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Withdraw an Application | p. 52
Contractor Account Registration | p. 54
Overview of the Customer Interconnection Tool (CIT)

What is the Customer Interconnection Tool (CIT)?

- A new web-based tool to submit interconnection applications
- Software solution provider: GridUnity
- Launch date: April 1, 2024

Benefits of CIT

- Automates and streamlines the interconnection application process
- Eliminates the need for physical paper
- Improves the customer experience
  - Better transparency
  - Guides the user through the application process
  - Uses customer-friendly terminology
  - Proactive, timely communication
- Error checking and auto-calculations
- Automatically generates the final agreement and allows for electronic signature through DocuSign
Subject: Project ID: C06-24-XXXXX: Application has been submitted

Aloha Customer,

Thank you for submitting an interconnection application for DER Program - Customer Self Supply with Hawaiian Electric.

Submitted by: Contractor
THPA: 12000000000
Project Location: ADDRESS
Rate Schedule: L1
Project ID Number: P-CSS-24-000000

This Project ID number should be used in any correspondence with Hawaiian Electric regarding your proposed project.

Please review the attached information and keep for your records. Additional documents submitted with your application can be found online.

Hawaiian Electric’s Battery Bonus program, which pays a cash incentive and bill credits to customers who add battery storage to their rooftop solar systems, has reached its maximum capacity of 40 megawatts (MW) on Oahu, and no new applications will be processed at this time. A successor program to Battery Bonus known as Bring Your Own Device (BYOD) will be available to Hawaiian Electric customers starting March 2, 2024. For more information, please click here.

Here’s a look at the next steps:
We will review your application within 15 business days from today. If there are no issues or missing information identified, we will continue our review by looking at your project’s technical components and its impact to our electric grid.

To check the status of your application, visit the Customer Interconnection Tool. We appreciate the important step you are taking toward meeting Hawaii’s clean energy goals and look forward to partnering with you on this project.

If you have any questions, or if this application was submitted in error, please contact us at (808) 542-4700 or connect@hawaiianelectric.com.

Mahalo,
Hawaiian Electric

Contact us by email or email:
Hawaiian Electric
connect@hawaiianelectric.com
Distributed Energy Resources
PO. Box 2599, CP12-5E
Honolulu, HI 96819

Hawaiian Electric
Overview of CIT Workflow

Legend

CONTRACTOR / CUSTOMER
UTILITY PROCESSOR
UTILITY ENGINEER

Hawaiian Electric
Navigating the CIT Tool

Accessing the Site

URL: https://forms.hawaiianelectric.com

Welcome to the Customer Interconnection Tool

Register for an Account

Submitting and managing applications is easy!

This portal will allow you to submit your interconnection application electronically at any time, using standardized forms. Dynamic questions and approved equipment drop-down lists will help identify required information.

Available Applications

The following interconnection applications are available:
- Customer Self-Supply (Non-Report)
- Smart Export
- CSS, CSS-Plus, NEM Plus
- Amendments for existing executed NEM, NEM Plus, CSS, CSS-Plus, and Smart Export agreements
- Battery Pumps for existing executed NEM, CSS, CSS-Plus, Smart Export and EIS agreements.

Contact Us

Oahu
(808) 534-8740
contact@hawaiianelectric.com

Maui County
(808) 871-5461 ext. 2443
maucustomerseco@hawaiianelectric.com

Hawaiian Island
(808) 534-4760
contractor@hawaiianelectric.com

Welcome Contractor to the Customer Interconnection Tool

Available Rooftop Solar Applications

The following interconnection applications are available for submission at the time of this printing:
- Customer Self-Supply
- Smart Export
- CSS, CSS-Plus
- NEM Plus
- Battery Pumps

Renewable Energy Programs

New Electrical Service and Upgrades

Renewable Energy Program Application Process

Every renewable energy program application goes through the following process (click each step for details):
1. Apply for Interconnection
2. Review Submittal Package for Completeness Review
3. Review Technical Requirements for System
4. Conduct Studies and Utility Installation (if necessary)
Navigating the CIT Tool

**Navigation**

<table>
<thead>
<tr>
<th>APPLY FOR INTERCONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Program Selection</td>
</tr>
</tbody>
</table>

▷ Project Location
  - Project Location
  - Property Accessibility

▷ Contact Information
  - System Type
  - Project System Components
  - Additional Information & Drawings
  - Application Summary

- Black text with ✓ checkmark in the left are the completed steps.
- Bold black text with ▷ solid arrow is the current page/step the user has open.
- Blue text with • circle bullets are the sub sections under the currently open step.
- Black text with open > arrow is a step the user has started but not completed.
- Gray text with — dash in the left are next/future steps that the user cannot reach until completing previous steps.
- Click the ✉️ next to the fields for more details.
1. Click the “Choose a file for upload” box to locate the file on your hard drive and select it, or drag your file into the file upload box.

