



# Oregon

Kate Brown, Governor

## Public Utility Commission

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December 28, 2021



BY EMAIL

Portland General Electric Company

pge.opuc.filings@pgn.com

RE: Advice No. 21-41

At the public meeting on December 28, 2021, the Commission adopted Staff's recommendation in this matter docketed as ADV 1348. The Staff Report and a receipted copy of the sheets in your advice filing are attached.

Nolan Moser

Chief Administrative Law Judge

Public Utility Commission of Oregon

(503) 378-3098

**PUBLIC UTILITY COMMISSION OF OREGON  
STAFF REPORT  
PUBLIC MEETING DATE: December 28, 2020**

REGULAR  CONSENT  EFFECTIVE DATE January 1, 2022

**DATE:** December 20, 2021

**TO:** Public Utility Commission

**FROM:** Scott Gibbens

**THROUGH:** Bryan Conway and Caroline Moore **SIGNED**

**SUBJECT:** PORTLAND GENERAL ELECTRIC:  
(Docket No. ADV 1348/Advice No. 21-41)  
Annual Update Tariff, updates Schedules 26 and 125 consistent with final net variable power costs.

**STAFF RECOMMENDATION:**

The Oregon Public Utility Commission (Commission) should approve the filing submitted by Portland General Electric (PGE) in compliance with Order No. 21-380 and allow the tariff sheets filed in Advice No. 21-41 to go into effect on January 1, 2022.

**DISCUSSION:**

Issue

Whether the Commission should approve PGE's filing implementing changes to its rates approved by the Commission in Order No. 21-380.

Applicable Law

Under ORS 757.205(1):

Every public utility shall file with the Public Utility Commission, within a time to be fixed by the commission, schedules which shall be open to public inspection, showing all rates, tolls and charges which it has established and which are in force at the time for any service performed by it within the state, or for any service in connection therewith or performed by any public utility controlled or operated by it.

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. OAR 860-022-0025(2) specifically requires that each energy utility changing existing tariffs or schedules must include in its filing a statement plainly indicating the increase, decrease, or other change made with the filing, the number of customers affected by the proposed change and the resulting change in annual revenue; and the reasons or grounds relied upon in support of the proposed change.

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. ORS 757.220; OAR 860-022-0015. Tariff filings to be effective on less than 30 days following notice of the change may be authorized with a waiver of less than statutory notice pursuant to ORS 757.220 and OAR 860-022-0020.

OAR 860-022-0030(1) further requires that for tariff or schedule filings proposing increased rates, the utility must for each separate schedule, identify the total number of customers affected, the total annual revenue derived under the existing schedule, and the amount of estimated revenue which will be derived from applying the proposed schedule, the average monthly use and resulting bills under both the existing rates and the proposed rates that will fairly represent the application of the proposed tariff or schedules, and the reasons or grounds relied upon in support of the proposed increase.

In Order No. 21-380, the Commission adopted a stipulation that resolved all issues related to PGE's 2022 Annual Power Cost update and forecast of net variable power costs. The stipulation, in part, ordered PGE to file its final power cost model (MONET) run on or before November 15, 2021, producing the final Annual Update Tariff Adjustment for 2021.<sup>1</sup>

## Analysis

### *Initial Filing*

On April 1, 2021, PGE filed its 2022 net variable power cost (NVPC) projection, consistent with the terms of its Schedule 125, which implements the Company's Annual Update Tariff (AUT). The AUT is designed to allow PGE to revise customer rates to reflect those changes in its projected NVPC resulting from new information. NVPC include wholesale power purchases and sales, fuel costs, and other costs that generally change as power output changes. The filing included direct testimony in support of the 2022 NVPC projection of \$511.8 million, or approximately \$26.33 per megawatt-hour

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<sup>1</sup>See Docket No. UE 391, Order No. 21-380, p. 10.

(MWh). This would have translated to an overall rate increase of approximately \$1.92 per MWh from the final 2021 projected power costs. The primary factors responsible for the increase were an increase in market purchase costs and an increase in load in 2022.<sup>2</sup>

Because PGE filed its 2022 NVPC non-concurrent with a general rate revision, the Company is allowed, per Order No. 08-505, to update the following model parameters, but not propose changes to their model:<sup>3</sup>

- a) Forward Price Curves;
- b) Load Forecasts;
- c) Heat rates;
- d) Pacific Northwest Coordination Agreement Headwater Benefit Study;
- e) Contracts for wholesale power and power purchases and sales;
- f) Wind availability forecast;
- g) PURPA contract expenses; and
- h) Maintenance and Forced Outage rates.

#### *UE 391 Proceedings*

Following PGE's initial filing, the stipulating parties held a workshop to discuss issues and review PGE's Multi-area Optimization Network Energy Transaction power cost forecasting model (MONET) on May 28, 2021.

Staff, the Oregon Citizens' Utility Board (CUB), and the Alliance of Western Energy Consumers (AWEC) filed testimony related to all AUT Issues on June 30, 2021.

On July 13, 2021, the Stipulating Parties participated in a settlement conference. On July 26, 2021, PGE filed reply testimony on all issues as parties were unable to come to a full agreement. On August 2, 2021, the Stipulating Parties held a second settlement conference whereby all issues in the case were resolved. On August 4, 2021, PGE filed a motion to suspend the procedural schedule related to the AUT Issues, indicating that the parties had reached an agreement in principle. The administrative law judge granted the motion.

On August 30, 2021, PGE filed a stipulation and supporting testimony joined by Staff, CUB, and AWEC. The stipulation settled all issues raised in the proceedings including:

- a) Production Tax Credit (PTC) Rate;
- b) Energy Storage Systems in MONET;

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<sup>2</sup> UE 391, PGE/100, Vhora - Outama – Batzler/1.

<sup>3</sup> See Docket No. UE 198, Order No. 08-505, Appendix A, p. 4.

- c) Schedule 125 language;
- d) Wheatridge Performance Report updates;
- e) Day-Ahead Forecast Error Escalation and Error modeling;
- f) Western Energy Imbalance Market;
- g) Wheatridge Battery Storage;
- h) California-Oregon Border Trading Margin;
- i) Transmission Resales;
- j) Carty, Colstrip, and Beaver Forced Outage Rate;
- k) Avangrid Capacity Contract; and
- l) Lydia 2.0.

The Commission issued Order No. 21-380 on November 1, 2021, adopting the AUT Issue stipulation and requiring the Utility to complete a final MONET run by November 15, 2021, to finalize estimated power cost amounts.

#### *MONET Updates*

The Annual Update Tariff process includes four periodic updates to forecasted NVPC for the following year with revisions to load forecasts, price forecasts, and contracts as they are realized. Each change in parameters produces a revised net variable power cost by updating the MONET dispatch tool and running the model again for the test year.

On July 15, 2021, PGE updated contract and electric and gas forward curves as of May 28, 2021. The NVPC forecast for 2021 increased roughly \$1.6 million from the April 1, 2020, initial filing to approximately \$513.3 million. This increase was primarily due to capacity contract updates and electric and gas forward price curves updates.

On October 1, 2021, PGE performed a MONET update based on contracts and electric and gas forward curves as of August 30, 2021. PGE's NVPC forecast for 2021 increased to approximately \$518.7 million, an increase of roughly \$5.3 million from the July 15, 2021 update filing. This increase is primarily due: 1) electric and gas forward price curves, 2) updating the 2022 load forecast, 3) hydro maintenance updates, 4) and updates to BPA transmission rates. The power cost increases are partially offset by: 1) incorporation of the August 30, 2021 NVPC Stipulation, 2) additional gas storage benefits associated with an expansion to the Kelso-Beaver pipeline capacity, 3) updates to PGE's term contracts, and 4) an increase in the EIM net benefit value.

On November 5, 2021, PGE updated contracts and electric and gas forward curves as of October 14, 2021. The NVPC forecast for 2021 increased to \$543.8 million, an increase of roughly \$25.1 million from the October 1, 2021, update filing. This increase

is primarily due to electric and gas forward price curves, and fuel and power contract updates.

On November 15, 2021, PGE performed the final update of its 2022 NVPC forecast. This update included 2022 electric and natural gas forward prices based on a five-day average of the forward curves on November 1, 2021, through November 5, 2021. The final NVPC forecast totaled \$544.0 million, an increase of approximately \$0.2 million from the November 5, 2021, update filing, which is due to the updates to electric and natural gas forward prices and QF contracts.

On November 19, 2021, CUB and AWEC filed joint comments in opposition to the November 1, 2021, MONET update related to the confidential terms of the Wheatridge PPA contract. On November 24, 2021, PGE filed reply comments accepting CUB and AWEC's recommended action and adjustment to NVPC. This results in a final NVPC of roughly \$29.7 per MWh, or an increase of \$5.29 per MWh. This equates to a roughly 3.2 percent increase in the typical Schedule 7 Residential customer's total monthly bill. These changes will impact all of the roughly 900,000 Cost-of-Service customers.

