



Residential Photovoltaic Pilot

Program Standards

**Florida Power & Light Company
Residential Photovoltaic Pilot**

Program Standards

Table of Contents

PROGRAM OBJECTIVES.....	1
CUSTOMER REQUIREMENTS.....	1
CONTRACTOR REQUIREMENTS.....	2
ELIGIBLE EQUIPMENT REQUIREMENTS.....	2
INSTALLATION REQUIREMENTS.....	2
REBATE PROCESSING.....	4
REPORTING REQUIREMENTS.....	5

Program Objectives

Description of purpose of program

The purpose of the Residential Photovoltaic (PV) Pilot Program is to reduce energy consumption and the growth of coincident peak demand by encouraging customers to install PV systems in residential dwellings.

Measures included in program

The measure included in this program is a PV system consisting of solar electric panels, mounting hardware, grid-interactive electric inverter(s), optional battery systems, associated cabling, and for systems over 10 kW AC, disconnect devices.

Output to the customers

Customers will receive a rebate to be applied towards the purchase of a qualifying PV system, technical assistance from FPL and reduced energy consumption.

Customer Requirements

Customer / premise eligibility

This program is available to all existing FPL residential customers.

Eligible rates

All metered residential retail rate schedules are eligible.

Dwelling / building type

All residential dwelling types are eligible for this program.

Age of dwelling / building type

All existing residential dwellings are eligible for this program.

Restriction from re-participation and exceptions

Each premise is eligible for one rebate for the duration of the pilot program.

For the purpose of this standard, a premise is defined as a dwelling under the control of a single customer where electric utility service terminates. Separate buildings and adjoining buildings in a group of buildings, which have separate FPL electric service, and contain separate dwellings, are separate premises.

Other customer requirements

Customers must submit an application to FPL and receive a reservation confirmation prior to the installation of a PV system. FPL's approval of this application is not a guarantee of a rebate payment. The payment of a rebate will be dependent upon final verification by FPL that all program requirements have been completed to the satisfaction of FPL.

The PV system must be interconnected to FPL through the service of the customer of record. The customer of record must sign a Net Metering Interconnection Agreement as per Rule 25-6.065, Net Metering of Customer-owned Renewable Generation (Interconnection Agreement).

Contractor Requirements

Licensing requirements

The contractor selected by the customer must meet any and all applicable legal licensing requirements of the State of Florida and local municipalities for the work being performed.

Eligible Equipment Requirements

Definition of system

The PV system consists of solar electric panels, mounting hardware, grid-interactive electric inverter(s), optional battery systems, associated cabling, and for systems over 10 kW AC, disconnect devices.

Accreditation of ratings

All customer-owned PV system components shall be tested and listed by a nationally recognized testing and certification laboratory for continuous interactive operation with an electric distribution system in compliance with the applicable codes and standards of IEEE 1547, IEEE 1547.1, and UL 1741.

Minimum efficiency

Not applicable

Minimum or maximum size of eligible equipment

The PV system must have a minimum nameplate rating of 2 kW direct current (DC), and a maximum nameplate rating of 2 MW DC to be eligible for a rebate.

Additional equipment requirements

All products installed must be new, not refurbished, nor previously installed. This rebate program is only for grid-interactive PV systems.

Installation Requirements

Specific installation requirements

The PV panels must be mounted flat, or tilted to a south, east or west orientation.

The system must be designed so that a PVWatts-1 calculation for the system indicates a minimum annual production of 1000 kWh per DC kW installed. The PVWatts-1 calculation value must be provided to FPL during the initial reservation application submittal. All installations must comply with all local, state and federal statutes, codes, ordinances, and accepted engineering practices.

Installation completed by contractor or customer

Installations must be completed by a licensed contractor. Self-installation by a customer who is not a licensed contractor is not permitted.

Pre-approval / pre-verification

System installation must not begin until FPL approval of the reservation is confirmed with receipt of a current reservation number. FPL reserves the right to conduct a pre-installation verification of the proposed installation site.