2. Wait for the file to complete uploading.
Navigating the CIT Tool

Application List View

1. Type in the search bar to find a record
2. Hover over a column header and click the table options button ‣ to filter by that specific column, add/remove visible columns to the table, and more.
3. Click the Internal Id to open the application
4. Click on ••• to access additional user actions
   » Withdraw Application
   » Revisions
5. Use ‾ to export the Application List to an Excel spreadsheet
6. Use presets to quickly change between different Application List views.
## Project Summary Page

### Project Details

<table>
<thead>
<tr>
<th>Status</th>
<th>ProjectID: H-SDN-24-261557</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
<td>Smart BER - Non-Expert</td>
</tr>
<tr>
<td>System Status</td>
<td>RC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program</th>
<th>Rider 01, Level 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Address</td>
<td>55555 HAWAII RD 6-P15 HARR, HI 96720</td>
</tr>
<tr>
<td>Due Date</td>
<td>2024-02-26</td>
</tr>
<tr>
<td>Property Owner</td>
<td>Test User</td>
</tr>
<tr>
<td>Project Amended</td>
<td>N/A</td>
</tr>
<tr>
<td>GE Notification Number</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Apply for Interconnection

<table>
<thead>
<tr>
<th>#</th>
<th>Activity</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Program Selection</td>
<td>2024-02-06 15:39:49 PM</td>
</tr>
<tr>
<td>2</td>
<td>Project Location</td>
<td>2024-02-06 15:32:23 PM</td>
</tr>
<tr>
<td>3</td>
<td>Contact Information</td>
<td>2024-02-06 15:36:35 PM</td>
</tr>
<tr>
<td>4</td>
<td>System Type</td>
<td>2024-02-06 15:37:26 PM</td>
</tr>
<tr>
<td>5</td>
<td>Project System Components</td>
<td>2024-02-06 15:38:07 PM</td>
</tr>
<tr>
<td>6</td>
<td>Additional Information &amp; Drawings</td>
<td>2024-02-06 15:54:23 PM</td>
</tr>
<tr>
<td>7</td>
<td>Application Summary</td>
<td>2024-02-06 15:54:41 PM</td>
</tr>
</tbody>
</table>

### Completeness Review

<table>
<thead>
<tr>
<th>#</th>
<th>Activity</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Completeness Review</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>CR Confirmation</td>
<td></td>
</tr>
</tbody>
</table>
## Application Status

<table>
<thead>
<tr>
<th>ACTION</th>
<th>PROCESS PHASE</th>
<th>IIQ STATUS</th>
<th>RESPONSIBLE PARTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application in progress</td>
<td>Initiated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application submitted, pending Completeness Review</td>
<td>Completeness Review</td>
<td>RC</td>
<td>Utility</td>
</tr>
<tr>
<td>Corrections needed after Completeness Review</td>
<td>Completeness Review</td>
<td>CAR</td>
<td>Customer</td>
</tr>
<tr>
<td>Completeness Review passed, pending ITR</td>
<td>Initial Technical Review</td>
<td>ITR</td>
<td>Utility</td>
</tr>
<tr>
<td>Supplemental Review needed</td>
<td>Supplemental Review</td>
<td>SR</td>
<td>Utility</td>
</tr>
<tr>
<td>Customer actions required during Technical Reviews</td>
<td>Initial Technical Review or Supplemental Review</td>
<td>CAR</td>
<td>Customer</td>
</tr>
<tr>
<td>Conditional Approval, Pending Installation</td>
<td>Conditional Approval</td>
<td>PI</td>
<td>Customer</td>
</tr>
<tr>
<td>Pending Project Verification and Inspection</td>
<td>Project Verification</td>
<td>PV</td>
<td>Utility / Customer</td>
</tr>
<tr>
<td>Pending Execution</td>
<td>Pending Execution</td>
<td>PE</td>
<td>Utility / Customer</td>
</tr>
<tr>
<td>Executed, Permission to Operate</td>
<td>Executed</td>
<td>EX</td>
<td></td>
</tr>
</tbody>
</table>
Re Submittal VS Revision

**Re Submittal**

- Utility initiated requests for corrections / missing items discovered during the project completeness review.
- Resubmittals may happen only during the CAR to RC Completeness Review phase.
- Queue Position will be affected.

