

Pennsylvania commercial, industrial, governmental, and institutional customers of FirstEnergy's Pennsylvania utilities (Met-Ed, Penn Power, Penelec, West Penn Power) may apply for energy efficiency rebate incentives for qualifying Solar Photovoltaic (PV) projects under the Custom Program.

Eligible Measures

Eligible Solar projects must meet the following requirements:

- The customer's retail tariff must be eligible for participation in FirstEnergy's PA Act 129 program.
- PV project must be compliant with FirstEnergy's Pennsylvania utilities retail tariff(s); including all interconnection and net metering requirements
- The PV project must be installed on the load-side of a FirstEnergy's commercial/industrial customer's meter.
- Auxiliary battery storage systems for the PV project are not eligible.
- Customer owned or leased PV projects are eligible.
- PV project size may be limited by terms of FirstEnergy Pennsylvania Utilities retail tariff(s), including interconnection and net metering requirements.
- PV project evaluation and verification are limited to the solar array's energy production.
- PV projects classified as Merchant or Wholesale are ineligible to participate.
- The proposed PV project must be determined to be cost effective using the Pennsylvania Total Resource Cost (TRC) test and any other applicable PA Public Utility Commission Rules. A TRC of greater than or equal to 1 is considered cost effective. (Contact a program administrator for TRC assistance)
- All PV project installations must meet all appropriate environmental regulations, and owner must attest that the facility is compliant with all local, state, and federal regulations.
- FirstEnergy will define PV solar incentive calculations.
- PV solar project incentive savings calculations will be conducted only for a solar project that has a physical connection at customer's service location; aggregated accounts or virtual metered accounts will not be included in incentive savings calculation.
- PV solar project incentive savings calculation will be determined and utilize an energy usage baseline developed for the Customer's facility by either: historical annual energy usage data or estimated energy usage for a newly constructed building or process.
- PV solar project incentive savings calculation will determine energy savings by calculating the energy usage displaced from determined energy usage baseline

by the PV solar project energy production to be seen at physical metered connection of Customer to FirstEnergy's PA utilities distribution system; PV solar project energy production will be determined by evaluation and verification.

- PV project incentive savings calculations will be capped at the determined energy usage baseline that is representative of annual average energy usage at physical metered connection of Customer to FirstEnergy's PA utilities distribution system.

Pre-Approval Requirements

A retail Interconnection Agreement must be submitted and approved by FirstEnergy Pennsylvania utilities prior to making application for a PV project to FirstEnergy's Pennsylvania Utilities PA Act 129 programs

FirstEnergy Interconnection Agreement can be found at: [Pennsylvania Interconnection \(firstenergycorp.com/feconnect/pennsylvania\)](https://pennsylvania.feconnect.com)

All PV projects must receive pre-approval prior to purchase and/or invoicing of any equipment to ensure that the proposed project meets the Company's Custom program eligibility requirements.

FirstEnergy's Pennsylvania utilities may consider PV projects that are completed, which have been placed into operation not more than 180 days prior to the application.

Effective Dates

To qualify for incentives for a PV project through the Custom Program, equipment must be new and installed on or after June 1, 2021, only after receipt of the formal pre-approval letter from the Program Administrator. All qualifying, pre-approved Solar projects must be fully installed, commissioned and operational no later than May 31, 2026.

Incentives

Incentives are paid at 3¢ per kWh for retail energy usage displaced from FirstEnergy's Pennsylvania utilities distribution system. Incentives are capped at 50 percent of PV project cost, up to \$500,000.

How do I apply?

Step 1

The participant should complete and submit an Interconnection Agreement to the local FirstEnergy Operational Company.

