



Oregon

Kate Brown, Governor

Public Utility Commission

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August 9, 2022



BY EMAIL

Portland General Electric Company

pge.opuc.filings@pgn.com

RE: Advice No. 22-15

At the public meeting on August 9, 2022, the Commission adopted Staff's recommendation in this matter docketed as ADV 1417. The Staff Report and a receipted copy of the sheets in your advice filing are attached.

A handwritten signature in blue ink, appearing to read "Nolan Moser".

Nolan Moser

Chief Administrative Law Judge

Public Utility Commission of Oregon

(503) 378-3098

**PUBLIC UTILITY COMMISSION OF OREGON
STAFF REPORT
PUBLIC MEETING DATE: August 9, 2022**

REGULAR **CONSENT** **EFFECTIVE DATE** September 7, 2022

DATE: August 1, 2022

TO: Public Utility Commission

FROM: Mitchell Moore

THROUGH: Bryan Conway, Marc Hellman, and Matt Muldoon **SIGNED**

SUBJECT: PORTLAND GENERAL ELECTRIC:
(Docket No. ADV 1417/Advice No. 22-15)
Housekeeping Revisions to Tariff PUC No. 18.

STAFF RECOMMENDATION:

I recommend that the Commission approve Portland General Electric's (PGE or Company) housekeeping filing that revises its Tariff PUC No. 18, with an effective date of September 7, 2022.

DISCUSSION:

Issue

Whether the Commission should approve PGE's proposed housekeeping revisions to its Tariff PUC No. 18, with an effective date of September 7, 2022.

Applicable Law

The Commission may approve tariff changes if they are deemed to be fair, just, and reasonable. ORS 757.210. Tariff revisions may be made by filing revised sheets with the information required under the Commission's administrative rules, including OAR 860-022-0025. Filings that propose any change in rates, tolls, charges, rules, or regulations must be filed with the Commission at least 30 days before the effective date of the change. See ORS 757.220; OAR 860-022-0020.

Overview

On July 14, 2022, PGE filed a request to make a number of housekeeping changes to its PUC No. 18 Tariff for the purpose of correcting references, typographical errors, minor updates, and withdrawal of tariffs for pilot programs no longer in effect and that no longer have customers associated with them.

Tariff schedules being withdrawn include:

- Schedule 3 Residential Demand Response Water Heater Pilot. This program was terminated as of September 30, 2020, and the tariff is no longer applicable.
- Schedule 16 Electric Vehicle Pole Charging Demonstration Project ended as of October 1, 2021.
- Schedule 132 Federal Tax Reform Credit is no longer applicable as of December 31, 2020.
- Schedule 338 On Bill Loan Repayment Service Pilot – Portland Clean Energy Fund Program.
- Schedule 340 On Bill Repayment Service – Energy Efficiency and Sustainable Technologies (EEAST) have no participating customers.

The filing makes no changes to PGE rates, and the proposed changes do not affect existing PGE customers.

Conclusion

Staff reviewed the Company's filing and redline changes to the Company's Oregon PUC Tariff No. 18. Staff is satisfied that the changes are appropriate, do not make substantive changes that affect customers or operations, and reflect the current status of the tariff as previously approved by the Commission.

PROPOSED COMMISSION MOTION:

Approve PGE's housekeeping filing that revises its Tariff PUC No. 18 effective with service on and after September 7, 2022.

**PORTLAND GENERAL ELECTRIC COMPANY
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<u>Schedule</u>	<u>Description</u>	
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	Table of Contents, Rules and Regulations	
	<u>Residential Service</u>	
4	Multifamily Residential Demand Response Water Heater Pilot	(D)
5	Residential Direct Load Control Pilot	
7	Residential Service	
8	Residential Electric Vehicle Charging Pilot	
13	Residential Testbed Pilot	
14	Residential Battery Energy Storage Pilot	
	<u>Standard Service Schedules</u>	
15	Outdoor Area Lighting Standard Service (Cost of Service)	(D)
17	Community Solar - Optional	
18	Income-Qualified Bill Discount - Optional	
25	Nonresidential Direct Load Control Pilot	
26	Nonresidential Demand Response Program	
32	Small Nonresidential Standard Service	
38	Large Nonresidential Optional Time-of-Day Standard Service (Cost of Service)	
47	Small Nonresidential Irrigation and Drainage Pumping Standard Service (Cost of Service)	
49	Large Nonresidential Irrigation and Drainage Pumping Standard Service (Cost of Service)	
50	Retail Electric Vehicle (EV) Charging	
52	Nonresidential Electric Vehicle Charging Rebate Pilot	
53	Nonresidential Heavy-Duty Electric Vehicle Charging	
55	Large Nonresidential Green Energy Affinity Rider (GEAR)	
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76R	Partial Requirements Economic Replacement Power Rider	