*Effect of Docket No. UE 391 and Advice No. 21-41*

On November 15, 2021, PGE filed Advice No. 21-41. PGE filed replacement sheets on November 30, 2021, as a result of the objection filed by AWEC and CUB. Staff reviewed the filing, tariff schedules, and workpapers to ensure the proposed filing is accurately calculated and consistent with Commission policy and direction.

In addition to Schedule 125, which updates NVPC, Advice No. 21-41 also updates Schedule 26 (Nonresidential Demand Response Pilot Program) and updates various System Usage, Distribution, and lighting fixture charges. Schedule 26, Nonresidential Demand Response Pilot Program energy prices are updated based on the 2022 forward market gas prices contained in the final UE 391 NVPC update. The System Usage and other various charges are reset based on new long-term direct access participation during the September 2020 enrollment window. The changes in System Usage, Distribution, and lighting fixture prices result in an increase of approximately \$7.6 million.

In total, 43 sheets are updated through Advice No. 21-41, a list of which can be found on the first page of the Company's application.

Staff's only further contact with the Company regarding this filing was to get the workpapers in their spreadsheet format in order to complete the review process.

Based on Staff's analysis of PGE's advice filing and associated workpapers, Staff finds the filed rates to be accurate and consistent with Order No. 21-380 and applicable law. Staff further finds that all of the revised tariff sheets correct and that the Company's filing results in rates that are fair, just, and reasonable.

### Conclusion

Based on the review of PGE's application, Staff concludes that the proposed revisions are consistent with Order No. 21-380 and result in rates that are fair, just, and reasonable.

### **PROPOSED COMMISSION MOTION:**

Approve the filing submitted by PGE in compliance with Order No. 21-380 and allow the tariff sheets filed in Advice No. 21-41 to go into effect on January 1, 2022.

## SCHEDULE 7 RESIDENTIAL SERVICE

### PURPOSE

This schedule provides Standard and Optional Service choices for residential customers. Optional Services include a time of use (TOU) portfolio option, Peak Time Rebate, and Green Future<sup>SM</sup> renewable portfolio options.

### AVAILABLE

In all territory served by the Company.

### APPLICABLE

To Residential Customers.

### DEFINITIONS

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

### ENERGY PRICE PLANS (DEFAULT PLAN AND TIME-OF-USE PORTFOLIO OPTION)

#### RESIDENTIAL SERVICE PRICE PLAN (DEFAULT PLAN)

This default plan is provided to Residential Customers who do not choose the TOU Portfolio option price plan.

#### **Monthly Rate**

The default plan is priced as the totals of the following charges per Service Point (SP)<sup>\*</sup>, <sup>\*\*</sup>:

<u>Basic Charge</u>	\$11.00		
<u>Transmission and Related Services Charge</u>	0.243	¢ per kWh	
<u>Distribution Charge</u>	4.694	¢ per kWh	(I)
<u>Energy Charge**</u>			
First 1,000 kWh	6.329	¢ per kWh	
Over 1,000 kWh	7.051	¢ per kWh	

\* See Schedule 100 for applicable adjustments.

\*\* As defined in Section Rule B of this tariff.



**SCHEDULE 7 (Continued)**

ENERGY PRICE PLANS: DEFAULT PLAN (Continued)

Special Conditions Related to Peak Time Rebate Options

1. To be eligible for a PTR credit, the Customer must agree to receive PTR notifications.
2. The Customer may unsubscribe from the PTR event notification at any time. If the Customer unsubscribes, they will receive credit only for those events for which they are enrolled and receive notifications.
3. The PTR incentive 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. Customers enrolled in Schedule 5 Direct Load Control are not eligible to participate in PTR on this schedule.
5. Customers with interconnected energy storage are only eligible for this schedule if the energy storage system is controlled by the Company and not the Customer.
6. The Company will defer and seek recovery of all PTR costs not otherwise included in rates.

TIME-OF-USE PORTFOLIO OPTION (WHOLE PREMISES OR ELECTRIC VEHICLE CHARGING) (Enrollment is necessary)

This option provides TOU pricing for transmission and related services, distribution and energy\*.

**Monthly Rate**

<u>Basic Charge</u>	\$11.00		
<u>On-Peak Charge</u>	<u>30.600</u>	¢ per kWh	(I)
Transmission and Related Services	0.830	¢ per kWh	
Distribution	14.880	¢ per kWh	(I)
Energy	14.890	¢ per kWh	
<u>Mid-Peak Charge</u>	<u>10.020</u>	¢ per kWh	(I)
Transmission and Related Services	0.200	¢ per kWh	
Distribution	3.870	¢ per kWh	(I)
Energy	5.950	¢ per kWh	
<u>Off-Peak Charge</u>	<u>6.500</u>	¢ per kWh	
Transmission and Related Services	0.100	¢ per kWh	
Distribution	2.274	¢ per kWh	
Energy	4.126	¢ per kWh	
Over 1,000 kWh block adjustment**	0.722	¢ per kWh	

\* See Schedule 100 for applicable adjustments.

\*\* Not applicable to separately metered Electric Vehicle (EV) TOU option.

**SCHEDULE 7 (Continued)**

ENERGY PRICE PLANS: TOU PORTFOLIO OPTION (Continued)

***On- and Off-Peak Hours***

On-Peak	5:00 p.m. to 9:00 p.m. Monday-Friday
Mid-Peak	7:00 a.m. to 5:00 p.m. Monday-Friday;
Off-Peak	9:00 p.m. to 7:00 a.m. Monday-Friday; All day. Saturday, Sunday and holidays

Note: For Customers with Non-Network Meters, the time periods set forth above will begin and end one hour later for the period between the second Sunday in March and the first Sunday in April, and for the period between the last Sunday in October and the first Sunday in November. Customers with Network Meters will observe the regular daylight-saving schedule.

Holidays are as follows: New Year's Day on January 1; Memorial Day, the last Monday in May; Independence Day on July 4; Labor Day, the first Monday in September; Thanksgiving Day, the fourth Thursday in November; and Christmas Day on 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.

**LEGACY TIME-OF-USE PORTFOLIO OPTION (WHOLE PREMISES OR ELECTRIC VEHICLE CHARGING)**

This option provides TOU pricing for transmission and related services, distribution and Energy\*.

***Monthly Rate***

<u>Basic Charge</u>	\$11.00		
<u>Transmission and Related Services Charge TOU Portfolio</u>			
On-Peak Period	0.397	¢ per kWh	
Mid-Peak Period	0.397	¢ per kWh	
Off-Peak Period	0.000	¢ per kWh	
<u>Distribution Charge TOU Portfolio</u>			
On-Peak Period	7.671	¢ per kWh	(I)
Mid-Peak Period	7.671	¢ per kWh	(I)
Off-Peak Period	0.000	¢ per kWh	
<u>Energy Charge TOU Portfolio</u>			
On-Peak Period	12.380	¢ per kWh	
Mid-Peak Period	7.051	¢ per kWh	
Off-Peak Period	4.128	¢ per kWh	
First 1,000 kWh block adjustment**	(0.722)	¢ per kWh	

\* See Schedule 100 for applicable adjustments.

\*\* Not applicable to separately metered Electric Vehicle (EV) TOU option.

**SCHEDULE 15  
OUTDOOR AREA LIGHTING  
STANDARD SERVICE  
(COST OF SERVICE)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Customers for outdoor area lighting.

**CHARACTER OF SERVICE**

Lighting services, which consist of the provision of Company-owned luminaires mounted on Company-owned poles, in accordance with Company specifications as to equipment, installation, maintenance and operation.

The Company will replace lamps on a scheduled basis. Subject to the Company's operating schedules and requirements, the Company will replace individual burned-out lamps as soon as reasonably possible after the Customer notifies the Company of the burn-out.

**MONTHLY RATE**

Included in the service rates for each installed luminaire are the following pricing components:

<u>Transmission and Related Services Charge</u>	0.152	¢ per kWh
<u>Distribution Charge</u>	6.431	¢ per kWh
<u>Cost of Service Energy Charge</u>	4.898	¢ per kWh

(I)

**SCHEDULE 15 (Continued)**

MONTHLY RATE (Continued)

Rates for Area Lighting

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	Monthly Rate <sup>(1)</sup> <u>Per Luminaire</u>	
Cobrahead Mercury Vapor	175	7,000	66	\$12.33 <sup>(2)</sup>	(I)
	400	21,000	147	22.17 <sup>(2)</sup>	
	1,000	55,000	374	48.46 <sup>(2)</sup>	
HPS	70	6,300	30	8.23 <sup>(2)</sup>	
	100	9,500	43	9.73	
	150	16,000	62	12.02	
	200	22,000	79	14.35	
	250	29,000	102	16.87	
	310	37,000	124	19.76 <sup>(2)</sup>	
	400	50,000	163	23.94	
Flood, HPS	100	9,500	43	9.62 <sup>(2)</sup>	
	200	22,000	79	14.56 <sup>(2)</sup>	
	250	29,000	102	17.16	
	400	50,000	163	24.16	
Shoebox, HPS (bronze color, flat lens or drop lens, multi-volt)	70	6,300	30	9.54	
	100	9,500	43	10.73	
	150	16,500	62	13.23	
Special Acorn Type, HPS	100	9,500	43	12.98	
HADCO Victorian, HPS	150	16,500	62	15.16	
	200	22,000	79	17.78	
	250	29,000	102	20.42	
Early American Post-Top, HPS Black	100	9,500	43	10.10	(I)

(1) See Schedule 100 for applicable adjustments.