**Revision**

- Revisions are considered customer / contractor initiated changes.
  - Revisions are accepted between Notice of Conditional Approval and Validation submittal.
  - Revisions may be accepted as a result of an incomplete validation
- Queue Position may be affected.
Create a New Application

CIT Login

1. Log in your account using your user ID and Password.
1. Click 'Start a New Renewable Energy Program Application' to start a new application.
Create a New Application

Select Application Type

Interim Programs
Customer Grid Supply Plus (CGSP), Smart Export, and Customer Self Supply (CSS) programs applicable to distributed energy resource (DER) projects under 10kW. All interim programs are set to close on March 31, 2024 (date subject to change).

NEM Plus (NEM+)
Available only to NEM customers with a signed agreement who want to add non-export capacity to their current system. Additional conditions may apply.

Smart DER
Long-term distributed energy resource (DER) programs open to all project sizes with two other options: Export or Non-Export. Installation of an advanced meter and participation in Time-Of-Use (TOU) rates are required to enroll.

AMEND
Amendments available for existing executed agreements. Ability to document equipment changes, apply for Battery Bonus, or Bring Your Own Device (BYOD) on executed agreements.

Submit

Project Location

Project Location

Please enter both a meter number and matching zip code. The service address will be automatically populated.

Meter Number

Zip Code

Service Address

Unit

City

State

Please select a value

Rate

Tax Map Key Number

Additional Tax Map Key

Information auto-filled

TMK must be 13 digits ending with zero’s (i.e. 1xxxxxxxx0000)

Company Prefix

Meter Number 9 digits with leading zero’s

MPX 0 0 0 0 0 0 0 0 0

Hawaiian Electric
1. Upload a copy of the Deed to your property.

2. This email address will be used for the DocuSign process and should be the address for the signing property owner.
1. Upload customer’s signed authorization form.
Create a New Application

System Type

1. Energy Storage Operation Type:

2. ESS = Energy Storage System
1. If the Mounting Location is not immediately adjacent to the utility meter, please specify.
Inverters by string and type

- Micro Inverter
Inverters by string and type

- String Inverter
PV Panels are connected to the corresponding inverter string

- Multiple strings of PV panels may be added to the same inverter string
- Total panel quantity and panel size are listed for the inverter string
Energy Storage

- Information entered manually
- Energy storage is connected to the corresponding inverter string
- Auto-calculated Total Proposed Storage Size
- Total Proposed system Size can be manually overwritten depending on the system configuration
1. Required if the system is ≥ 30kW.
Additional Information & Drawings

- Maximum and Minimum Site Loads without generation required for systems $\geq 30$kW
- Maximum Generating Capacity should be equal to Total Proposed System Size
- Program Size = system size without ESS
Fields marked in **RED** mean corrections are required.

Example: In this case, the AC Disconnect information needs to be filled in.
Submit a New Application

Application Summary

- Review the entire application before submitting
- Navigate through the past progress steps to make changes
- To save changes, click ‘Save and Continue’ at each progress step
- To update the Application Summary, ‘Save and Continue’ at the step right before the Application Summary
Subject: Project ID: P-CSS-24-XXXXX, Application has been submitted

Aho Customer,

Thank you for submitting an interconnection application for DEP Program - Customer Self Supply with Hawaiian Electric.

Submitted by: Contractor
TMC: 100000000000000
Project Location: ADDRESS
Rate Scheduler: L_R
Project ID Number: P-CSS-24-XXXXX

This Project ID number should be used in any correspondence with Hawaiian Electric regarding your proposed project.

Please review the attached information and keep for your records. Additional documents submitted with your application can be found online.

Hawaiian Electric’s Battery Bonus program, which pays a cash incentive and bill credits to customers who add battery storage to their rooftop solar systems, has reached its maximum capacity of 45 megawatts (MW) on Oahu, and no new applications will be processed at this time. A successor program to Battery Bonus known as Bring Your Own Device (BYOD) will be available to Hawaiian Electric customers starting March 1, 2024. For more information, please click here.

Here’s a look at the next steps:
We will review your application within 15 business days from today. If there are no issues or missing information identified, we will continue our review by looking at your project’s technical components and its impact to our electric grid.