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89	Large Nonresidential Standard Service (>4,000 kW)	
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99	Special Contracts	
	<u>Adjustment Schedules</u>	
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128	Short-Term Transition Adjustment	
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**PORTLAND GENERAL ELECTRIC COMPANY
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- 143 Spent Fuel Adjustment
- 145 Boardman Power Plant Decommissioning Adjustment
- 146 Colstrip Power Plant Operating Life Adjustment
- 149 Environmental Remediation Cost Recovery Adjustment,
Automatic Adjustment Clause
- 150 Transportation Electrification Cost Recovery Mechanism

Small Power Production

- 200 Dispatchable Standby Generation
- 203 Net Metering Service
- 204 Community Solar Program Interconnection and Power Purchase Schedule
- 215 Solar Payment Option Pilot Small Systems (10 kW or Less)
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Schedules Summarizing Other Charges

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- 402 Promotional Concessions Residential Products and Services

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490	Large Nonresidential Cost of Service Opt-Out (>4,000 kW and Aggregate to >30 MWa)	(T)
491	Street and Highway Lighting Cost of Service Opt-Out	
492	Traffic Signals Cost of Service Opt-Out	
495	Street and Highway Lighting New Technology Cost of Service Opt-Out	
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532	Small Nonresidential Direct Access Service	
538	Large Nonresidential Optional Time-of-Day Direct Access Service	
549	Large Nonresidential Irrigation and Drainage Pumping Direct Access Service	
575	Partial Requirements Service Direct Access Service	
576R	Economic Replacement Power Rider Direct Access Service	
583	Large Nonresidential Direct Access Service (31 – 200 kW)	
585	Large Nonresidential Direct Access Service (201 – 4,000 kW)	
589	Large Nonresidential Direct Access Service (>4,000 kW)	
590	Large Nonresidential Direct Access Service (>4,000 kW and Aggregate to >30 MWa)	(T)
591	Street and Highway Lighting Direct Access Service	
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**SCHEDULE 8
RESIDENTIAL ELECTRIC VEHICLE CHARGING PILOT**

PURPOSE

This Residential Electric Vehicle Charging Pilot (Pilot) is applicable to Residential Customers who own or lease an Electric Vehicle (EV). The Pilot offers rebates for the purchase, installation, and/or integration of technologies that help manage and increase the flexibility of load associated with residential EV Charging. The Pilot is expected to operate from October 23, 2020 to December 31, 2024.

(T)

AVAILABLE

In all territory served by the Company.

APPLICABLE

This Pilot is available to up to 5,000 eligible Residential Customers that elect to enroll and participate in the Pilot. Qualifying Customers will remain on Schedule 7 and be eligible for rebates and incentives described in this schedule.

DEFINITIONS

Active Charging Session – A period of time during which an EV is plugged into an EVSE for the purposes of having electricity supplied to the vehicle through the EVSE.

Direct Load Control – A remotely controllable communication device that allows the utility to operate an appliance/equipment, often by cycling.

Electric Vehicle Supply Equipment (EVSE) – The device, including the cable(s), coupler(s), and embedded software, installed for the purpose of transferring alternating current electricity at 208 or 240 volts between the electrical infrastructure and the EV.

Event Notification – The Company may issue a notification of a Managed Charging Event to participating Customers. Notification methods may include email, text, auto-dialer phone call, or via mobile app notification.

Holidays – The following are holidays for purposes of the Pilot: 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.

SCHEDULE 13 (Concluded)

SPECIAL CONDITIONS

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.
2. Customers already enrolled in a demand response offering are not eligible to participate in PTR. This includes, Schedule 4, Schedule 5, 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. (C)
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.
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.
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.
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.
7. The Company will defer and seek recovery of all pilot costs not otherwise included in customer prices.

TERM

This Pilot concludes December 31, 2022.