(2) No new service.

**SCHEDULE 15 (Continued)**

MONTHLY RATE (Continued)  
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Per Luminaire<sup>(1)</sup></u>	
Special Types					
Cobrahead, Metal Halide	150	10,000	60	\$12.20	(I)
	175	12,000	71	13.54	
Flood, Metal Halide	350	30,000	139	21.43	
	400	40,000	156	23.56	
Flood, HPS	750	105,000	285	41.38	
HADCO Independence, HPS	100	9,500	43	13.13	
	150	16,000	62	15.31	
HADCO Capitol Acorn, HPS	100	9,500	43	16.58	
	150	16,000	62	17.49	
	200	22,000	79	19.45	
	250	29,000	102	22.08	
HADCO Techtra, HPS	100	9,500	43	21.48	
	150	16,000	62	23.44	
	250	29,000	102	27.86	
HADCO Westbrooke, HPS	70	6,300	30	14.03	
	100	9,500	43	15.11	
	150	16,000	62	21.84	
	200	22,000	79	19.42	
	250	29,000	102	22.63	
Holophane Mongoose, HPS	150	16,000	62	15.55	(I)

(1) See Schedule 100 for applicable adjustments.

**SCHEDULE 15 (Continued)**

MONTHLY RATE (Continued)  
Rates for LED Area Lighting

Type of Light	Watts	Lumens	Monthly kWh	Monthly Rate Per Luminaire <sup>(1)</sup>	
Acorn LED	38	3,262	13	\$11.24	
	60	4,213	21	14.31	(I)
	70	4,332	24	14.15	(I)
	75	4,897	26	14.89	(I)
Acrylic LED	60	5,488	21	12.87	(I)
HADCO LED	70	5,120	24	17.80	(I)
Roadway LED	29	3,470	10	3.71	(I)
	37	2,530	13	4.70	
	45	5,020	15	4.51	
	50	3,162	17	5.13	
	52	3,757	18	5.61	(I)
	67	5,050	23	6.22	(I)
	88	10,230	30	6.76	
	106	7,444	36	8.00	
	134	14,200	46	12.00	
	156	16,300	53	13.31	
	160	18,700	55	12.85	
	176	18,300	60	15.01	
	201	21,400	69	15.53	
Westbrooke LED (Non-Flare)	36	3,369	12	15.55	
	53	5,079	18	17.52	
	69	6,661	24	17.47	
	85	8,153	29	18.67	
	136	12,687	46	22.22	
	206	18,159	70	24.70	
Westbrooke LED (Flare)	36	3,369	12	15.91	
	53	5,079	18	18.07	
	69	6,661	24	18.92	
	85	8,153	29	20.21	
	136	12,687	46	21.83	
	206	18,159	70	25.98	(I)

(1) See Schedule 100 for applicable adjustments.

**SCHEDULE 15 (Continued)**

MONTHLY RATE (Continued)  
Rates for LED Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Per Luminaire<sup>(1)</sup></u>	
CREE XSP LED	25	2,529	9	\$3.34	
	42	3,819	14	4.01	(I)
	48	4,373	16	4.64	
	56	5,863	19	5.42	
	91	8,747	31	6.80	(I)
Post-Top, American Revolution LED	45	3,395	15	8.17	
	72	4,409	25	8.82	(I)
Flood LED	85	10,530	29	9.23	
	128	16,932	44	11.55	
	184	23,797	63	14.63	
	371	48,020	127	26.64	(I)

Rates for Area Light Poles<sup>(2)</sup>

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>
Wood, Standard	35 or less	\$5.21
	40 to 55	\$6.21
Wood, Painted for Underground	35 or less	\$5.21 <sup>(3)</sup>
Wood, Curved Laminated	30 or less	\$6.56 <sup>(3)</sup>
Aluminum, Regular	16	\$6.44
	25	\$10.60
	30	\$11.39
	35	\$12.68
Aluminum, Fluted Ornamental	14	\$9.56
Aluminum, Fluted Ornamental	16	\$10.31
Aluminum, Double-Arm, Smooth Ornamental	18	\$14.02

(1) See Schedule 100 for applicable adjustments.

(2) No pole charge for luminaires placed on existing Company-owned distribution poles.

(3) No new service.

**SCHEDULE 26 (Continued)**

QUALIFIED LOAD REDUCTION (Continued)

If the Customer fails to deliver a minimum of 70% of the Committed Load Reduction on average during an event for which the Customer is enrolled during events in that month, the Customer is not eligible for the Energy Reduction Payment for that Event and the Reservation Payment for that month. If other Load Reduction Events are called in the same month, and the Customer complies, the corresponding Energy Reduction Payments are paid for each event that the Customer delivers a minimum of 70% of the Committed Load Reduction on average over each event for which the Customer is enrolled during events in that month.

**RESERVATION PAYMENTS**

The Reservation Payment is the Customer's Qualified Load Reduction (kW) multiplied by the sum of each applicable Reservation Price (\$/kW) based on the Options selected by the Customer adjusted for losses based on the Customer's delivery voltage. For each event window (time period for an event) per season, only one price is applicable. The Reservation Payment is made to the Customer no later than 60 days after the month in which they participated.

**ENERGY PAYMENTS**

The Energy Payment is the Mid-Columbia Electricity Index (Mid-C) as reported by the Powerdex, adjusted for losses based on the Customer's delivery voltage. The Firm Energy Reduction Amount can be up to 120% of the commitment.

The monthly energy prices (per MWh) for the months in which the events are called\* are:

Jan 2022	Feb 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Nov 2022	Dec 2022
\$87.20	\$70.30	\$38.60	\$90.00	\$122.80	\$97.00	\$59.00	\$72.80

(C)  
(I)

The Firm Energy Reduction Payment rates will be updated by December 1<sup>st</sup> for the next year beginning in January. Evaluation and settlement of the Firm Energy Reduction Payment will occur within 60 days of the Firm Load Reduction Event.

\* PGE will not call events on Saturdays, Sundays, or Holidays. Holidays are New Year's Day (January 1), President's Day (third Monday of February), 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 Saturday, Friday is designated a holiday. If a holiday falls on Sunday, the following Monday is designated a holiday.



**SCHEDULE 32  
SMALL NONRESIDENTIAL  
STANDARD SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Small Nonresidential Customers. A Small Nonresidential Customer is a Customer that has not exceeded 30 kW more than once within the preceding 13 months, or with seven months or less of service has not exceeded 30 kW.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

Basic Charge

Single Phase Service	\$20.00
Three Phase Service	\$29.00

Transmission and Related Services Charge

0.206 ¢ per kWh

Distribution Charge

First 5,000 kWh	4.264 ¢ per kWh
Over 5,000 kWh	1.519 ¢ per kWh

(I)  
(I)

Energy Charge Options

Standard Service	5.842 ¢ per kWh
or	
Time-of-Use (TOU) Portfolio (enrollment is necessary)	
On-Peak Period	10.378 ¢ per kWh
Mid-Peak Period	5.842 ¢ per kWh
Off-Peak Period	3.462 ¢ per kWh

\* See Schedule 100 for applicable adjustments.

**SCHEDULE 38  
LARGE NONRESIDENTIAL OPTIONAL TIME-OF-DAY  
STANDARD SERVICE  
(COST OF SERVICE)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

This optional schedule is applicable to Large Nonresidential Customers: 1) served at Secondary Demand Voltage whose Demand has not exceeded 200 kW more than six times in the preceding 13 months and has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW; or 2) who were receiving service on Schedule 38 as of December 31, 2015.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Basic Charge</u>	\$30.00		
<u>Transmission and Related Services Charge</u>	0.171	¢ per kWh	
<u>Distribution Charge</u>	7.073	¢ per kWh	(I)
<u>Energy Charge*</u>			
On-Peak Period	6.070	¢ per kWh	
Off-Peak Period	4.570	¢ per kWh	

\* See Schedule 100 for applicable adjustments.

\*\* On-peak Period is Monday-Friday, 7:00 a.m. to 8:00 p.m. off-peak Period is Monday-Friday, 8:00 p.m. to 7:00 a.m.; and all day Saturday and Sunday.

**MINIMUM CHARGE**

The Minimum Charge will be the Basic Charge. In Addition, the Company may require the Customer to execute a written agreement specifying a higher Minimum Charge if necessary, to justify the Company's investment in service facilities.

**REACTIVE DEMAND**

In addition to the Monthly Rate, the Customer will pay 50¢ for each kilovolt-ampere of Reactive Demand in excess of 40% of the maximum Demand. Such charge is separate from and in addition to the Minimum Charge specified.