To check the status of your application, visit the Customer Interconnection Tool. We appreciate the important step you are taking toward meeting Hawaii’s clean energy goals and look forward to partnering with you on this project.

If you have any questions, or if this application was submitted in error, please contact us at (808) 542-4700 or connect@hawaiianelectric.com.

Mahalo,
Hawaiian Electric

Contact us by email or email:

Hawaiian Electric
connect@hawaiianelectric.com
Distributed Energy Resources
P.O. Box 2759, CP12-SE
Honolulu, HI 96840
Completeness Review Results

- **Pass** - application proceeds to Initial Technical Review (ITR)
  - Status: Initial Technical Review, ITR, Utility

- **Fail/Incomplete** - corrections must be made addressed before the application can move on to ITR
  - Status: Incomplete Review, CAR, Customer
Completeness Review Incomplete Email

Dear [Customer],

Our Distributed Energy Resources team has completed review of your Interconnection Application for Smart DER - Non-Export on 2023-12-05 10:14:40.

Next Steps:
The results of our review identified some issues in your application, which require your attention. Please review the flagged items and any associated comments attached. Access your application online to make the necessary updates.

Any corrections must be made online through the Customer Interconnection Tool. Once you re-submit your application, we will review within 10 business days of receipt. If additional updates or information is not needed, we will move forward with an initial technical review of your project's equipment and its impact on our electric grid.

Thank you for your patience during this process. If you have any further questions, please contact us at (808) 543-4760 or connect@hawaiianelectric.com.

Mahalo,
Hawaiian Electric

Contact us by mail or email:
Hawaiian Electric
connect@hawaiianelectric.com
Distributed Energy Resources
P.O. Box 2756, CF11-04
Honolulu, HI 96830
# System Components Review

<table>
<thead>
<tr>
<th>FLAG</th>
<th>FIELD</th>
<th>VALUE</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AC Disconnect #1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Not Listed</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Manufacturer</td>
<td>Murray</td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Model</td>
<td>GHN321N</td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Fuse Type</td>
<td>Fused</td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Phase</td>
<td>Three</td>
<td></td>
</tr>
<tr>
<td>☑</td>
<td>AC Disconnect Rated Amps</td>
<td>30</td>
<td>Disconnect does not match single line drawing</td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Rated Volts</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Multiple Disconnects</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>AC Disconnect Mounting Location</td>
<td>Main Service Disconnect</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inverter #1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐</td>
<td>Inverter Manufacturer</td>
<td>Altennergy Power Systems</td>
<td></td>
</tr>
<tr>
<td>☑</td>
<td>Inverter Model</td>
<td>DS3 w/ ECU-C, CT or ECU-R, Meter CT</td>
<td>Inverter does not match single line drawing</td>
</tr>
</tbody>
</table>
Completeness Review Passed with Minor Corrections Email

Dear Customer,

Your application for SmartGEP has been reviewed and passed Completeness Review on 24/02/2023. We have identified some minor corrections that need to be made.

Please review the attached comments. No immediate action is required, but to expedite our review, please have your contractor submit these corrections with the rest of your application. If you have any questions, please contact us at (808) 547-4130 or connect@hawaiianelectric.com.

Thank you.

Mahalo,
Hawaiian Electric

Contact Us by phone:
Hawaiian Electric
connect@hawaiianelectric.com
Distributed Energy Resources
P.O. Box 2790, CF12-SE
Honolulu, HI 96820
Completeness Review Passed Email

Title: [Redacted]
Project Location: [Redacted]
Project ID Number: [Redacted]

Allo Customer,


Next Steps:
Our technical team will review your system requirements and also determine if a supplemental review is needed. Within 2 business days, you will be contacted with the results of the Initial Technical Review (ITR).

The Initial Technical Review lets the company understand your system’s impact on our electric grid so we can continue to ensure safe and reliable service to all customers.

To check the status of your application, go online to the Customer Interconnection Tool. You can also find more information about Distributed Energy Resources program at www.hawaiianelecric.com/DistributedEnergyResources.

As a reminder, your renewable energy system should be turned on until you receive final approval from Hawaiian Electric.

We appreciate your commitment to renewable energy and look forward to continuing to work with you on this project. If you have any questions, please contact us at 808-543-4766 or contact@hawaiianelectric.com.

