2020 05:56 AM

Upload Completed

Supporting Documents

Drop file here or click to upload

Max allowed size for each document is 200 MB.

Back Submit

1. **Note:** Gives the Information about all the document specifications.
2. Upload **Layout Sketch**
3. Upload **One Line Diagram**
4. Upload **Supporting Documents** (if any)
5. Click **Submit**

6.5 Documents Tab - Preview

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT [Comments] [Documents] [History] [Close] [Save] [Generate TA] [Submit]

Code: DRG-30342 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 0.29 Workflow Status: Created Status Date: 05/18/2020 05:07 AM

Customer Mandatory Info General Equipment Documents

Note :

- VLLD, Oncor meter, and generation equipment should be clearly labelled and identified in One line diagram
- Distance between VLLD & Oncor meter should be clearly marked in the diagram (Preferably within 10 feet)
- Sketches should have Service address and placard proofs of the equipments
- Layout sketch should have text "Visible Lockable Labeled Disconnect" written on it

Layout Sketch 1

File Name: LAYOUT resubmit.pdf

Uploaded On: 05/18/2020 05:56 AM

Diagram 3

File Name: ONE LINE resubmit.pdf

Uploaded On: 05/18/2020 05:56 AM

Supporting Documents

Drop file here or click to upload

Max allowed size for each document is 200 MB.

Back Submit

5/22/2020

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1. Document Preview:
Clicking on the uploaded document file – Displays the preview of file.
2. Info Icon:
Provides the uploaded by, document type and document name information.
3. Trash can icon:
Allows the user to delete the uploaded file

6.7 Workflow Movement

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Comments History Close Save Generate TA Submit

Code: DRG-30338 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 0.55 Workflow Status: Created Status Date: 05/15/2020 08:00

Generate TA

Add Workflow Comment

Note :

- VLLD, Oncor me
- Distance betwe
- Sketches should
- Layout sketch sh

Layout Sketch

Upload Completed

File Name

LAYOUT resubmit.pdf

Uploaded On

05/16/2020 12:12 PM

One Line Diagram

Upload Completed

File Name

ONE LINE resubmit.pdf

Uploaded On

05/16/2020 12:12 PM

Supporting Documents

Upload Pending

37

© TRACK

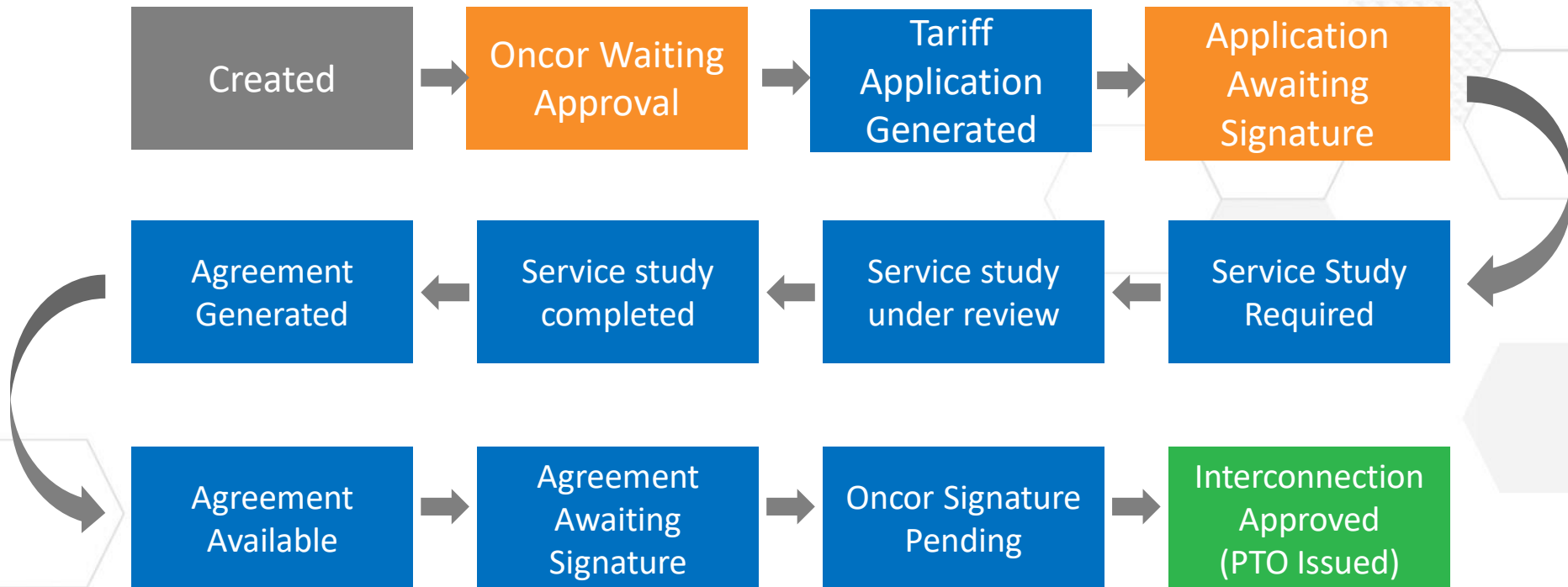
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1. Change the workflow from the drop-down and Click on **Submit**
2. Provide workflow comments in the pop-up window and click on **Save**

