

**SCHEDULE 13
RESIDENTIAL TESTBED PILOT**

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PURPOSE

The Testbed Pilot is a first-of-its-kind research project meant to advance PGE's collective understanding and development of demand response to gain insight into how PGE could provide a demand-side resource in lieu of traditional supply-side resources. Eligible customers are those in the geographical area defined by the SGTB boundary located on PGE's webpage regarding the "Smart Grid Testbed".

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The Testbed Pilot will achieve these goals through marketing and communications activities, an opt-out demand response program, and optional activities that seek to demonstrate ways that PGE may work with customers to perform flexible load services.

All eligible Testbed participants will be enrolled in an opt-out peak time rebate (PTR) in which customers may receive a rebate when they respond to PGE's notification of peak time events. Additional Optional Activities offered to Testbed participants presently include, water heater direct load control for flexible grid services and ductless heat pump controls for demand response. Additional offerings will require modification of this schedule.

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DEFINITIONS

Direct Load Control (DLC) - A remotely controllable technology that allows the utility to modify appliance energy usage for the purposes of demand response and other flexible load services.

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Direct Load Control Event – A period in which the Company will provide direct load control.

Event Notification – The Company may issue a notification of a PTR or DLC event to participating Customers. Participating Customers must choose at least one method for receipt of notification. Notification methods may include email, text, auto-dialer phone call, on thermostat display screen, or via mobile app notification. Notification may also be available on the Company's website. Prior event notification is not required for all optional activities.

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Holiday – The following are holidays for purposes of the program: New Year's Day (January 1), Memorial Day (last Monday in May), Independence Day (July 4), Labor Day (first Monday in September), Thanksgiving Day (fourth Thursday in November), and Christmas Day (December 25). If a holiday falls on a Saturday, the preceding Friday will be designated the holiday. If a holiday falls on a Sunday, the following Monday will be designated the holiday.

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Optional Activities – Flexible load services demonstrations, research projects, or other activities governed under this tariff.

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Peak Time Rebate (PTR) Program – customers choosing the PTR program are eligible to receive a rebate by reducing Energy use during Company-called events, relative to each Customer's baseline Energy use, as determined by the Company.

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SCHEDULE 13 (Continued)

DEFINITIONS (Continued)

Water Heater Direct Load Control Demonstration – Optional activity whereby customers with qualifying water heaters may opt to allow PGE to perform direct load control on the water heater. Customers will receive the credits outlined below for reduced water heater energy use during a DLC event. PGE may also provide enrollment incentives up to \$50 per customer at the company’s sole discretion. Qualifying water heaters are those that PGE is able to direct load control through onboard WiFi or a native CTA 2045 port.

Ductless Heat Pump Control Demonstration – Optional activity whereby customers with a ductless heat pump are eligible to receive a smart thermostat control at no cost, as well as the credits outlined below for reduced DHP energy use during a DLC event. PGE may also provide enrollment incentives up to \$50 per customer at the company’s sole discretion.

AVAILABLE

To Residential Customers within the PGE testbed geographic region, as defined on PGE’s webpage regarding the “Smart Grid Testbed”.

APPLICABLE

Eligible Residential (Schedule 7) Customers are automatically enrolled in the PTR portion of the Pilot, as described in the Enrollment section of this tariff. Customers within the geographic boundary of the Testbed may elect to participate in any Optional Activities for which they may have a qualified appliance or are otherwise qualified. Customers will remain on Schedule 7 and will be eligible for the incentive described in this schedule. Eligible Customers must have a Network Meter. See the Special Conditions section for additional eligibility criteria.

CHARGES AND CREDITS

Customers participating in this Pilot will continue to pay all fees and charges in Schedule 7.

Participants in PTR and/or an Optional Activity will receive the following credit for reducing Energy Usage during a PTR or DLC Event:

Credit 100.00 ¢ per kWh

To receive the Credit, the PTR Participant must reduce the home’s overall energy use relative to the Customer’s baseline energy use during a PTR event. The Optional Activity Participant’s appliance must respond to the DLC event and reduce load during the DLC event to receive the credit.

Credits may be calculated based on actual savings or estimated based on engineering estimates.

Events will not be called on Holidays or weekends.

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SCHEDULE 13 (Continued)

PEAK TIME REBATE (PTR) EVENT

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The PTR program has two event seasons: summer (the successive calendar months of June through September) and winter (successive calendar months of November through February). PGE will not call PTR events on weekends or Holidays. The Company will call PTR events only in event seasons. Prior to each season, the Company will remind the enrolled Customers that they are on the program, that they may participate in PTR events, and ways to be successful.

The Company initiates PTR events with an event notification to participating Customers the day prior to the PTR event. Participating Customers must choose at least one method for receipt of notification: email, text, or another available option. The Company will not call PTR events for more than two consecutive days. Reasons for calling events may include but are not limited to: Energy load forecasted to be in the top 1% of annual load hours, forecasted temperature above 90 or below 32, expected high generation heat rates and market power prices, and/or forecasted low or transitioning wind generation.

DIRECT LOAD CONTROL EVENT

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Direct Load Control Events occur in 5 minute increments during an event period between one hour to five hours. The Company may call multiple events per day but will not exceed five cumulative hours for the day. During Direct Load Control Events the Customer may allow the Company to control their enrolled appliance for the duration of the event. The Customer has the option not to participate in each event by opting out. The Company may initiate Direct Load Control Events with Event notification prior to the event, but Event notification is not required.

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PTR ENROLLMENT

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Eligible Customers within the PGE testbed geographic region will be automatically enrolled in PTR. Customers will be notified of the program, their enrollment and option to unenroll, by mail or email. In the program notification, PGE will also advise Customers how to be successful on the Pilot. The Customers will be enrolled prior to the term of the Pilot; eligible customers starting new service in the Testbed will be enrolled shortly after the start of service. Unless this Pilot is otherwise terminated, participating Customers will be enrolled for the entire pilot term.

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OPTIONAL ACTIVITIES ENROLLMENT

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Eligible Customers—those within the Testbed geographic region and with a qualified appliance or who are otherwise qualified have the option to enroll in additional demonstration or research projects. PGE will attempt to identify customers with qualified appliances or who are otherwise qualified to make them aware of the program. Customers may unenroll from the program at any time.

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SCHEDULE 13 (Concluded)

SPECIAL CONDITIONS

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| 1. The Customer may unenroll from PTR at the next regularly scheduled meter reading. If a Customer unenrolls from PTR, the Customer is not eligible to re-enroll during the pilot period. | (T)
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| 2. Customers already enrolled in a demand response offering are not eligible to participate in PTR. This includes, Schedule 3, Schedule 4, Schedule 5, Schedule 6, Time of Use under Schedule 7, Schedule 215, Schedule 216, Schedule 217, and the DLC option of this tariff. In addition, Solar Payment Option or Schedule 203 Net Metering Service are not eligible for this Pilot. | (T)
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| 3. Incentives may be provided in an on-bill credit on the Customer's next monthly billing statement or by check at the next billing statement after the event season ends. | (T) |
| 4. The Company 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. | (N) |
| 5. The Company 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. | (N) |
| 6. Customers with interconnected energy storage are only eligible for PTR if the energy storage system is controlled by the Company and not the Customer. | (T) |
| 7. The Company will defer and seek recovery of all pilot costs not otherwise included in customer prices. | (T) |

TERM

This Pilot concludes June 30, 2022. **(M)**