Mahalo,

Hawaiian Electric

Contact us by email or mail:
Hawaiian Electric
contact@hawaiianelectric.com
Distributed Energy Resources
PO Box 2576, OAHU 96823
Honolulu, HI 96819
Application Review Process

Technical Review

- An email will be sent with the result of the initial Technical Review (ITR) and will state if a Supplemental Review (SR) is necessary.
- If a Supplemental Review is necessary, the result of that review will be emailed.
- The application will be conditionally approved when all technical reviews are passed. At this time, you have permission to install.

Initial Technical Review Failed Email

Hawaiian Electric has completed the initial technical review of your application and has determined that your application requires a supplemental review (SR). Your application did not pass the technical screens noted in bold and red text below:

- Screen 1: Does the proposed Generating Facility meet the Technical Specifications stated in Rule 22 (Customer Self-Supply), Appendix A?
- Screen 2: Is the proposed Generating Facility a single-phase and is to be interconnected at a collector tap point of a 240-volt service, does it cause unacceptable imbalance between the two phases of the 240-volt service?
- Screen 3: Is it the Point of Interconnection to a Demarcation System?
- Screen 4: Is the maximum power across the Point of Interconnection, the power export, or cause a reversal of power flow during normal and operating conditions, or any voltage regulation device that is not bi-directional?
- Screen 5: Is the aggregate Generating Facility capacity on the Line Section less than or equal to 10% of Line Section peak?
- Screen 6: Is the voltage flicker and/or voltage drops associated with the Generating Facility within IEEE 115, IEEE 143, or General Order 7 limits?
- Screen 7: Do the maximum aggregated power settings for all the Generating Facilities connected to a secondary distribution transformer exceed the transformer, secondary conductor, fuse, or other equipment rating, absent the Applicant’s generation?
- Screen 8: Does the Generating Facility have a short circuit current contribution ratio within acceptable limits?
- Screen 9: Is the Short-Circuit Interlocking Capability, exceeded?
- Screen 10: Is the Line Configuration Screen acceptable for Simplified Interconnection?
- Screen 11: Is the gross rating of the Generating Facility 200 kW or less?

The full listing of technical screens has been provided as a reference so you may understand the steps taken to successfully complete an initial technical review. Additional information on these screens may be found in Appendix B of Rule 114(d). Allow up to 20 business days to complete. We will inform you of the SR results by email.

As a reminder, your distributed energy system should not be turned on until you receive final approval from Hawaiian Electric.

If you have any questions, please do not hesitate to call (808) 541-4700 or contact hawaiianelectric.com.

Mahalo,
Hawaiian Electric

Contact us by email:
 Hawaiian Electric
customer@hawaiianelectric.com
 Distributed Energy Resources
 P.O. Box 2770, CF12-9E
 Honolulu, HI 96820

34
Conditional Approval Email

We are pleased to inform you that your Smart DER - Non-Export application for your rooftop solar system has been conditionally approved, subject to the conditions below.

From the date of this notice, the generating system must be installed, the post-installation documentation reviewed and validated, and your agreement executed by Hawaiian Electric within six months or by 2013-07-30.

If there are any revisions to your original application or originally designed system, changes must be made to your application online or revised documents must be submitted by mail. Revisions may include a change in system size, contractor and/or owner/operation, system equipment (such as inverters), modules, etc. All revisions will be subject to necessary technical review prior to final interconnection approval.

REQUIRED POST-INSTALLATION DOCUMENTATION:
- Submit all completed Distributed Energy Resources (DER) interconnection Project Validation Packet online.
- Please refer to the Distributed Generation (DG) Interconnection Project Validation Packet.

NOTES ON INVERTERS:
As a condition of interconnection of the Generating Facility, Customer-Generator agrees that all inverters shall comply with Hawaiian Electric applicable specifications. Additional information can be found on our Advanced Inverter Information website. If you have any questions regarding inverter settings, please contact DER at 888-341-4750.

A current listing of approved inverters for your specific DER program can be found on our Qualified Advanced Inverters website. The inverter and inverters’ are required to meet the utility standard. Please contact the machinery for instructions on how to reprogram the inverters.

If you are no longer interested in proceeding with your interconnection request, please withdraw your online or email a completed Withdrawal Form to us as soon as possible to cancel your application. Forms can be found on our website and emailed to us at contact@hawaiianelectric.com.

If you have been notified previously to make corrections to your application, please submit those corrections with the revision process in DER.

