

# Smart Grid Test Bed Technology Validation and Testing

## Demonstration Details

**Demonstration:** Smart Solar

**Updated:** 10/1/2025

As indicated under Schedule 13, the Company will maintain the following information about incentive amounts, participation requirements and procedures for the Smart Grid Test Bed on a dedicated page of the Portland General website:

Demonstration	
Smart Solar	PGE will leverage customer owned "smart inverters" (those equipped with the IEEE 1547-2018 Standard) to assess the value of inverter-based controls to deliver distribution operations value (e.g., Volt/VAR support); address hosting capacity issues; and support orchestration of Distributed Energy Resources (DERs) together with distributed solar and storage to minimize grid export.
Incentives	
Incentive Amount	Eligible participants will receive a \$250 incentive paid at time of enrollment and will receive an additional ongoing incentive of \$10 per month while enrolled. The monthly incentive will begin at the month of enrollment after the tariff effective date and will continue through the end of the demonstration period (December 2024) unless the customer chooses to unenroll.
Participation Requirements	
Customer Eligibility	Schedule 7 and Schedule 32 customers with interconnected photovoltaic (PV) systems behind the meter with qualifying smart inverters as defined on the SGTB webpage customers with qualified equipment, up to a maximum of program participants
Eligible Area	In all territory serviced by the Company
Ongoing Requirements	To remain enrolled in the project and to continue to receive monthly incentives, the customer must maintain the connection of their smart inverter to their WiFi network and must continue to allow PGE to communicate with their system via the manufacturer's interface.
Procedures	
Application and Enrollment	Application and enrollment procedures for this demonstration, as available, can be found on the Company's website ( <a href="http://www.portlandgeneral.com/SGTB">www.portlandgeneral.com/SGTB</a> ).
Dispatch Parameters and Special Conditions	1. To remain enrolled in the project and to continue to receive monthly incentives, the customer must maintain the connection of their smart inverter to their WiFi network and must continue to allow PGE to



	<p>communicate with their system via the manufacturer's interface.</p> <ol style="list-style-type: none"> <li>The Customer may unenroll from the Smart Grid Test Bed demonstrations at any time. If a Customer unenrolls, the Customer is not eligible to re-enroll during the pilot period.</li> <li>At any time, PGE can interact with customer-owned equipment with intention to remotely adjust the device settings in accordance with project goals.</li> <li>The participant will retain ownership of the PV system equipment and is responsible for all maintenance, replacement, and disposal costs.</li> <li>Customers already enrolled in the Solar Payment Option are not eligible for the Smart Solar Study demonstration.</li> <li>Incentives may be provided at PGE's discretion via an on-bill credit on the Customer's next monthly billing statement, direct deposit, check issued to participants, or through payment to a qualified installer by PGE, PGE's authorized consultants, or the Energy Trust of Oregon.</li> <li>PGE is not responsible for any direct, consequential, incidental, punitive, exemplary, or indirect damages to the participating Customer or third parties that result from performing direct load control on a participating appliance.</li> <li>PGE shall have the right to select the schedule and the percentage of the Customer's appliance(s) to cycle at any one time, up to 100%, at its sole discretion.</li> <li>PGE will defer and seek recovery of all pilot costs not otherwise included in customer prices.</li> <li>The Company has the right to remove a Residential Customer from the pilot at any time, for any reason.</li> <li>If the Residential Customer moves from the enrolled residence during the term of the pilot, they are no longer eligible for the pilot.</li> </ol>
Opt-outs	<p>The Customer may unenroll from the Smart Grid Test Bed demonstrations at any time. If a Customer unenrolls, the Customer is not eligible to re-enroll during the demonstration period. The Residential Customer may terminate participation under this pilot voluntarily. The Customer will not receive a participation incentive if they withdraw or are removed from the pilot. The Customer must notify the Company to withdraw from the pilot.</p>
<b>Duration</b>	
End Date	December 31, 2024