**SCHEDULE 47  
SMALL NONRESIDENTIAL  
IRRIGATION AND DRAINAGE PUMPING  
STANDARD SERVICE  
(COST OF SERVICE)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Small Nonresidential Customers for irrigation and drainage pumping; may include other incidental service if an additional meter would otherwise be required. A Small Nonresidential Customer is a Customer that has not exceeded 30 kW more than once within the preceding 13 months, or with seven months or less of service has not exceeded 30 kW.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Basic Charge</u>			
Summer Months**	\$37.00		
Winter Months**	No Charge		
<u>Transmission and Related Services Charge</u>	0.213	¢ per kWh	
<u>Distribution Charge</u>			
First 50 kWh per kW of Demand***	11.131	¢ per kWh	(I)
Over 50 kWh per kW of Demand	9.131	¢ per kWh	(I)
<u>Energy Charge</u>	7.094	¢ per kWh	

\* See Schedule 100 for applicable adjustments.

\*\* Summer Months and Winter Months commence with meter readings as defined in Rule B.

\*\*\* For billing purposes, the Demand will not be less than 10 kW.

**MINIMUM CHARGE**

The Minimum Charge will be the Basic Charge. In addition, the Company may require the Customer to execute a written agreement specifying a higher Minimum Charge if necessary, to justify the Company's investment in service facilities.

**SCHEDULE 49  
LARGE NONRESIDENTIAL  
IRRIGATION AND DRAINAGE PUMPING  
STANDARD SERVICE  
(COST OF SERVICE)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Large Nonresidential Customers for irrigation and drainage pumping; may include other incidental service if an additional meter would otherwise be required. A Large Nonresidential Customer is defined as having a monthly Demand exceeding 30 kW at least twice within the preceding 13 months, or with seven months or less of service having exceeding 30 kW once.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

Basic Charge

Summer Months**	\$45.00
Winter Months**	No Charge

Transmission and Related Services Charge                      0.212              ¢ per kWh

Distribution Charge

First 50 kWh per kW of Demand***	8.131	¢ per kWh	(I)
Over 50 kWh per kW of Demand	6.131	¢ per kWh	(I)

Energy Charge    7.068              ¢ per kWh

\* See Schedule 100 for applicable adjustments.

\*\* Summer Months and Winter Months commence with meter readings as defined in Rule B.

\*\*\* For billing purposes, the Demand will not be less than 30 kW.

**MINIMUM CHARGE**

The Minimum Charge will be the Basic Charge. In addition, the Company may require the Customer to execute a written agreement specifying a higher Minimum Charge if necessary, to justify the Company's investment in service facilities.

**SCHEDULE 75  
PARTIAL REQUIREMENTS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Large Nonresidential Customers supplying all or some portion of their load by self-generation operating on a regular basis, where the self-generation has a total nameplate rating of 2 MW or greater. A Large Nonresidential Customer is a Customer that has exceeded 30 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 30 kW.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,340.00	\$1,890.00	\$3,970.00	
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.78	\$0.76	\$0.75	
<u>Distribution Charges</u> The sum of the following: per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27	
<u>Generation Contingency Reserves Charges</u>				
<u>Spinning Reserves</u> per kW of Reserved Capacity > 2,000 kW	\$0.234	\$0.234	\$0.234	
<u>Supplemental Reserves</u> per kW of Reserved Capacity > 2,000 kW	\$0.234	\$0.234	\$0.234	
<u>System Usage Charge</u> per kWh	0.134 ¢	0.131 ¢	0.129 ¢	<b>(I)</b>
<u>Energy Charge</u> per kWh	See Energy Charge Below			

\* See Schedule 100 for applicable adjustments.

**SCHEDULE 83  
LARGE NONRESIDENTIAL  
STANDARD SERVICE  
(31 – 200 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customers whose Demand has not exceeded 200 kW more than six times in the preceding 13 months and has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW. Service under this Schedule is available for Secondary Delivery Voltage only.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

Basic Charge

Single Phase Service	\$35.00
Three Phase Service	\$45.00

Transmission and Related Services Charge

per kW of monthly On-Peak Demand	\$0.78
----------------------------------	--------

Distribution Charges\*\*

The sum of the following:

per kW of Facility Capacity	
First 30 kW	\$3.50
Over 30 kW	\$3.40
per kW of monthly On-Peak Demand	\$2.61

Energy Charge (per kWh)

On-Peak Period***	6.335 ¢
Off-Peak Period***	4.835 ¢
See below for Daily Pricing Option description.	

System Usage Charge

per kWh	0.731 ¢
---------	---------

(I)

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the applicable SP.

\*\*\* Peak hours are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.

**SCHEDULE 85  
LARGE NONRESIDENTIAL  
STANDARD SERVICE  
(201 – 4,000 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Secondary Delivery Voltage Large Nonresidential Customer whose Demand has exceeded 200 kW more than six times in the preceding 13 months but has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW. To each Primary Delivery Voltage Large Nonresidential Customer whose Demand has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	<u>Delivery Voltage</u>	
	<u>Secondary</u>	<u>Primary</u>
<u>Basic Charge</u>	\$560.00	\$470.00
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.78	\$0.76
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity		
First 200 kW	\$3.17	\$3.10
Over 200 kW	\$1.97	\$1.90
per kW of monthly On-Peak Demand	\$2.61	\$2.53
<u>Energy Charge (per kWh)</u>		
On-Peak Period***	6.191 ¢	6.068 ¢
Off-Peak Period***	4.691 ¢	4.586 ¢
See below for Daily Pricing Option description.		
<u>System Usage Charge</u> per kWh	0.129 ¢	0.125 ¢

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the applicable SP.

\*\*\* Peak hours are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.

**SCHEDULE 89  
LARGE NONRESIDENTIAL  
STANDARD SERVICE  
(>4,000 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer whose Demand has exceeded 4,000 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 4,000 kW.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,340.00	\$1,890.00	\$3,970.00	
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.78	\$0.76	\$0.75	
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27	
<u>Energy Charge (per kWh)</u>				
On-Peak Period***	5.869 ¢	5.773 ¢	5.702 ¢	
Off-Peak Period***	4.369 ¢	4.273 ¢	4.202 ¢	
See below for Daily Pricing Option description.				
<u>System Usage Charge</u> per kWh	0.134 ¢	0.131 ¢	0.129 ¢	<b>(I)</b>

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the applicable SP.

\*\*\* Peak hours are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.



**SCHEDULE 90  
LARGE NONRESIDENTIAL  
STANDARD SERVICE  
(>4,000 kW and Aggregate to >100 MWa)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer who meet the following conditions: 1) Individual account demand has exceeded 4,000 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 4,000 kW; and 2) where combined usage of all accounts meeting condition 1 for the Large Nonresidential Customer aggregate to at least 100 MWa in a calendar year; and 3) the customer maintains a load factor of 80% or greater for each account.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Basic Charge</u>	\$6,100.00
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.76
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity	
First 4,000 kW	\$1.61
Over 4,000 kW	\$1.30
per kW of monthly on-peak Demand	\$2.53
<u>Energy Charge</u> (per kWh)	
On-Peak Period***	5.577¢
Off-Peak Period***	4.077¢
See below for Daily Pricing Option description.	
<u>System Usage Charge</u> per kWh	0.086¢ (I)

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the applicable SP.

\*\*\* Peak hours are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.

**SCHEDULE 91 (Continued)**

**MONTHLY RATE**

In addition to the service rates for Option A and B lights, all Customers will pay the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

<u>Transmission and Related Services Charge</u>	0.152 ¢ per kWh
<u>Distribution Charge</u>	6.431 ¢ per kWh
<u>Energy Charge</u>	
Cost of Service Option	4.898 ¢ per kWh

(I)

Daily Price Option – Available only to Customers with an average load of five MW or greater on Schedules 91 and 95 and those customers that met the five MW or greater threshold prior to converting to lights from Schedule 91 to Schedule 95. This selection of this option applies to all luminaires served under Schedules 91 and 95. This option gives eligible Customers an option between a daily Energy price and a Cost of Service option for the Energy charge. In addition to the daily Energy price, the Customer will pay a Basic Charge of \$75 per month to help offset the costs of billing this option. The daily Energy price for all kWh will be the Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Firm Index) plus 0.306¢ per kWh for wheeling, plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period.

Prices reported with no transaction volume or as “survey-based” will be considered reported. For the purposes of calculating the daily on- and off-peak usage, actual kWhs will be determined for each month, using Sunrise Sunset Tables with adjustments for typical photocell operation and 4,100 annual burning hours.

For Customers billed on the Daily price Option, an average of the daily rates will be used to bill installations and removals that occur during the month. Any additional analysis of billing options and price comparisons beyond the monthly bill will be billed at a rate of \$100 per manhour.

Losses will be included by multiplying the applicable daily Energy price by 1.0685.

The Daily Price Option is subject to Schedule 128, Short Term Transition Adjustment.

Enrollment for Service

To begin service under the Daily Price Option on January 1<sup>st</sup>, the Customer will notify the Company by 5:00 p.m. PPT on November 15<sup>th</sup> (or the following working day if the 15<sup>th</sup> falls on a weekend or holiday) of the year prior to the service year of its choice of this option. Customers selecting this option must commit to this option for an entire service year. The Customer will continue to be billed on this option until timely notice is received to return to the Cost of Service Option.