We appreciate your patience and understanding during the review and approval process. The process does take time as Hawaii is far ahead of the rest of the country in its level of solar photovoltaic (PV) integration and our isolated island grid presents unique technical considerations that very few utilities in the world, if any, have had to address.

Additional information can be found on our website Distributed Energy Resources.

Mahalo,
Hawaiian Electric.
Revisions

Revision Types

Change of Contractor Revision

✦ If your customer is changing contractors, submit a new application in CIT

✦ At Completeness Review, the utility will work with the customer to confirm their choice of contractor and withdraw the other application

Change to System Component(s) Revision

✦ Prior to submitting the Validation
How to start a Revision

1. Navigate to Application List and click the User Actions to submit a revision

OR

2. Select ‘Start a new revision’ from Project Summary page
How to submit a Revisions

- Navigate through the progress steps to change desired fields

```
REVISE APPLICATION

- Project Location
  - Property Accessibility
- Contact Information
- System Type
- Project System Components
- Additional Information & Drawings
- Review Changes
```

- Click ‘Save and Continue’ on the bottom of each revised step and on the ‘Additional Information & Drawings’ page
- Changes will be shown in red on the ‘Review Changes’ page
Submitting the Validation

1. Click on the hyperlink for ‘Start Project Validation’ on the Project Summary Page to start the Validation submittal

- You may enter parts of the Validation, click ‘Save and Continue’, and come back to submit the entire packet at a later time

Validation Requirements

If installed project varies **at all** from online application information, a revision will be required prior to submitting for validation. Once revision is approved, validation may proceed.

If **no changes** have been made to the last submittal and project installed matches application data exactly the requirements on the next page apply.
Please carefully review the information on the following pages and provide completed validation as required. Incomplete or missing information or any discrepancies could cause a delay in finalizing the application and providing approval for a project. If the as-built installation does not conform to originally submitted application documents, reapplication or revisions may be required.

Also, please do not forget to review and address any comments that may have been noted within the application.

You will be asked to provide the following information:
- Closed building and electrical permit or completed electrical inspection
- Electrician License Holder name and License ID number.
- As-built line drawing (if different than previously submitted)
- Photos:
  - Inverters - nameplate label including model number, micro inverters must also show PV subpanel breakers, central inverter layout and location in relation to the meter.
  - AC System disconnect - nameplate label, signage showing relation to meter, location in relation to meter, multiple system disconnect switches must be labeled accordingly. 1 of 3, etc.
  - Additional Photos may be required based on the size and design of the system.
  - Utility meter - with signage
  - Energy Storage if applicable - nameplate label
  - Main service disconnect - signage showing relation to system disconnect
- Inverter screenshot(s) or photos of settings to show compliance with Hawaiian Electric Companies' technical requirements.
- Certificate of Insurance, as stipulated by the program’s requirements (if applicable).
- Property and equipment accessibility

Start Project Validation

Please check the box and click Save and Continue when you are ready to proceed.
Post Installation Information

Building Permit

Please input the associated permit information and upload a copy of your Closed Building Permit. Please ensure that address on permit and any equipment information matches the installed equipment at the property.

County Search Links: Oahu | Maui | Hawaii

- Permit Number (Required)

- Permit Closure Date (Required)

- Building Permit

Choose a file for upload or drag and drop one into this area

Not Uploaded

Electrical Contractor

- Hawaii License ID

- Hawaii License Holder

PV/Installing Contractor

- Company Name

System Is Leased

- Will the system be leased?

  - Yes
  - No

System Owner

- System Owner
Post Installation Information

System Components

System Component Confirmation

Please review the previously submitted components below. If they do not match the installed components, changes are necessary, or you would like to add any new components, please submit a Revision for utility review. The system component information you provide MUST match your Electrical Drawings.

Increases to your total system size due to changes in equipment will necessitate a new Technical Review and a new Conditional Approval.

Making changes to your project system could impact your conditional approval and/or delay processing of your application.