The following documents are required for PV project pre-approval:

- Final Letter of Approval and completed electrical inspection form **MUST** be submitted with the PA Act 129 Energy Efficiency Application or the PV project application will not be accepted.
- PV project details:
 - Project Summary
 - Overview of description of PV project
 - Relevant project related details pertaining to FirstEnergy's Pennsylvania utilities' tariffs, requirements, or policies
 - Pre- and post-installation equipment specifications and operating assumptions.
 - All energy calculations associated with the PV project
 - Manufacturer's specification cut sheets to verify size, technology, and efficiency levels of proposed/installed equipment
 - Completed Total Resource Cost Test (TRC) calculator (Contact Program Administrator for Assistance)
 - Solar energy production estimates using model inputs from one of the following:
 - PV Watts
 - System Advisor Model
 - Other FirstEnergy recognized and approved model (Contact Program Administrator for Assistance)
 - Customer Data
 - Customer Name:
 - Project Site Address
 - Customer Account Number
 - Electrical Data
 - Annual Energy Consumption of physical utility metered connection (average over 2 years)
 - Solar Electrical Rating - DC Panel Nameplate (kW)
 - Solar Electrical Rating - Inverter Nameplate (kW)
 - Annual gross kWh Energy Production
 - Annual Net kWh Energy Production (total energy generated less inverter losses)
- Calculation of annual energy production to be used on site (kWh)
- Calculation of annual auxiliary equipment usage (kWh)
- **Listing of auxiliary "parasitic" loads resulting from the PV project and equipment**
- Annual Solar Degradation Factor (over 15 years operation)
- Estimated coincident peak kW offset at the facility. Coincident peak kW savings are defined as the facility load offset during the hours from 2:00 to 6:00 p.m. during all days from June 1 through August 31, not including holidays or weekends.
- Project Cost Data
 - Total Project Cost Data (materials, installation, engineering, etc.)
 - Customer Owned Systems:
 - Documentation of any grants received
 - Tax credits received
 - Annual operational and maintenance costs
 - Project cost information breakdown is required:
 - Material costs
 - Installation costs
 - Customer Leased Systems:
 - Tax credits received
 - Documentation detail of Installed costs of project
 - Contract documents supporting the leasing arrangement
 - Calculations for Net Present Value (NPV) of project lease costs
 - Other Funding for Project (ex. state grants, renewable tax incentives, etc.)
 - Annual Operation and Maintenance Costs
- Completed and signed W-9 tax form for the incentive payee; W-9 form must be current and dated within the last 24 months.
- Copy of utility bill to confirm account number and service address. If desired, the participant may obscure all cost and rate related information. (Utility bill should be from within the last three months.)

Step 2

The Program Administrator will notify the applicant via email when the application review is complete, and the application is pre-approved.

Step 3

During construction and prior to commissioning of the PV project, a pre-inspection may be conducted.

Step 4

Upon completion of PV project construction, participants should review pre-approved project application and submit the following documents to the Program Administrator for review:

- Document listing any changes to PV project scope of work during construction
- Revised engineering and related energy savings analysis/calculations (if changes were made during construction)
- Detailed, itemized invoices or proofs of purchase for the equipment installed
- Completed letter of attestation on customer letterhead, signed by the customer

Step 5

After PV project is commissioned:

- The Program Administrator is to be notified by the applicant advising PV project is commissioned and to engage in discussions to develop Measure and Verification (M&V) plan schedule to verify the energy production of the new PV project. The M&V plan will include, but not be limited to, a predetermined time-period collection of metered data and any other operational data required to verify the energy production of the new PV system.

- The customer must install metering and provide metered data to FirstEnergy to support the Measurement and Verification (M&V) process for the PV project.
- At least four weeks of uninterrupted PV output data (AC, kWh) is needed if the resolution is hourly. Daily or monthly kWh outputs are acceptable but require a longer duration of metered data.
- The table below shows the duration of PV data collection required.

PV Production Time Series Resolution	Required Data Collection Duration
Hourly or sub-hourly	Four weeks
Daily	Five weeks
Monthly or arbitrary start/end dates	Three months

- Supporting technical documentation will be reviewed by the Program Administrator, and an on-site inspection to verify the installation and operation may be conducted.
- Upon receipt and verification of all required documentation and energy production of the new PV system, the incentive check will be processed and mailed to the applicant or to an authorized representative, if requested as part of the application process.

Apply online for Solar incentives today at www.energysavepa-business.com or contact us at 844-323-6399 844