



NET ENERGY METERING AND SMALL GENERATOR INTERCONNECTION APPLICATION CHECKLIST

**green power
connection™**
Maryland

We support renewable energy and partner with our customers to ensure safe and reliable interconnection of renewable energy into the electric grid.

Interconnection Process

- Customers who generate their own electricity with renewable energy sources can interconnect with the electric grid and receive bill credits for excess generation
- Green Power Connection™ (GPC) is Pepco's process for facilitating small generator interconnections and net energy metering (NEM) requests
- Small generator technologies that qualify for interconnection with our system include solar (photovoltaic or "PV"), wind, biomass, anaerobic digestion, fuel cells using renewable sources, qualifying closed circuit hydro-electric, micro-combined heat and power (up to 30 kW), and CHP or cogeneration. See our GPC website for more details
- Code of Maryland Regulations (COMAR) 20.50.09 for Small Generation Interconnection Standards (SGIS)* defines the application process Pepco follows
- COMAR 20.50.10 for *Net Metering Authority* defines the qualifications for net energy metering in Maryland

- The application fee must accompany the application and varies by nameplate capacity
- For customers who wish to feed generation back onto the grid and receive bill credits, a utility-supplied net-capable meter must be installed at the premise. Be sure to indicate your intention on the application

| Nameplate Capacity | Application Fee |
|---|---------------------------------------|
| Level 1 10 kW or less and inverter-based | No fee |
| Level 2 2 MW or less radial distribution circuit or spot network serving one customer | \$50 + \$1 per AC inverter rating kW |
| Level 3 area network (50 kW or less) radial distribution circuit (10 MW or less) | \$100 + \$2 per AC inverter rating kW |
| Level 4 less than 10 MW and not Level 1, 2, or 3 | \$100 + \$2 per AC inverter rating kW |

For more information contact
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Application Forms and Fees

- A fully completed and signed *Maryland Interconnection Application & Agreement* and fee are required. Most residential systems qualify for the Level 1 application; see the Level 2, 3, and 4 application on our GPC website
- The application is a two-part process. See the back of this sheet for components and requirements of Part I and Part II


 Energy for a changing world.™

Net Energy Metering and Small Generator Interconnections

Green Power Connection



| Steps | Actions To Take | Responsible Party |
|------------------|---|---|
| 1. Research | <ul style="list-style-type: none"> • Research the various types of renewable energy systems available and decide which system best fits your consumption needs. Renewable energy-generating systems can be sized to meet up to 200% of your energy needs • Understand your electrical load and energy consumption | <ul style="list-style-type: none"> • Customer |
| 2. Select | <ul style="list-style-type: none"> • Interview and select a reputable installing contractor | <ul style="list-style-type: none"> • Customer |
| 3. Apply | <ul style="list-style-type: none"> • Understand the documentation needed with the interconnection agreement (e.g., rebate forms, permit applications, inspection forms) • Apply and submit Part I of Pepco's interconnection application and agreement along with the fee and supporting documentation • Applications without supporting documentation will be delayed. You can re-submit a corrected application and documentation | <ul style="list-style-type: none"> • Customer |
| 4. Approval | <ul style="list-style-type: none"> • Wait for Pepco's Approval to Install before installing any renewable generator equipment • Pepco will provide you a written screening result or Approval to Install | <ul style="list-style-type: none"> • Customer • Pepco |
| 5. Install | <ul style="list-style-type: none"> • Begin constructing and installing your renewable generator facility | <ul style="list-style-type: none"> • Customer |
| 6. Inspect | <ul style="list-style-type: none"> • After installation, submit Part II of our interconnection agreement, including a copy of the certificate of completion and the inspection certificate • We will review your documentation to verify the interconnection application meets regulatory requirements | <ul style="list-style-type: none"> • Customer • Pepco |
| 7. Meter | <ul style="list-style-type: none"> • We will install your net-capable meter | <ul style="list-style-type: none"> • Pepco |
| 8. Authorization | <ul style="list-style-type: none"> • We will send you an Authorization to Operate letter | <ul style="list-style-type: none"> • Pepco |
| 9. Operate | <ul style="list-style-type: none"> • Receipt of the authorization letter means you can operate your renewable system | <ul style="list-style-type: none"> • Customer |

Level 1 Interconnection Application & Agreement Details

Part I requires:

- Customer of record contact information (name, mailing and email address, phone numbers)
- Alternate contact information
- Facility information (address, Pepco account, energy source, prime mover)
 - Type of application (new, addition, or upgrade)
 - Direct Current (DC) and Alternating Current (AC) inverter rating (in kW), and system design capacity
 - Generator and inverter manufacturer name, model number, and rating information
- Equipment installation contractor information
- Electrical contractor information
- Customer's signature
- Application fee
- Pepco also requires a single-line drawing of the system and site map along with Part I

Part II requires:

- Certificate of Completion
- Customer and system information must match the Part I submission
- Inspection Certificate (with clearly identified system type — solar, wind, etc.)
- Customer's signature

The *Level 2, 3, & 4, Maryland Interconnection Application & Agreement* requires additional information. Please see the application form for more details.

Frequently Asked Questions

Where do I start? Prior to installing or operating a generating facility, customers are required to apply and receive Pepco's written approval. Additional details are on our website.

How can I find out the amount of electricity I will generate? Many systems come furnished with a meter that shows generation, which is separate equipment. Discuss this with your contractor.

Are there other factors to consider? Yes. Electricity generation will fluctuate based on several factors — clouds, darkness, and dirty solar panels all limit generation. We recommend that you understand how your system will operate at varying conditions. You may still receive a Pepco bill even though you are generating electricity.

Why could my interconnection application be delayed or denied? Applications are delayed if required information is incomplete or missing, documents are unsigned, or fee payment is not included. In some regions, our utility may not have an open circuit, making net metering interconnection unavailable. For more details contact our GPC team.

Can you recommend a reputable installer? No. We recommend you research and consult with an installer or contractor by using publically available resources. If you decide to work with a contractor, it is your responsibility to ensure they use the appropriate forms, fees, and documentation throughout the interconnection process.