FPL will endeavor to notify customers of the status of their application for a rebate reservation within 3 business days from the date that it is received by FPL.

Fees or charges

Fees and charges for systems installed under this program are limited to the appropriate application fees associated with the FPL Net Metering Interconnection Agreement.

Timing to correct installation deficiencies

The customer will have 30 calendar days from the date of formal notification of deficiencies by FPL to make any corrections. Extensions may be granted on a case-by-case basis, at FPL's sole discretion.

Other installation requirements

Within 90 days of the date of FPL's reservation approval, the customer must have: a completed system installation, an approved final inspection by the Authority Having Jurisdiction, and all required documents submitted to FPL. The 90-day completion requirement may be extended on a case-by-case basis at FPL's sole discretion.

The installation must meet all of the requirements of the FPL Net Metering Interconnection Agreement including submitting a completed FPL Interconnection Agreement application, approved building permit, and for systems greater than 10 kW AC, appropriate proof of insurance, payment of application fee and the installation of any and all manual visible load break switches as approved by FPL.

FPL installation verification

FPL reserves the right to verify each installation, and the installations must be accessible for such verification. FPL will be the final judge of whether the program requirements have been met. Note that any verification activities by FPL personnel shall not be construed as any representation, assurance, guarantee or warranty by FPL of the safety, durability, suitability, quality, or reliability of the system.

Rebate Processing**Rebate schedule**

A rebate of \$2 per direct current (DC) Watt nameplate rating of the solar panels up to a maximum rebate per premise of \$20,000.

Rebate payment method

The customer is required to have a valid FPL reservation number for each eligible premise prior to the installation. The FPL Rebate Certificate and all paperwork must be completed in the name of the FPL customer of record. The customer will be paid upon completion of the installation and final verification, if applicable.

Issuance of FPL Rebate Certificate

The program will be administered by FPL through an application and reservation process. Reservations will be awarded to customers on a first-come-first-serve basis. Reservations will be limited to the funds as initially allocated, or as may be adjusted from time to time, to the program for each year.

The required documentation to complete an installation and request payment includes, but is not limited to:

- The FPL Rebate Certificate with the customer signature;
- A signed purchase agreement;
- A document showing the anticipated annual electric production using the PVWatts-1 calculation for the proposed system (including any appropriate derate for any shading);
- Digital photos of the installation and panel nameplate(s);
- A copy of the contractor's invoice to the customer;
- A signed interconnection agreement;
- A one-line diagram of the PV system; and
- A copy of the appropriate final passed permit, the date of issuance of which must be after the rebate reservation date.

All information and required documentation associated with the installation must be submitted by the customer to FPL within 90 days from the date of reservation

approval. The 90-day completion requirement may be waived on a case-by-case basis at the sole discretion of FPL.

The “funding year” begins January 1st of each year of the pilot. Each funding year’s dollars will be applied to reservations received from October 1st of the prior year through September 30th of the funding year. If on September 30th, additional funds remain, FPL may, if practical and at its sole discretion, attempt to apply these monies to applicants approved on or after October 1st of the current year. Otherwise rebates for reservations after September 30th will be paid during the next funding year. Applications in a given funding year will only be accepted until all program rebate funds have been committed. In the final funding year of the pilot, customers must complete the installation and submit all required documentation by November 1st in order to receive a rebate.

Reporting Requirements

All program charges such as payroll & benefits, material and supplies, outside services, advertising, vehicles, other and rebate costs shall be reported as part of the Energy Conservation Cost Recovery True-Up and Projection filings.

FPL will evaluate the energy and demand impacts through the use of engineering modeling analyses. This modeling will be calibrated with onsite metering research in a manner that most cost-effectively meets the overall impact evaluation objectives. For a statistically valid sample, FPL will analyze individual hourly energy and demand impacts, engineering and system design variations and their impact on energy and demand; analyze the billing impacts to customers while analyzing the data based on system size and configurations; and plan to meter the actual energy performance. FPL will monitor the installed costs over the life of the pilot program.