Residential Photovoltaic Systems
County of Kauai, Department of Public Works (DPW)
Kauai Island Utility Cooperative (KIUC)

Purpose: This process covers installation of residential photovoltaic (PV) systems on the rooftop of a house or ground mounted within the same residential lot.

Regulations / Authority: Hawaii Revised Statutes (HRS) 269-101 to 269-111; Kauai County Code Chapter 12 Building Code, Chapter 13 Electrical Code, and Chapter 14 Plumbing Code; KIUC Distributed Generation Interconnection Policies and Procedures

For Permit Application, Guidelines and Fees:
http://kauai.coopwebbuilder.com/sites/kauai.coopwebbuilder.com/files/tariff_2.pdf for KIUC Distributed Generation Interconnection Policies and Procedures.

Potential Approval Prerequisites: Pick up the Interconnection Request application at KIUC and the *Plan Review Checklist for Photovoltaic System Installation* at the DPW, as these are not available online.

Fees: Application Fees are required for the building and electrical permits, check with the DPW for required fees.

Application Form: Applications are not available online. Applications are available at KIUC and the DPW.

Contact Information: KIUC (808) 246-4300; DPW Building Permit Division (808) 241-6655

Checklist / Process	Chronology
1. Hire a solar contractor with an electrical contractor's C-13 license. Additional licenses may apply. For information on license requirements, contact the Hawaii Department of Commerce and Consumer Affairs (DCCA): http://cca.hawaii.gov/	
2. Submit an Interconnection Request application to KIUC including all requirements as listed in the application form. It is important to provide a complete application to avoid time delays.	
3. KIUC notifies the applicant that the Interconnection Request application has been received.	5 business days
4. KIUC reviews the Interconnection Request application for completeness.	15 business days
5. KIUC conducts a technical review and issues a Notice to Proceed or provides information about system upgrades and associated costs that will be required to proceed.	30 business days
6. Pick up at the DPW a *Plan Review Checklist for Photovoltaic System Installation* at their front counter. Submit building and electrical permits to the DPW including all requirements as listed in the checklist. For rooftop systems, roof mounting details verifying the roof is structurally adequate is required as part of the building permit application. Residential systems up to 10 KVA generally do not require an engineer's stamp.	
7. The DPW reviews the building and electrical permit applications for completeness.	days

8. The DPW approves the plans and issues the permits to a licensed electrical contractor.	days from Step 6
9. Install the PV system.	
10. The DPW inspects the PV system installation and issues a County Final Inspection.	days
11. Submit to KIUC, the contractor's Certificate of Completion, proof of inverter settings, and the County Final Inspection.	
12. KIUC will verify the system (Witness Test) and change the meter.	days
13. KIUC issues an Authorization to Operate in Parallel letter. Upon receipt of the authorization letter, the applicant can turn on the system.	days
Estimated Time from Completed Application Acceptance	**3 months to 1 year**

Other Application Considerations:

1. Solar photovoltaic equipment must be installed per the manufacturer's recommendations.
2. Fire risks must be considered, particularly for projects with batteries. Building and Electrical Permits may be routed to the County Fire Department for review.
3. Permits are routed to the Planning Department for compliance with applicable zoning codes. For ground-mounted installations, additional permits may apply (ground preparation, run-off, etc.).
4. Review DCCA's "Information for Consumers About Going Solar" at: http://cca.hawaii.gov/rico/files/2014/09/CLB-140903-Information-for-Consumer-About-Solar.pdf