**SCHEDULE 92  
TRAFFIC SIGNALS  
(NO NEW SERVICE)  
STANDARD SERVICE  
(COST OF SERVICE)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To municipalities or agencies of federal or state governments where funds for payment of Electricity are provided through taxation or property assessment for traffic signals and warning facilities in systems containing at least 50 intersections on public streets and highways. This schedule is available only to those governmental agencies receiving service under Schedule 92 as of September 30, 2001.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Transmission and Related Services Charge</u>	0.159	¢ per kWh
<u>Distribution Charge</u>	2.957	¢ per kWh
<u>Energy Charge</u>	5.109	¢ per kWh

(I)

\* See Schedule 100 for applicable adjustments.

**ELECTION WINDOW**

Balance-of-Year Election Window

The Balance-of-Year Election Window begins at 8:00 a.m. on February 15<sup>th</sup> (or the following business day if the 15<sup>th</sup> falls on a weekend or holiday). The Window will remain open from 8:00 a.m. of the first day through 5:00 p.m. of the third business day of the Election Window.

Balance-of-Year Election Window, a Customer may notify the Company of its choice to move to Direct Access Service. For the February 15<sup>th</sup> election, the move is effective on the following April 1<sup>st</sup>. A Customer may not choose to move from an alternative option back to Cost of service during a Balance-of-Year Election Window.

### SCHEDULE 95 (Continued)

#### LUMINAIRE SERVICE OPTIONS (Continued)

#### Special Provisions for Schedule 91/95/491/495/591/595 Option B to Schedule 95/495/595 Option C Luminaire Conversion and Future Maintenance Election (Continued)

2. Upon such conversion, the Customer will assume and bear the cost of all on-going maintenance responsibilities for the luminaires and associated circuits in accordance with this schedule's provisions for Option C luminaires from the date each luminaire is converted to Option C. After the three or five year period, any remaining Option B luminaires will be converted to Option C. The Company may not provide new Option B lighting under Schedule 91/95 following the election to convert any Option B luminaires to Schedule 91 or Schedule 95 Option C luminaires.

#### STREETLIGHT POLES SERVICE OPTIONS

See Schedule 91 for Streetlight poles service options.

#### MONTHLY RATE

In addition to the service rates for Option A and Option B lights, all Customers will pay the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

<u>Transmission and Related Services Charge</u>	0.152 ¢ per kWh
<u>Distribution Charge</u>	6.431 ¢ per kWh
<u>Energy Charge</u>	
Cost of Service Option	4.898 ¢ per kWh

(I)

#### NON-COST OF SERVICE OPTION

Daily Price Option – Available only to Customers with an average load of five MW or greater on Schedules 91 and 95 and those customers that met the five MW or greater threshold prior to converting to lights from Schedule 91 to Schedule 95. This selection of this option applies to all luminaires served under Schedules 91 and 95. This option gives eligible Customers an option between a daily Energy price and a Cost of Service option for the Energy charge. In addition to the daily Energy price, the Customer will pay a Basic Charge of \$75 per month to help offset the costs of billing this option. The daily Energy price for all kWh will be the Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Firm Index) plus 0.306¢ per kWh for wheeling, plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period.

Prices reported with no transaction volume or as “survey-based” will be considered reported. For the purposes of calculating the daily on- and off-peak usage, actual kWhs will be determined for each month, using Sunrise Sunset Tables with adjustments for typical photocell operation and 4,100 annual burning hours.

**SCHEDULE 125  
ANNUAL POWER COST UPDATE**

**PURPOSE**

The purpose of this adjustment schedule is to define procedures for annual rate revisions due to changes in the Company's projected Net Variable Power Costs (the Annual Power Cost Update). This schedule is an "automatic adjustment clause" as defined in ORS 757.210(1), and is subject to review by the Commission at least once every two years.

**APPLICABLE**

To all Cost-of-Service bills for Electricity Service served under the following rate schedules 7, 15, 32, 38, 47, 49, 75, 83, 85, 89, 90, 91, 92, and 95. Customers served under the daily price option contained in schedules 32, 38, 75, 81, 83, 85, 89, 90, 91, and 95 are exempt from Schedule 125.

**NET VARIABLE POWER COSTS**

Net Variable Power Costs (NVPC) are the power costs for energy generated and purchased. NVPC are the net cost of fuel and emission control chemicals, fuel and emission control chemical transportation, power contracts, transmission/wheeling, wholesale sales, hedges, options and other financial instruments incurred to serve retail load.

**RATES**

This adjustment rate is subject to increases or decreases, which may be made without prior hearing, to reflect increases or decreases, or both, in NVPC.

**ANNUAL UPDATES**

The following updates will be made in each of the Annual Power Cost Update filings:

- Forced Outage Rates based on a four-year rolling average.
- Projected planned plant outages.
- Wind energy forecast based on a five-year rolling average.
- Costs associated with wind integration. The battery portion of wind and solar projects that have a battery storage component may be included if the battery is charged solely by wind and solar generation.
- Dispatch of energy storage systems.
- Forward market prices for both gas and electricity.
- Projected loads.
- Contracts for the purchase or sale of power and fuel.
- Emission control chemical costs.
- Thermal plant variable operation and maintenance, including the cost of transmission losses, for dispatch purposes.
- Changes in hedges, options, and other financial instruments used to serve retail load.
- Transportation contracts and other fixed transportation costs.
- Reciprocating engine lubrication oil costs.
- Projections of State and Federal Production Tax Credits.
- No other changes or updates will be made in the annual filings under this schedule.

(N)  
|  
(N)

**SCHEDULE 125 (Continued)**

**CHANGES IN NET VARIABLE POWER COSTS**

Changes in NVPC for purposes of rate determination under this schedule are the projected NVPC as determined in the Annual Power Cost Update less the NVPC revenues that would occur at the NVPC prices determined in the Company's most recent general rate case, adjusted for a revenue sensitive cost factor of 1.0320.

**FILING AND EFFECTIVE DATE**

On or before April 1<sup>st</sup> of each calendar year, the Company will file estimates of the adjustments to its NVPC to be effective on January 1<sup>st</sup> of the following calendar year.

On or before October 1<sup>st</sup> of each calendar year, the Company will file updated estimates with final planned maintenance outages, final load forecast, updated projections of gas and electric prices, power, and fuel contracts.

On or before November 6<sup>th</sup> of each calendar year, the Company will file estimates with the final planned maintenance outages from the October 1<sup>st</sup> filing, load forecasts from the October 1<sup>st</sup> filings, load reductions from the October update resulting from additional participation in the Company's Long-Term Cost of Service Opt-out that occurs in September, updated projections of gas and electric prices, power, and fuel contracts.

On November 15<sup>th</sup>, the Company will file the final estimate of NVPC and will calculate and file the final change in NVPC to be effective on the next January 1<sup>st</sup> with: 1) projected market electric and fuel prices based on the average of the Company's internally generated projections made during the period November 1<sup>st</sup> through November 7<sup>th</sup>, 2) new market power and fuel contracts entered into since the previous updates, 3) the final planned maintenance outages and load forecast from the October 1<sup>st</sup> filing, 4) final update to Qualifying Facilities online dates, and 5) final price for the energy generation at the Priest Rapids and Wanapum hydro facilities, as provided in the power contract between PGE and Grant County.

(D)  
(N)  
|  
(N)

(C)  
|  
(C)

**RATE ADJUSTMENT**

The rate adjustment will be based on the Adjusted NVPC less the NVPC revenues that would occur at the NVPC prices determined in the Company's most recent general rate case applied to forecast loads used to determine changes in Net Variable Power Costs. NVPC prices are defined as the price component that recovers the level of NVPC from the Company's most recent general rate case contained in each Schedule's Cost of Service energy prices.

**SCHEDULE 125 (Concluded)**

**ADJUSTMENT RATES**

Schedule		¢ per kWh	(I)
7		0.987	
15		0.751	
32		0.896	
38		0.828	
47		1.088	
49		1.084	
75			
	Secondary	0.803 <sup>(1)</sup>	
	Primary	0.790 <sup>(1)</sup>	
	Subtransmission	0.804 <sup>(1)</sup>	
83		0.891	
85			
	Secondary	0.867	
	Primary	0.846	
89			
	Secondary	0.803	
	Primary	0.790	
	Subtransmission	0.804	
90		0.757	
91		0.751	
92		0.783	
95		0.751	(I)

(1) Applicable only to the Baseline and Scheduled Maintenance Energy.