Components Table

<table>
<thead>
<tr>
<th>FLAG FIELD</th>
<th>VALUE</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Disconnect #1 Not Listed</td>
<td>No</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Manufacturer</td>
<td>Eaton-Cutler Hammer</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Model</td>
<td>DG221NGB</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Fuse Type</td>
<td>Fused</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Phase</td>
<td>Single</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Rated Amps</td>
<td>30</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Rated Volts</td>
<td>240</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Multiple Disconnects</td>
<td>No</td>
<td>✔️</td>
</tr>
<tr>
<td>AC Disconnect Mounting Location</td>
<td>Main Service Disconnect</td>
<td>✔️</td>
</tr>
</tbody>
</table>
## Post Installation Information

<table>
<thead>
<tr>
<th>Inverter #1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverter Manufacturer</td>
<td>Altenery Power Systems</td>
</tr>
<tr>
<td>Inverter Model</td>
<td>DS3 w/ ECU-C, CT or ECU-R, Meter CT</td>
</tr>
<tr>
<td>Inverter Type</td>
<td>Micro</td>
</tr>
<tr>
<td>Inverter Quantity</td>
<td>2</td>
</tr>
<tr>
<td>Inverter AC Output Rating (kW)</td>
<td>0.88</td>
</tr>
<tr>
<td>Inverter AC Total Inverter Rating (kW)</td>
<td>1.76</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PV Panels #1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Panel Quantity</td>
<td>2</td>
</tr>
<tr>
<td>Total Panel Size (kW)</td>
<td>0.44</td>
</tr>
<tr>
<td>Inverter Group Subtotal</td>
<td>0.44</td>
</tr>
<tr>
<td>Technical System Size (kW)</td>
<td>0.44</td>
</tr>
<tr>
<td>Program Size(kw)</td>
<td>0.44</td>
</tr>
</tbody>
</table>

Total Proposed System Size: 0.44
Post Installation Information

**Inverter Compliance**

Refer to your conditional approval notice and our website for compliance requirements. Please contact the inverter manufacturer for instructions on reprogramming inverter settings.

I hereby acknowledge and agree that the distributed generation facility's inverters meets the Hawaiian Electric Company's Interconnection Standards for Frequency and Voltage Ride Through, Power Factor, Volt/VAR, Ramp Rate, Remote Application and Phase I Default Settings as stated in Appendix I to Rule 14H and per the information above.

Enter your First and Last Name to sign Acknowledgement

Please upload a copy of the Inverter Settings to verify compliance.

**Electrical Drawings <30 kW**

- **System Component Single Line Drawing**
  - File uploaded
  - Download

- **Site Plans**
  - File uploaded
  - Download

- **System Component Three Line Drawing**
  - No file uploaded

**Revised Electrical Drawings**

Please upload your final As-Built Electrical Drawings if different from previously uploaded drawings.

Revised Related Draw Documents

Choose a file for upload or drag and drop one into this area

Not Uploaded
Post Installation Information

Post Installation Photos

Please upload the required photos. They can be submitted in single or multiple documents:
- Main service disconnect and/or mail service breaker photo with signage showing relation to system disconnect
- Utility Meter with signage (meter number must be visible)
- Current Meter Socket Box photo
- Inverters - central inverter to show nameplate label (including model number), and layout/ location in relation to the meter; micro inverters to show PV subpanel breakers.
- AC System disconnect - Show location in relation to meter, nameplate label, signage showing relation to meter (multiple system disconnect switches must be labeled accordingly: 1 of 3, etc.)
- Energy Storage if applicable - nameplate label
- Additional Photos may be required based on the size and design of the system.

Main service disconnect and/or mail service breaker photo
- Choose a file for upload or drag and drop one into this area
- Not Uploaded

Utility Meter Photo
- Choose a file for upload or drag and drop one into this area
- Not Uploaded

Current Meter Socket Box Photo
- Choose a file for upload or drag and drop one into this area
- Not Uploaded
Post Installation Information

**Post Installation Photos Cont**

- **Inverter Nameplate Photo**
  - Not Uploaded
  - Choose a file for upload or drag and drop one into this area

- **AC Disconnect Nameplate Photo**
  - Not Uploaded
  - Choose a file for upload or drag and drop one into this area

- **Energy Storage Nameplate Photo**
  - Not Uploaded
  - Choose a file for upload or drag and drop one into this area

- **Additional Photos**
  - Not Uploaded
  - Choose a file for upload or drag and drop one into this area

**General Comments**

Please click "Save and Continue" to save any information you provided above. You may return to this page multiple times to complete your updates as long as you remember to click "Save and Continue". Only when you click "Submit" on the next page will you complete your Project Validation.
Project Validation Review

Final Review

I certify that, to the best of my knowledge, all information provided in this submission is true and correct.

I will not interconnect and/or operate the identified system without prior written approval from Hawaiian Electric Companies.