SCHEDULE 75 (Continued)

ADJUSTMENTS

Service under this schedule will be subject to all adjustments as summarized in Schedule 100. Applicable adjustments will be applied to Baseline Energy and Scheduled Maintenance Energy with the exception of Schedules 108 and 115, which are applied to factors other than usage as required by statute.

SPECIAL CONDITIONS

1. Prior to receiving service under this schedule, the Customer and the Company must enter into a written service agreement specifying the terms and conditions of service, the Customer's Baseline Demand and Energy Pricing Option under Schedule 89, the Customer's Reserved Capacity, the Company's and Customer's contact information, and any other information necessary for implementation of service under this schedule. The term of the service agreement will be one calendar year (except that the term of the first service agreement will be the remainder of the year when signed plus the next calendar year) and will renew annually thereafter for successive one year terms, unless the Customer gives 90 days prior written notice. These terms and conditions will be consistent with this schedule.
2. A Customer must inform the Company within 30 minutes of taking Unscheduled Energy at a rate of five MW or greater and inform the Company of the anticipated time that the generator will return to normal operations.
3. Customers must have Company approved interval metering and meter communications in place prior to initiation of service under this schedule. The Company requires metering that measures the net quantity and direction of flow at the Service Point and total Generator output.
4. If the Customer is served at Primary or Subtransmission Voltage, the Customer will provide, install, and maintain on the Customer's premises all necessary transformers to which the Company's service is directly or indirectly connected. The Customer also will provide, install, and maintain the necessary switches, cutouts, protection equipment, and the necessary wiring on both sides of the transformers. All transformers, equipment and wiring will be of types and characteristics approved by the Company and their installation, operation and maintenance will be subject to inspection and approval by the Company.
5. If during a Billing Period the Customer is billed for Transmission and Related Services under this schedule and Transmission Services under the Company's FERC Open Access Transmission Tariff (OATT) for the purpose of effecting a wholesale power sale from the Customer's generator, the payments for OATT charges for Transmission Service (Schedules 7 or 8), Regulation and Frequency Response Service will be credited to the Transmission and Related Services Charge under this schedule. The credit will be the actual OATT demand incurred but will not exceed the Monthly Demand for the Schedule 75 monthly Transmission Demand multiplied by the applicable OATT (OATT Schedules 7 or 8) and such credit will not exceed the Transmission and Related Services Charge incurred under this schedule. (C)
(C)

SCHEDULE 91 (Continued)

RATES FOR CUSTOM POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum, Fluted Ornamental	14	\$8.42	\$0.28	
Aluminum, Smooth Techtra Ornamental	18	18.40	0.62	
Aluminum, Fluted Ornamental	16	8.74	0.30	
Aluminum, Double-Arm, Smooth Ornamental	25	14.19	0.48	(C)
Aluminum, Fluted Westbrooke	18	17.29	0.58	
Aluminum, Non-Fluted Ornamental, Pendant	22	17.18	0.58	
Fiberglass, Fluted Ornamental Black	14	11.78	0.40	
Fiberglass, Anchor Base, Gray or Black	35	11.19	0.38	
Fiberglass, Anchor Base (Color may vary)	25	9.94	0.34	
	30	12.15	0.41	

SERVICE RATE FOR OBSOLETE LIGHTING

The following equipment is not available for new installations under Options A and B. To the extent feasible, maintenance will be provided. Obsolete Lighting will be replaced with the Customer's choice of Standard or Custom equipment. The Customer will then be billed at the appropriate Standard or Custom rate. If an existing Mercury Vapor luminaire requires the replacement of a ballast, the unit will be replaced with a corresponding HPS unit.

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>	
				<u>Option A</u>	<u>Option B</u>
Cobrahead, Metal Halide	150	10,000	60	*	\$1.16
Cobrahead, Mercury Vapor	100	4,000	39	*	*
	175	7,000	66	\$4.68	1.06
	250	10,000	94	*	*
	400	21,000	147	5.39	1.10
	1,000	55,000	374	5.33	1.22
Holophane Mongoose, HPS	150	16,000	62	*	1.98
	250	29,000	102	*	1.99
Special Box Similar to GE "Space-Glo"					
HPS	70	6,300	30	5.69	*
Mercury Vapor	175	7,000	66	5.69	1.16

* Not offered.