**SPECIAL CONDITIONS**

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 485  
LARGE NONRESIDENTIAL  
COST OF SERVICE OPT-OUT  
(201 - 4,000 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer whose Demand has exceeded 200 kW more than six times in the preceding 13 months but has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW and who has previously enrolled in a long-term opt-out window. To obtain service under this schedule, Customers must initially enroll a minimum of 1 MWA determined by a demonstrated usage pattern such that projected usage for a full 12 months is at least 8,760,000 kWh (1 MWA) from one or more Service Points (SPs). Each SP must have a Facility Capacity of at least 250 kW. Customers with existing enrolled SPs meeting the 1 MWA criteria above may, in a subsequent enrollment window enroll additional SPs so long as the 250 kW Facility Capacity requirement is met. Service under this schedule is limited to the first 300 MWA that applies to Schedules 485, 489, 490, 491, 492, and 495. Beginning with the September 2004 Enrollment Period\*\*\* C, Customers have a minimum five-year option and a fixed three-year option.

**MONTHLY RATE**

The Monthly Rate will be the sum of the following charges at the applicable Delivery Voltage per SP\*:

	<u>Delivery Voltage</u>		
	<u>Secondary</u>	<u>Primary</u>	
<u>Basic Charge</u>	\$560.00	\$470.00	
<u>Distribution Charges**</u>			
The sum of the following:			
per kW of Facility Capacity			
First 200 kW	\$3.17	\$3.10	
Over 200 kW	\$1.97	\$1.90	
per kW of monthly On-Peak Demand	\$2.61	\$2.53	
<u>System Usage Charge</u>			
per kWh	0.004 ¢	0.003 ¢	<b>(I)</b>

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.

\*\*\* A list of Enrollment Periods can be found in Schedule 129.



**SCHEDULE 489  
LARGE NONRESIDENTIAL  
COST-OF-SERVICE OPT-OUT  
(>4,000 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer whose Demand has exceeded 4,000 kW more than once within the preceding 13 months and who has previously enrolled in a long-term opt-out window. To obtain service under this schedule, Customers must initially enroll a minimum of 1 MWA determined by a demonstrated usage pattern such that projected usage for a full 12 months is at least 8,760,000 kWh (1 MWA) from one or more Service Points (SPs). Each SP must have a Facility Capacity of at least 250 kW. Customers with existing enrolled SPs meeting the 1 MWA criteria above may, in a subsequent enrollment window enroll additional SPs so long as the 250 kW Facility Capacity requirement is met. Service under this schedule is limited to the first 300 MWA that applies to Schedules 485, 489, 490, 491, 492, and 495. Beginning with the September 2004 Enrollment Period\*\*\* C, Customers have a minimum five-year option and a fixed three-year option.

**MONTHLY RATE**

The Monthly Rate will be the sum of the following charges at the applicable Delivery Voltage per SP\*:

	<u>Delivery Voltage</u>		
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>
<u>Basic Charge</u>	\$3,340.00	\$1,890.00	\$3,970.00
<u>Distribution Charges**</u>			
The sum of the following:			
per kW of Facility Capacity			
First 4,000 kW	\$1.53	\$1.49	\$1.49
Over 4,000 kW	\$1.22	\$1.18	\$1.18
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27
<u>System Usage Charge</u>			
per kWh	0.020 ¢	0.017 ¢	0.017 ¢ (I)

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.

\*\*\* A list of Enrollment Periods can be found in Schedule 129.

**SCHEDULE 490  
LARGE NONRESIDENTIAL  
COST-OF-SERVICE OPT-OUT  
(>4,000 kW and Aggregate to >100 MWa)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer who meet the following conditions: 1) Individual account demand has exceeded 4,000 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 4,000 kW; and 2) where combined usage of all accounts meeting condition 1 for the Large Nonresidential Customer aggregate to at least 100MWa in a calendar year; and 3) the customer maintains a load factor of 80% or greater for each account; and 4) who has previously enrolled in a long-term opt-out window. To obtain service under this schedule, Customers must initially enroll a minimum of 1 MWa determined by a demonstrated usage pattern such that projected usage for a full 12 months is at least 8,760,000 kWh (1 MWa) from one or more Service Points (SPs). Each SP must have a Facility Capacity of at least 250 kW.

Customers with existing enrolled SPs meeting the 1 MWa criteria above may, in a subsequent enrollment window\*\*\* enroll additional SPs so long as the 250 kW Facility Capacity requirement is met. Service under this schedule is limited to the first 300 MWa that applies to this and Schedules 485, 489, 490, 491, 492, and 495. Customers have a minimum five-year option and a fixed three-year option.

**MONTHLY RATE**

The Monthly Rate will be the sum of the following charges per SP\*:

<u>Basic Charge</u>	\$6,100.00	
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 4,000 kW	\$1.61	
Over 4,000 kW	\$1.30	
per kW of monthly On-Peak Demand	\$2.53	
<u>System Usage Charge</u>		
per kWh	(0.035) ¢	(I)

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.

\*\*\* A list of Enrollment Periods can be found in Schedule 129.

**SCHEDULE 491 (Continued)**

STREETLIGHT POLES SERVICE OPTIONS (Continued)

Option B – Pole maintenance (Continued)

Emergency Pole Replacement and Repair

The Company will repair or replace damaged streetlight poles that have been damaged due to the acts of vandalism, damage claim incidences and storm related events that cause a pole to become structurally unsound at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is subject to the Company's operating schedules and requirements.

Special Provisions for Option B - Poles

1. If damage occurs to any streetlighting pole more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will be responsible to pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.
2. Non-Standard or Custom poles are provided at the Company's discretion to allow greater flexibility in the choice of equipment. The Company will not maintain an inventory of this equipment and thus delays in maintenance may occur. The Company will order and replace the equipment subject to availability since non-standard and custom equipment is subject to obsolescence. The Customer will pay for any additional cost to the Company for ordering non-standard equipment.

**MONTHLY RATE**

The service rates for Option A and B lights include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

Distribution Charge

6.311 ¢ per kWh

(I)

**MARKET BASED PRICING OPTION**

Energy Supply

The Customer may elect to purchase Energy from an Electricity Service Supplier (ESS) (Direct Access Service) or from the Company. Such election will be for all of the Customer's Service Points (SPs) under this schedule.

**SCHEDULE 492  
TRAFFIC SIGNALS  
COST OF SERVICE OPT-OUT**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To municipalities or agencies of federal or state governments served on Schedule 92, who purchase Electricity from an Electricity Service Supplier (ESS) for traffic signals and warning facilities in systems containing at least 500 intersections on public streets and highways, where funds for payment of Electricity are provided through taxation or property assessment. This schedule is available only to those governmental agencies receiving service under Schedule 92 as of September 30, 2001. Service under this schedule is limited to the first 300 MWh that applies to Schedules 485, 489, 490, 491, 492, and 495

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The charge per Service Point (SP)\* is:

Distribution Charge	2.831 ¢ per kWh	(I)
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\* See Schedule 100 for applicable adjustments.

**MARKET BASED PRICING OPTION**

Energy Supply

The Customer may elect to purchase Energy from an Electricity Service Supplier (ESS) (Direct Access Service) or from the Company. Such election will be for all of the Customer's SPs under this schedule.

Direct Access Service

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, Transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS.

**SCHEDULE 495 (Continued)**

**STREETLIGHT POLES SERVICE OPTIONS**

Option A and Option B – Poles

See Schedule 91/491/591 for Streetlight poles service options.

**MONTHLY RATE**

The service rates for Option A and Option B lights include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

Distribution Charge 6.311 ¢ per kWh

(I)

**MARKET BASED PRICING OPTION**

Energy Supply

The Customer may elect to purchase Energy from an Electricity Service Supplier (ESS) (Direct Access Service) or from the Company. Such election will be for all of the Customer's Service Points (SPs) under this schedule.

Direct Access Service

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, Transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS.

Company Supplied Energy

Upon not less than five business days notice, the Customer may choose the Company Supplied Energy Charge option. The election of this option will be effective on the next regularly scheduled meter reading date, but with not less than a five business day notice to the Company prior to the scheduled meter read date.

The Company Supplied Energy Option is the Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Index) plus 2 mills per kWh plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period. Prices reported with no transaction volume or as "survey-based" will be considered reported.

**SCHEDULE 515  
OUTDOOR AREA LIGHTING  
DIRECT ACCESS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Nonresidential Customers purchasing Direct Access Service for outdoor area lighting.

**CHARACTER OF SERVICE**

Lighting services, which consist of the provision of Company-owned luminaires mounted on Company-owned poles, in accordance with Company specifications as to equipment, installation, maintenance and operation.

The Company will replace lamps on a scheduled basis. Subject to the Company's operating schedules and requirements, the Company will replace individual burned-out lamps as soon as reasonably possible after the Customer or Electricity Service Supplier (ESS) notifies the Company of the burn-out.

**MONTHLY RATE**

Rates for Area Lighting

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate<sup>(1)</sup> Per Luminaire</u>
Cobrahead Mercury Vapor	175	7,000	66	\$8.92 <sup>(2)</sup>
	400	21,000	147	14.57 <sup>(2)</sup>
	1,000	55,000	374	29.12 <sup>(2)</sup>
HPS	70	6,300	30	6.68 <sup>(2)</sup>
	100	9,500	43	7.50
	150	16,000	62	8.81
	200	22,000	79	10.27
	250	29,000	102	11.60
	310	37,000	124	13.35 <sup>(2)</sup>
	400	50,000	163	15.52
Flood , HPS	100	9,500	43	7.38 <sup>(2)</sup>
	200	22,000	79	10.48 <sup>(2)</sup>
	250	29,000	102	11.89
	400	50,000	163	15.74
Shoebox, HPS (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	7.99
	100	9,500	43	8.50
	150	16,500	62	10.02

(I) \_\_\_\_\_ (I)

(1) See Schedule 100 for applicable adjustments.