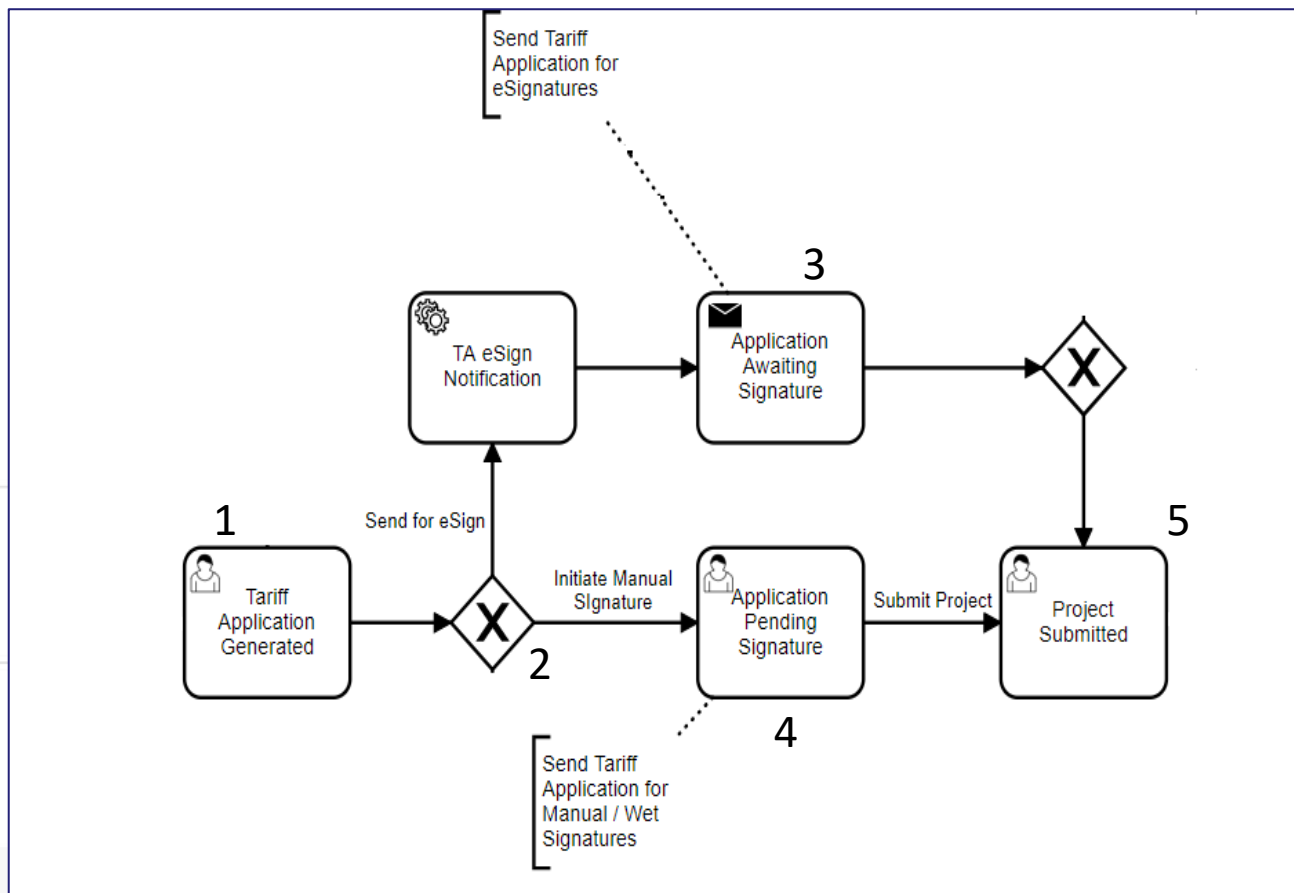
7. HIGH LEVEL CHANGES

7.1 Workflow Change



- Oncor Waiting Approval occurs only if it is a duplicate project
- Application Awaiting signature- eSignature
- Application Pending signature- Manual signature
- Agreement Awaiting Signature – “Account holder is system owner” option
- TPOS Agreement Awaiting Signature – Other options of IA Entity Type

7.1 Tariff Application Part



Step 1: Tariff application has been generated

Step 2: Installer has the option to choose either eSignature or Initial manual signature

Step 3: Application Awaiting signature status – Waiting on the customer to eSign the document. Once customer sign it moves to Step 5

Step 4: Application Pending signature- Upload the hardsigned copy and move the workflow to 5.

7.2 Duplicate Check

 DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARDPRESCREENINGPROJECTSTRAINING GUIDES

PROJECT

CommentsHistoryClose

Code: DRG-30343 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 2.76 Workflow Status: Awaiting Oncor Approval Status Date: 05/18/2020 01:27 PM

Customer

Mandatory Info

General

Equipment

Documents

InverterBattery with Inbuilt InverterWind Turbine with Inbuilt InverterSynchronousInduction

Instructions: Please click the 'Add New' button to add the inverter details. Solar / Battery / Wind Turbine equipment can be added after adding inverter equipment. If you wanted to add Battery or Wind Turbine which has integrated or inbuilt inverter, please add under respective equipment section.

Add New

Inverter#1Inverter Capacity (kW): 36DC Capacity (kW): 2.76

Instructions:

- Please click the 'search icon' and click the 'Go' button to select the inverter manufacturer & model and click 'Add'.
- Enter the 'Number of Inverters' & 'Power Factor' and click 'Save'.