SCHEDULE 100 (Concluded)

SUMMARY OF APPLICABLE ADJUSTMENTS (Continued)

Schs.	131	134	135	136	137	138	139	142	143	145	146	149	150
7	x	x	x	x	x	x		x	x	x	x	x	x
15	x	x	x	x	x	x		x	x	x	x	x	x
32	x	x	x	x	x	x		x	x	x	x	x	x
38	x	x	x	x	x	x		x	x	x	x	x	x
47	x	x	x	x	x	x		x	x	x	x	x	x
49	x	x	x	x	x	x		x	x	x	x	x	x
75	x	x	x	x	x	x		x	x	x	x	x	x
76	x	x						x				x	
83	x	x	x	x	x	x		x	x	x	x	x	x
85	x	x	x	x	x	x		x	x	x	x	x	x
89	x	x	x	x	x	x		x	x	x	x	x	x
90	x	x	x	x	x	x		x	x	x	x	x	x
91	x	x	x	x	x	x		x	x	x	x	x	x
92	x	x	x	x	x	x		x	x	x	x	x	x
95	x	x	x	x	x	x		x	x	x	x	x	x
485	x	x			x	x		x	x			x	x
489	x	x			x	x		x	x			x	x
490	x	x			x	x		x	x			x	x
491	x	x			x	x		x	x			x	x
492	x	x			x	x		x	x			x	x
495	x	x			x	x		x	x			x	x
515	x	x	x	x	x	x		x	x	x	x	x	x
532	x	x	x	x	x	x		x	x	x	x	x	x
538	x	x	x	x	x	x		x	x	x	x	x	x
549	x	x	x	x	x	x		x	x	x	x	x	x
575	x	x	x	x	x	x		x	x	x	x	x	x
576	x	x						x				x	
583	x	x	x	x	x	x		x	x	x	x	x	x
585	x	x	x	x	x	x		x	x	x	x	x	x
589	x	x	x	x	x	x		x	x	x	x	x	x
590	x	x	x	x	x	x		x	x	x	x	x	x
591	x	x	x	x	x	x		x	x	x	x	x	x
592	x	x	x	x	x	x		x	x	x	x	x	x
595	x	x	x	x	x	x		x	x	x	x	x	x
689	x	x		x	x	x	x	x	x			x	x

(C)

(C)

1. Where applicable.
2. These adjustments are applicable only to the Baseline and Scheduled Maintenance Energy.
3. Schedule 108 applies to the sum of all charges less taxes, Schedule 109 and 115 charges and one-time charges such as deposits.
4. Applicable to Nonresidential Customer who receive service at Daily pricing (other than Cost of Service) or Direct Access (excluding service on Schedules 485, 489, 490, 491, 492 and 495).
5. Not applicable to Customers where service was received for the entire calendar year that the Annual Power Cost Variance accrued.

SCHEDULE 138 (Concluded)

ADJUSTMENT RATE (Continued)

<u>Schedule</u>	<u>Adjustment Rate</u>	
89/589		
Secondary	0.003	¢ per kWh
Primary	0.003	¢ per kWh
Subtransmission	0.003	¢ per kWh
90/590		
Primary	0.003	¢ per kWh
Subtransmission	0.003	¢ per kWh
91/591	0.003	¢ per kWh
92/592	0.003	¢ per kWh
95/595	0.003	¢ per kWh

BALANCING ACCOUNT

The Company will maintain a balancing account to accrue differences between the incremental costs associated with energy storage pilots and the revenues collected under this schedule. This balancing account will accrue interest at the Commission-authorized rate for deferred accounts.

(C)

DEFERRAL MECHANISM

Each year the Company may file a deferral request to defer the incremental costs associated with the implementation and administration of the energy storage pilots. The rate on this schedule recovers only the incremental costs for implementation and administration of energy storage pilots. The deferral will be amortized over one year in this schedule unless otherwise approved by the Oregon Public Utility Commission.

SPECIAL CONDITION

1. Costs recovered through this schedule will be allocated to each schedule using the applicable schedule's forecasted energy on the basis of an equal percent of generation revenue applied on a cents per kWh basis to each applicable rate schedule.

SCHEDULE 300 (Continued)

TRANSFORMERS

Transformer Content

Upon request, PGE will research its records to provide a customer with Polychlorinated Biphenyls (PCB) content of a PGE transformer. Records searches could reveal the PCB content in specified transformer or that the PCB content is unknown. In the situation where the PCB content is unknown, an additional request can be made to test the PCB concentration.