(2) No new service.

**SCHEDULE 515 (Continued)**

MONTHLY RATE (Continued)  
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate<sup>(1)</sup> Per Luminaire</u>		
Special Acorn Type, HPS	100	9,500	43	\$ 10.75	(I)	
HADCO Victorian, HPS	150	16,500	62	11.95		
	200	22,000	79	13.70		
	250	29,000	102	15.15		
Early American Post-Top, HPS, Black	100	9,500	43	7.87		
Special Types						
Cobrahead, Metal Halide	150	10,000	60	9.10		
Cobrahead, Metal Halide	175	12,000	71	9.87		
Flood, Metal Halide	350	30,000	139	14.24		
Flood, Metal Halide	400	40,000	156	15.50		
Flood, HPS	750	105,000	285	26.65		
HADCO Independence, HPS	100	9,500	43	10.90		
	150	16,000	62	12.10		
HADCO Capitol Acorn, HPS	100	9,500	43	14.35		
	150	16,000	62	14.28		
	200	22,000	79	15.37		
	250	29,000	102	16.81		
HADCO Techtra, HPS	100	9,500	43	19.25		
	150	16,000	62	20.23		
	250	29,000	102	22.59		
HADCO Westbrooke, HPS	70	6,300	30	12.48		
	100	9,500	43	12.88		
	150	16,000	62	18.63		
	200	22,000	79	15.34		
	250	29,000	102	17.36		
Holophane Mongoose, HPS	150	16,000	62	12.34	(I)	

(1) See Schedule 100 for applicable adjustments.

**SCHEDULE 515 (Continued)**

MONTHLY RATE (Continued)  
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate<sup>(1)</sup> Per Luminaire</u>	
Acorn LED	38	3,262	13	\$10.57	
	60	4,213	21	13.23	(I)
	70	4,332	24	12.90	
	75	4,897	26	13.54	(I)
Acrylic LED	60	5,488	21	11.79	(I)
	HADCO LED	70	5,120	24	16.55
Roadway LED	29	3,470	10	3.19	
	37	2,530	13	4.03	
	45	5,020	15	3.74	(I)
	50	3,162	17	4.25	
	52	3,757	18	4.68	(I)
	67	5,050	23	5.03	
	88	10,230	30	5.21	
	106	7,444	36	6.14	
	134	14,200	46	9.62	
	156	16,300	53	10.57	
	160	18,700	55	10.01	
	176	18,300	60	11.91	
	201	21,400	69	11.96	(I)
Westbrooke LED (Non-Flare)	36	3,369	12	14.93	(I)
	53	5,079	18	16.59	(I)
	69	6,661	24	16.22	
	85	8,153	29	17.17	(I)
	136	12,687	46	19.84	(I)
	206	18,159	70	21.08	(I)
Westbrooke LED (Flare)	36	3,369	12	15.29	(I)
	53	5,079	18	17.14	(I)
	69	6,661	24	17.67	
	85	8,153	29	18.71	(I)
	136	12,687	46	19.45	(I)
	206	18,159	70	22.36	(I)

(1) See Schedule 100 for applicable adjustments.



**SCHEDULE 515 (Continued)**

MONTHLY RATE (Continued)  
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate<sup>(1)</sup> Per Luminaire</u>	
CREE XSP LED	25	2,529	9	\$2.88	(I)
	42	3,819	14	3.28	
	48	4,373	16	3.81	(I)
	56	5,863	19	4.44	(I)
	91	8,747	31	5.20	(I)
Post-Top, American Revolution LED	45	3,395	15	7.40	(I)
	72	4,409	25	7.53	(I)
Flood LED	85	10,530	29	7.73	
	128	16,932	44	9.28	(I)
	184	23,797	63	11.38	(I)
	371	48,020	127	20.07	(I)

Rates for Area Light Poles<sup>(2)</sup>

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>
Wood, Standard	35 or less	\$ 5.21
	40 to 55	6.21
Wood, Painted Underground	35 or less	5.21 <sup>(3)</sup>
Wood, Curved laminated	30 or less	6.56 <sup>(3)</sup>
Aluminum, Regular	16	6.44
	25	10.60
	30	11.39
	35	12.68
Aluminum, Fluted Ornamental	14	9.56
Aluminum, Fluted Ornamental	16	10.31
Aluminum, Double-Arm, Smooth Ornamental	18	14.02

(1) See Schedule 100 for applicable adjustments.

(2) No pole charge for luminaires placed on existing Company-owned distribution poles.

(3) No new service.

**SCHEDULE 532  
SMALL NONRESIDENTIAL  
DIRECT ACCESS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Small Nonresidential Customers who have chosen to receive Electricity from an Electricity Service Supplier (ESS).

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

Basic Charge

Single Phase	\$20.00
Three Phase	\$29.00

Distribution Charge

First 5,000 kWh	4.119 ¢ per kWh	(I)
Over 5,000 kWh	1.374 ¢ per kWh	(I)

\* See Schedule 100 for applicable adjustments.

**ESS CHARGES**

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS. If the Customer chooses to receive an ESS Consolidated Bill, the Company's charges for Direct Access Service are not required to be separately stated on an ESS Consolidated Bill.

**ADJUSTMENTS**

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

**SCHEDULE 538  
LARGE NONRESIDENTIAL OPTIONAL TIME-OF-DAY  
DIRECT ACCESS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

This optional schedule is applicable to Large Nonresidential Customers who have chosen to receive service from an Electricity Service Supplier (ESS), and: 1) served at Secondary Demand Voltage whose Demand has not exceeded 200 kW more than six times in the preceding 13 months and has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW; or 2) who were receiving service on Schedule 38 as of December 31, 2015.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Basic Charge</u>	\$30.00		
<u>Distribution Charge</u>	6.940	¢ per kWh	(I)

\* See Schedule 100 for applicable adjustments.

**MINIMUM CHARGE**

The Minimum Charge will be the Basic Charge. In Addition, the Company may require the Customer to execute a written agreement specifying a higher Minimum Charge if necessary, to justify the Company's investment in service facilities.

**REACTIVE DEMAND**

In addition to the Monthly Rate, the Customer will pay 50¢ for each kilovolt-ampere of Reactive Demand in excess of 40% of the maximum Demand. Such charge is separate from and in addition to the Minimum Charge specified.

**ADJUSTMENTS**

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

**SCHEDULE 549  
IRRIGATION AND DRAINAGE PUMPING  
LARGE NONRESIDENTIAL  
DIRECT ACCESS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Large Nonresidential Customers who have chosen to receive Electricity from an Electricity Service Supplier (ESS) for irrigation and drainage pumping; may include other incidental service if an additional meter would otherwise be required.

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Basic Charge</u>		
Summer Months**	\$45.00	
Winter Months**	No Charge	
<u>Distribution Charge</u>		
First 50 kWh per kW of Demand	7.954 ¢ per kWh	(I)
Over 50 kWh per kW of Demand	5.954 ¢ per kWh	(I)

\* See Schedule 100 for applicable adjustments.

\*\* Summer Months and Winter Months commence with meter readings as defined in Rule B.

**ESS CHARGES**

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS. If the Customer chooses to receive an ESS Consolidated Bill, the Company's charges for Direct Access Service are not required to be separately stated on an ESS Consolidated Bill.

**SCHEDULE 575  
PARTIAL REQUIREMENTS SERVICE  
DIRECT ACCESS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Large Nonresidential Customers who receive Electricity Service from an Electricity Service Supplier (ESS) and who supply all or some portion of their load by self generation operating on a regular basis, where the self-generation has a total nameplate rating of 2 MW or greater. A Large Nonresidential Customer is a Customer that has exceeded 30 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 30 kW.

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	<u>Delivery Voltage</u>		
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>
<u>Basic Charge</u>			
Three Phase Service	\$3,340.00	\$1,890.00	\$3,970.00
<u>Distribution Charge</u>			
The sum of the following:			
per kW of Facility Capacity			
First 4,000 kW	\$1.53	\$1.49	\$1.49
Over 4,000 kW	\$1.22	\$1.18	\$1.18
per kW of monthly On-Peak Demand**	\$2.61	\$2.53	\$1.27
<u>Generation Contingency Reserves Charges***</u>			
<u>Spinning Reserves</u>			
per kW of Reserved Capacity > 1,000 kW	\$0.234	\$0.234	\$0.234
<u>Supplemental Reserves</u>			
per kW of Reserved Capacity > 1,000 kW	\$0.234	\$0.234	\$0.234
<u>System Usage Charge</u>			
per kWh	0.134 ¢	0.131 ¢	0.129 ¢

\* See Schedule 100 for applicable adjustments.

\*\* Peak hours are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.