- Lists are provided from Go Solar California <https://www.gosolarcalifornia.ca.gov/equipment/inverters.php>
- After adding inverter, you will find option to add any DG equipment connected to inverter (Solar / Battery / Wind Turbine)

Manufacturer - Model NumberABB - PVI-3.0-OUTD-S-US-Z-M-A [208V]

Number of Inverters *12

Power Rating (watts)3000

Duplicate project- Awaiting Oncor Approval status means there is a duplicate project and waiting on Oncor team to approve.

7.3 Duplicate Approval

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT Comments History Close Save Select Workflow State Submit

Code: DRG-30343 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 2.7 **Workflow Status: Tariff Application Generated** Status Date: 05/18/2020 01:32 PM

Customer Mandatory Info General Equipment Documents

Note :

- VLLD, Oncor meter, and generation equipment should be clearly labelled and identified in One line diagram
- Distance between VLLD & Oncor meter should be clearly marked in the diagram (Preferably within 10 feet)
- Sketches should have Service address and placard proofs of the equipments
- Layout sketch should have text "Visible Lockable Labeled Disconnect" written on it

Layout Sketch Upload Completed >

File Name Uploaded On

[lay out_JENA_PRINCE_1_.pdf](#) 05/18/2020 01:26 PM Info Download Delete

One Line Diagram Upload Completed >

File Name Uploaded On

[Gardea LD \(1\).pdf](#) 05/18/2020 01:26 PM Info Download Delete

Tariff Application Upload Completed >

File Name Uploaded On

[Tariff Application.pdf](#) 05/18/2020 01:32 PM Info Download Delete

Interconnection Agreement

Duplicate Approval- Once Oncor review team approves the duplicate. The status will be moved to tariff application Generated. Use the workflow to proceed the project