Research Transformer PCB Content
PCB Content-Specific Transformer

\$75.00 per Transformer⁽¹⁾

Additional Request
Concentration Test

site-by-site basis⁽²⁾

(T)

PCB Records Request

To request a records search to determine the PCB content of PGE equipment, please contact PGE's Environmental Services to request a PCB Inquiry form. The form can be sent electronically or by postal service, if needed. Complete the form and return it, along with payment to: PGE PCB Inquiry, 121 SW Salmon Street, WTCBR05, Portland, OR 97204. Checks are made payable to PGE PCB Inquiry and submitted with the PCB Inquiry form.

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- (1) PGE transformers often have stickers which indicate the PCB concentration of the oil within that transformer. The Customer may determine the content by observing the sticker. The PCB content of equipment with green stickers is unknown. However, blue stickers indicate <1 parts per million (PPM) PCB, red stickers indicate <15 ppm PCB, and black stickers indicate <48 ppm PCB.
 - (2) The additional cost of testing PCB concentration is determined on a site-by-site basis, and based on whether the following activities are required: de-energizing equipment, collecting samples, contracting sample analyses, and preparation of a summary report. In some instances, a proposal from a contractor may be required.

SCHEDULE 575 (Continued)

SPECIAL CONDITIONS (Continued)

4. If the Customer is served at Primary or Subtransmission Voltage, the Customer will provide, install, and maintain on the Customer's premises all necessary transformers to which the Company's service is directly or indirectly connected. The Customer also will provide, install, and maintain the necessary switches, cutouts, protection equipment, and the necessary wiring on both sides of the transformers. All transformers, equipment, and wiring will be of types and characteristics approved by the Company, and their installation, operation and maintenance will be subject to inspection and approval by the Company.
5. If during a Billing Period, the Customer or its ESS is billed for Ancillary Services under this schedule and Transmission Services under the Company's FERC Open Access Transmission Tariff (OATT) for the purpose of effecting a wholesale power sale from the Customer's generator, the payments for OATT charges for Transmission Service (Schedules 7 or 8), Regulation and Frequency Response Service will be credited to the Ancillary Services Charge under this schedule. The credit will be the actual OATT charges incurred but will not to exceed the Monthly Demand for the Schedule 575 monthly Ancillary Services Demand multiplied by the applicable OATT (OATT Schedules 7 or 8) and such credit will not exceed the Ancillary Services Charge incurred under this schedule. No credit will be provided against any Energy Imbalance Service charges. (C)
6. A Customer's failure to inform the Company of use of on-site generation will not relieve the Customer of responsibility for the charges and requirements under this schedule.
7. The Customer's Baseline Demand may be increased or decreased as requested by the Customer for planned, long-term load changes including changes resulting from the addition of long-term energy efficiency measures, load shedding, the addition or removal of equipment or the permanent removal of generating capacity from the Customer location. Such changes will be effective upon verification of the change by the Company. "Long-term" or "permanent" mean changes that are implemented with the purpose of being in place indefinitely. The Customer's Baseline Demand may be modified by the Company if the Company determines that the level does not reflect load adjusted for the Customer's generating capacity. (C)
8. A change in Baseline Demand related to modifications in generating capacity or planned generation operations may be made provided the Company or Customer provides the following notice:
 - a) for a change to Baseline Demand that within a one calendar year period does not exceed 5 MW, the Company or Customer may make one such request per calendar year and will provide at least 6 months written notice;
 - b) for a change in Baseline Demand that is greater than 5 MW, the Company or Customer must provide at least 13 months written notice with such change effective on January 1 of the applicable year. Any subsequent notice by the Company or Customer under this special condition must be made consistent with these notice requirements.

2. **Metering Requirements**

(D)

A. **Standard**

The Company will install at the Customer's Service Point (SP) a meter capable of registering kWh usage. Meters capable of registering Demand, Reactive Demand, and time of use or interval usage will be installed when required due to the Customer's Electricity usage or rate schedule.

B. **Interval Metering**

The Company will meter Electricity usage in intervals of 30-minutes or less for Customers that purchase Electricity Service from an ESS, with the exception of unmetered loads. Where an interval meter does not exist at the time the Company receives a Direct Access Service Request (DASR), the Company has 30 days from the date the DASR is accepted to install such meter. Once installed, the Customer may begin purchasing Electricity from the ESS. A Customer who would not normally receive interval metering may, at its request, have an interval meter installed at the charge established in Schedule 300.