\*\*\* Not applicable when ESS is providing Energy Regulation and Imbalance services as described in Schedule 600.

**SCHEDULE 583  
LARGE NONRESIDENTIAL  
DIRECT ACCESS SERVICE  
(31 – 200 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customers whose Demand has not exceeded 200 kW more than six times in the preceding 13 months and has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW and who has chosen to receive Electricity from an Electricity Service Supplier (ESS).

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

Basic Charge

Single Phase Service	\$35.00
Three Phase Service	\$45.00

Distribution Charges\*\*

The sum of the following:

per kW of Facility Capacity	
First 30 kW	\$3.50
Over 30 kW	\$3.40
per kW of monthly On-Peak Demand	\$2.61

System Usage Charge

per kWh	0.586 ¢
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(I)

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.

**SCHEDULE 585  
LARGE NONRESIDENTIAL  
DIRECT ACCESS SERVICE  
(201 – 4,000 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customers whose Demand has exceeded 200 kW more than six times in the preceding 13 months and has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW and who has chosen to receive Electricity from an Electricity Service Supplier (ESS).

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	<u>Delivery Voltage</u>	
	<u>Secondary</u>	<u>Primary</u>
<u>Basic Charge</u>	\$560.00	\$470.00
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 200 kW	\$3.17	\$3.10
Over 200 kW	\$1.97	\$1.90
per kW of monthly On-Peak Demand	\$2.61	\$2.53
<u>System Usage Charge</u>		
per kWh	0.004 ¢	0.003 ¢

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.

**SCHEDULE 589  
LARGE NONRESIDENTIAL  
DIRECT ACCESS SERVICE  
(>4,000 kW)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer whose Demand has exceeded 4,000 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 4,000 kW, and who has chosen to receive Electricity from an ESS.

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,340.00	\$1,890.00	\$3,970.00	
<u>Distribution Charges**</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly on-peak Demand	\$2.61	\$2.53	\$1.27	
<u>System Usage Charge</u>				
per kWh	0.020 ¢	0.017 ¢	0.017 ¢	<b>(I)</b>

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.



**SCHEDULE 590  
LARGE NONRESIDENTIAL  
DIRECT ACCESS SERVICE  
(>4,000 kW and Aggregate to >100 MWa)**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To each Large Nonresidential Customer who meet the following conditions: 1) Individual account demand has exceeded 4,000 kW at least twice within the preceding 13 months, or with seven months or less of service has had a Demand exceeding 4,000 kW; and 2) where combined usage of all accounts meeting condition 1 for the Large Nonresidential Customer aggregate to at least 100 MWa in a calendar year; and 3) the customer maintains a load factor of 80% or greater for each account; and 4) who has chosen to receive Electricity from an ESS.

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\*:

<u>Basic Charge</u>	\$6,100.00	
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 4,000 kW	\$1.61	
Over 4,000 kW	\$1.30	
per kW of monthly on-peak Demand	\$2.53	
<u>System Usage Charge</u>		
per kWh	(0.035) ¢	(I)

\* See Schedule 100 for applicable adjustments.

\*\* The Company may require a Customer with dedicated substation capacity and/or redundant distribution facilities to execute a written agreement specifying a higher minimum monthly Facility Capacity and monthly Demand for the SP.

**SCHEDULE 591 (Continued)**

STREETLIGHT POLES SERVICE OPTIONS (Continued)

Option B – Pole maintenance (Continued)

Emergency Pole Replacement and Repair

The Company will repair or replace damaged streetlight poles that have been damaged due to the acts of vandalism, damage claim incidences and storm related events that cause a pole to become structurally unsound at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is subject to the Company's operating schedules and requirements.

Special Provisions for Option B - Poles

1. If damage occurs to any streetlighting pole more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will be responsible to pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.
2. Non-Standard or Custom poles are provided at the Company's discretion to allow greater flexibility in the choice of equipment. The Company will not maintain an inventory of this equipment and thus delays in maintenance may occur. The Company will order and replace the equipment subject to availability since non-standard and custom equipment is subject to obsolescence. The Customer will pay for any additional cost to the Company for ordering non-standard equipment.

**MONTHLY RATE**

The service rates for Option A and B lights include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

<u>Distribution Charge</u>	6.311 ¢ per kWh	(I)
<u>Energy Charge</u>	Provided by Electricity Service Supplier	

**NOVEMBER ELECTION WINDOW**

The November Election Window begins at 2:00 p.m. on November 15<sup>th</sup> (or the following business day if the 15<sup>th</sup> falls on a weekend or holiday). The November Election Window will remain open until 5:00 p.m. at the close of the fifth consecutive business day.

During a November Election Window, a Customer may notify the Company of its choice to change to any service options for an effective date of January 1<sup>st</sup>. Customers may notify the Company of a choice to change service options using the Company's website, [PortlandGeneral.com/business](http://PortlandGeneral.com/business)

**SCHEDULE 592  
TRAFFIC SIGNALS  
DIRECT ACCESS SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To municipalities or agencies of federal or state governments served on Schedule 92, who purchase Electricity from an Electricity Service Supplier (ESS) for traffic signals and warning facilities in systems containing at least 50 intersections on public streets and highways, where funds for payment of Electricity are provided through taxation or property assessment. This schedule is available only to those governmental agencies receiving service under Schedule 92 as of September 30, 2001.

**CHARACTER OF SERVICE**

Sixty-hertz alternating current of such phase and voltage as the Company may have available.

**MONTHLY RATE**

The charge per Service Point (SP)\* is:

Distribution Charge

2.831 ¢ per kWh

(I)

\* See Schedule 100 for applicable adjustments.

**ESS CHARGES**

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS. If the Customer chooses to receive an ESS Consolidated Bill, the Company's charges for Direct Access Service are not required to be separately stated on an ESS Consolidated Bill.

**ADJUSTMENTS**

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

**SCHEDULE 595 (Continued)**

**STREETLIGHT POLES SERVICE OPTIONS**

Option A and Option B – Poles

See Schedule 91/591 for Streetlight poles service options.

**MONTHLY RATE**

The service rates for Option A and Option B lights include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

<u>Distribution Charge</u>	6.311 ¢ per kWh	<b>(I)</b>
<u>Energy Charge</u>	Provided by Electricity Service Supplier	

**REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES**

Labor Rates	Straight Time	Overtime <sup>(1)</sup>
	\$124.00 per hour	\$155.00 per hour

(1) Per Article 20.2 of the Collective Bargaining Agreement Union No. 125 Contract, overtime is paid at the Overtime Rate for a minimum of one hour.

**RATES FOR STANDARD LIGHTING**

**Light-Emitting Diode (LED) Only – Option A and Option B Service Rates**

LED lighting is new to the Company and pricing is changing rapidly. The Company may adjust rates under this schedule based on actual frequency of maintenance occurrences and changes in material prices.

<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>
Roadway LED	29	3,470	10	\$2.84	\$1.00
	37	2,530	13	3.67	1.20
	45	5,020	15	3.37	1.32
	50	3,162	17	3.90	1.45
	52	3,757	18	4.31	1.52
	67	5,050	23	4.79	1.83
	88	10,230	30	4.97	2.27
	106	7,444	36	5.90	2.66
	134	14,200	46	10.06	3.31
	156	16,300	53	11.01	3.77
	160	18,700	55	10.45	3.88
	176	18,300	60	12.34	4.23
	201	21,400	69	12.40	4.78

**SCHEDULE 689 (Continued)**

APPLICABLE (Continued)

Load served under Schedule 689 will not be counted under the Long Term Direct Access cap that applies to Schedules 485, 489, 490, 491, 492 and 495. The expected load of the Customer, defined as the “Contracted Load” in the opt out agreement between the Customer and the Company, will be the amount of load that is initially counted toward the New Load Direct Access cap for the first 60 months, unless a Customer is earlier de-enrolled under the terms of this Schedule 689 or the terms of the opt-out agreement.

The Contracted Load for each Customer will be counted toward the cap limit for up to the first 60 months of service. Following 60 months of service on Schedule 689, the Customer’s actual load factor (LF) will be applied to the contracted demand (MW) to calculate a Customer’s MWa to be captured and counted toward the New Large Load Program cap thereafter, and the total amount of load under the cap will be adjusted at such time of inquiry, in accordance with actual loads.

**MONTHLY RATE**

The Monthly Rate will be the sum of the following charges at the applicable Delivery Voltage per Service Point (SP)\*:

	Delivery Voltage			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,340.00	\$1,890.00	\$3,970.00	
<u>Distribution Charges**</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27	
<u>System Usage Charge</u>				
per kWh	0.020 ¢	0.017 ¢	0.017 ¢	(I)
<u>Administrative Fee</u>	\$0.00	\$0.00	\$0.00	

\* See Schedule 100 for applicable adjustments.

\*\* The Customer’s load, as reflected in the opt-out agreement executed between the Customer and PGE, may be higher than that reflected in a minimum load agreement for purposes of calculating the minimum monthly Facility Capacity and monthly Demand for the SP, for any Customer with dedicated substation capacity and/or redundant distribution facilities.