7.4 eSignature Tab

ONCOR DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT Comments Documents **eSignature** History Close Save Select Workflow State Submit

Code: DRG-30342 Premise No: 9999999 Connected Capacity (kW): 36.00 DC Capacity (kW): 0.29 Workflow Status: Tariff Application Generated Status Date: 05/18/2020 12:02 PM

Customer **Mandatory Info** **General** **Equipment** Documents

Inverter Battery with Inbuilt Inverter Wind Turbine with Inbuilt Inverter Synchronous Induction

Instructions: Please click the 'Add New' button to add the inverter details. Solar / Battery / Wind Turbine equipment can be added after adding inverter equipment. If you wanted to add Battery or Wind Turbine which has integrated or inbuilt inverter, please add under respective equipment section.

Add New

Inverter#1	Inverter Capacity (kW): 36.00	DC Capacity (kW): 0.29	
Instructions: • Please click the 'search icon' and click the 'Go' button to select the inverter manufacturer & model and click 'Add'. • Enter the 'Number of Inverters' & 'Power Factor' and click 'Save'. • Lists are provided from Go Solar California https://www.gosolarcalifornia.ca.gov/equipment/inverters.php • After adding inverter, you will find option to add any DG equipment connected to inverter (Solar / Battery / Wind Turbine)			

Click on the eSignature tab to see the eSignature status.

7.4 eSignature Tab



eSignatures

← Back Refresh

Tariff Application

Document Id: 4a528f29-666e-410b-9186-fe91be36e65b | Status: Pending | Sent: 05/18/2020 11:43 AM | Expiry: 06/17/2020 11:43 AM | Completed:

Parties

Name	Sent	Viewed	Signed
rajasekar@anbsystems.com rajasekar@anbsystems.com	✓		

Document Audits

TimeStamp	Message
05/18/2020 11:43 AM	rajasekar@anbsystems.com (rajasekar@anbsystems.com) was emailed a link to sign.

1. Void Document – Installer can void the document and set the status back to the Agreement available/tariff application generated status to resend for eSignature or initiate manual signature.
2. Please use bell icon to send Reminder email to the customer for eSignature

7.4 eSignature Tab – Void Option



eSignatures

← Back Refresh

1

Tariff Application

Document Id: 4a528f29-666e-410b-9186-fe91be36e65b | Status: Pending | Sent: 05/18/2020 11:43 AM | Expiry: 06/17/2020 11:43 AM | Completed:

Parties

Name	Sent	Viewed	Signed
rajasekar@anbsystems.com rajasekar@anbsystems.com	✓		

Document Audits

TimeStamp	Message
05/18/2020 11:43 AM	rajasekar@anbsystems.com (rajasekar@anbsystems.com) was emailed a link to sign.

1. Click on the void button. It will void the document will take back the workflow to move forward

7.4 eSignature Tab – Void Option

eSignatures ← Back Refresh

Interconnection Agreement

Document Id: 89642ee8-3c1f-4ff9-afde-3bd9d8fc9d08 | Status: Pending | Sent: 05/20/2020 11:36 AM | Expiry: 08/18/2020 11:36 AM | Completed:

Parties				Document Audits	
Name	Sent	Viewed	Signed	TimeStamp	Message
abhilash@anbsystems.com abhilash@anbsystems.com	✓			05/20/2020 11:36 AM	abhilash@anbsystems.com (abhilash@anbsystems.com) was emailed a link to sign.
abhilash@anbsystems.com abhilash@anbsystems.com	✓				

Void document

! Are you sure you want to void this document?

Cancel Ok

1. Click Yes.
2. The project status will be reverted to Previous Status
 1. For Applications – Tariff application Generated
 2. For Agreement- Interconnection Agreement Available

8. EQUIPMENT LIST – INVERTER & SOLAR PV

8.1 Equipment List - Inverter

WELCOME TEST INSTALLER. YOU ARE LOGGED IN AS INSTALLER

ONCOR. DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Comments History Close Save Generate TA Submit

Add New

Inverter#1 Inverter Capacity (kW): DC Capacity (kW):

Instructions:

- Please click the 'search icon' and click the 'Go' button to select the inverter manufacturer & model and click 'Add'.
- Enter the 'Number of Inverters' & 'Power Factor' and click 'Save'.
- Lists are provided from Go Solar California <https://www.gosolarcalifornia.ca.gov/equipment/inverters.php>
- After adding inverter, you will find option to add any DG equipment connected to inverter (Solar / Wind Turbine)

Manufacturer - Model Number

Description

Power Factor * Inverter Capacity (kW)

Number of Inverters *

Weighted Efficiency (%)

Power Rating (watts)

Nominal Voltage

Save

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For Inverter fields, based on selection of **Manufacturer – Model Number (1)** related fields such as **Power Rating (2)** **Description (3)** **Weighted Efficiency (4)** and **Nominal Voltage (5)** will be auto populated. And Click **Save (6)** to save the Inverter measure.

8.2. Equipment List - Inverter

WELCOME RAJASEKAR LN. YOU ARE LOGGED IN AS INSTALLER

ONCOR® DISTRIBUTED GENERATION INTERCONNECTION PORTAL

DASHBOARD PRESCREENING **PROJECTS** TRAINING GUIDES

PROJECT

Select Inverter [Close]

Manufacturer: Model Number:

	Manufacturer	Model Number	Description	Watts	Power Rating(kW)
☐	ABB	UNO-2.0-TL-OUTD-S-US [277V]	2.0 kW, 277 Vac Utility Interactive Inverter	2,000	2
☐	ABB	UNO-2.0-I-OUTD-S-US [240V]	2 kW, 240 Vac Utility Interactive Inverter. Model nu...	2,000	2
☐	ABB	UNO-2.0-TL-OUTD-S-US-Z-A [277V]	2.0 kW, 277 Vac Utility Interactive Inverter with arc...	2,000	2
☐	ABB	PVI-S-US-Z-A [277V]	3 kW, 277 Vac Utility Interactive Inverter with arc d...	3,000	3

Total 388 10/page < 1 2 3 4 5 6 ... 39 > Go to 1

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1. Enter the required Inverter Manufacturer / Model Number
2. Click Go – To search and fetch the result
3. Select the desired record from the list
4. Click Add

8.3 Equipment List - Solar PV

Add / Edit Solar Panels

Instructions:

- Please click the 'search icon' and click the 'Go' button to select the solar manufacturer & model. Select the respective model and click 'Add'.
- Enter the 'Number of Panels', 'Shading', 'Tilt', 'Azimuth', & select 'Array Type' and click 'Save'.
- Lists are provided from Go Solar California https://www.gosolarcalifornia.ca.gov/equipment/pv_modules.php

Manufacturer - Model Number



Number of Panels *

Power Rating (Watts)

Description

Array Type *

Module Type *

Azimuth (0 to 270) (in degrees) *

Tilt (0 to 90) (degrees) *

Shading (%) *

System Loss (%)

Calculate

Solar Panel Capacity (kW)

Annual Energy (kWh)

Cancel

Save

For Solar PV fields based on selection of **Manufacturer – Model Number (1)** related fields **Power Rating (2) Description (3)** will be auto populated

8.4 Equipment List – Solar PV

Add / Edit Solar Panels

Instructions:

- Please click the
- Enter the 'Number
- Lists are provided

Manufacturer - Model

Model Number

Go

Description

Azimuth (0 to 270) (i

Calculate

Solar Panel Capacity

Select Solar Panels

Manufacturer

	Manufacturer	Model Number	Description	Power Rating(watts)	PTC
☐	Tesla Inc.	SR24S3-2	23.75W Polycrystalline Smooth Solar Roof Module	23.75	20.5
☐	Tesla Inc.	SR24T3-2	23.75W Polycrystalline Textured Solar Roof Module	23.75	20.5
☐	Tesla Inc.	SR25S3	25W Smooth Solar Roof Module	25	22.3
☐	Tesla Inc.	SR25T3	25 W Textured Solar Roof Module	25	21.9
☐	Tesla Inc.	SR60T1	58.47 W, 42 cell polycrystalline Solar Roof module, 600...	58.47	52.1

Total 5

10/page

<

1

>

Go to

1

Cancel

Add

1. Enter the required Solar Manufacturer / Model Number
2. Click Go
3. Select the desired record from the list
4. Click Add and save and continue

THANK YOU!