I certify that I am the listed Property Owner or have been given permission from the Property Owner to Acknowledge Compliance & Submit the compliance requirements on the Property Owner’s behalf.

Enter your First and Last Name to sign Acknowledgement [REQUIRED]

Please review your project validation information carefully. To make any changes, you will need to use the tabs at the top of the page to return to the previous page, and remember to click "Save and Continue" to save any updates or changes made.

Once you have confirmed that the project validation information provided is accurate and complete, please click “Submit” to initiate the next step: Validation Review. You will not be able to make any changes once you click the “Submit” button and project validation information has been submitted.

Paper Application

Project Validation Received Date [REQUIRED]

Paper Application Scan

Project Validation Packet Scan [REQUIRED]

Choose a file for upload or drag and drop one into this area

Not Uploaded

Submit
Validation Requirements

- Same requirements as the current CSS Validation Procedure
- You have the option to upload photos individually or as a set
- Ensure what you submit in the Validation Packet matches the application. If changes were made, submit a Revision before the Validation

Validation Received Email

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8.85 kW Photovoltaic System ("PV System")

Thank you for submitting the project validation packet for your Smart DER - Export Interconnection Application.

Next Steps:
- We will review these documents and let you know if there is any missing information or other issues with your validation packet.
- During the validation process, we may contact you to schedule a witness verification test or an on-site inspection for verifying that your system meets the requirements noted in your application.

*Other Customers:* If you’ve submitted an attestation form in lieu of a full validation packet through the Expedited Validation Option, please remember that your system may be subject to audit after the agreement is executed. For details, please click on this link.

To check the status of your application, go online to the Customer Interconnection Tool. You can also find more information about Distributed Energy Resources programs at www.hawaiianelectric.com/DistributedEnergyResources.

As a reminder, your renewable energy system should not be turned on until you receive final approval from Hawaiian Electric.

If you have any questions, please contact us at 808-543-4700 or connect@hawaiianelectric.com.

Mahalo,
Hawaiian Electric

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Contact us by email or mail:

Hawaiian Electric
connect@hawaiianelectric.com
Distributed Energy Resources
P.O. Box 2750, CF13-5E
Honolulu, HI 96820
Inspection

- Company-specific requirements
- We will perform our inspection when the validation review is completed
- Track when the inspection is completed on the project summary page:
DocuSign Process

- After the project passes inspection, an email from DocuSign will be sent to the Property Owner and System Owner (if applicable)

Legend

- PROPERTY / SYSTEM OWNER
- CONTRACTOR
- UTILITY

DocuSign Process Overview
Permission to Operate

- After meter is changed out & the Agreement is fully executed, the PTO Email will be sent from CIT.
- Emails to signing parties (property owner & system owner) will also receive attachment with signed agreement.
Withdraw an Application

1. Navigate to Application List and click the User Actions to withdraw a CIT application

2. Select ‘Withdraw CIT Application’ from Application List page

OR

3. Through the Project Summary page
Withdraw Application

Internal Confirm

Are you sure you want to continue?

By pressing Continue on this page, you will set this application to a process phase of "Withdrawal". The withdrawal request will subsequently need to be approved, or rejected for the application to regain its previous process phase.

If you do not wish to continue, simply close this window.

Below are the details for the application you have selected.

Assigned to: Customer

Due Date:

<table>
<thead>
<tr>
<th>Project ID: P-SDN-23-233236</th>
<th>Progress Phase: Completeness Review</th>
<th>IIQ Status: CAR</th>
<th>Action For: Customer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Address: 820 WARD AVE, HONOLULU, HI 96814</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property Owner: test test</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Upload Withdrawal Form REQUIRED

Choose a file for upload or drag and drop one into this area

Enter Reason for Withdrawal REQUIRED

Please select a value

Is this withdrawal approved? REQUIRED

☐ Yes  ☐ No

Enter reason for rejection REQUIRED

Move to App Detail

Close Window
Setting up your account

Your company account must be verified and activated prior to using the tool.

Contractor Verification Process

- Company name must match the licensed business name found in the DCCA's (Department of Commerce and Consumer Affairs) records
- Company-specific email (contractor@solarcompany.com)
- Designated Company point of Contact (one per company)
- Provide a list of current employees who will need access to CIT
  - We will call the Point of Contact to verify the company’s representatives
- Regular registration online - set up Point of Contact account, which serves as the main account for your company
Questions or Comments?

DER Hotline: (808) 543-4760
Email: connect@hawaiianelectric.com