



**Portland General Electric Company**  
121 SW Salmon Street • Portland, Oregon 97204  
PortlandGeneral.com

December 18, 2018

Public Utility Commission of Oregon  
Attn: Filing Center  
201 High Street, SE, Suite 100  
P.O. Box 1088  
Salem, OR 97308-1088

**RE: Advice No. 18-26, UE 335 General Rate Case Compliance Filing**

Portland General Electric Company (PGE) submits this filing pursuant to Oregon Revised Statutes (ORS) 757.205 and 757.210 and Oregon Administrative Rules (OARs) 860-022-0025 and 860-022-0030 for filing proposed tariff sheets associated with Tariff P.U.C. No. 18, with an effective date of **January 1, 2019**:

Fifth Revision of Sheet No. 6-2  
Third Revision of Sheet No. 6-3  
Third Revision of Sheet No. 6-4  
Third Revision of Sheet No. 6-5  
Third Revision of Sheet No. 6-6  
Third Revision of Sheet No. 6-7  
Third Revision of Sheet No. 6-8  
Thirteenth Revision of Sheet No. 7-1  
Tenth Revision of Sheet No. 15-1  
Eleventh Revision of Sheet No. 15-2  
Twelfth Revision of Sheet No. 15-3  
Thirteenth Revision of Sheet No. 15-4  
Eighth Revision of Sheet No. 15-5  
Sixth Revision of Sheet No. 15-6  
Twelfth Revision of Sheet No. 32-1  
Twelfth Revision of Sheet No. 38-1  
Twelfth Revision of Sheet No. 47-1  
Thirteenth Revision of Sheet No. 49-1  
Fifteenth Revision of Sheet No. 75-1  
Eighth Revision of Sheet No. 75-5  
Twelfth Revision of Sheet No. 76R-1  
Eighth Revision of Sheet No. 76R-3  
Eighth Revision of Sheet No. 76R-4  
Eighth Revision of Sheet No. 76R-5  
Fourteenth Revision of Sheet No. 83-1

Twelfth Revision of Sheet No. 83-2  
Eleventh Revision of Sheet No. 85-1  
Eighth Revision of Sheet No. 85-2  
Fifteenth Revision of Sheet No. 89-1  
Twelfth Revision of Sheet No. 89-2  
Seventh Revision of Sheet No. 90-1  
Fourth Revision of Sheet No. 90-2  
Fourteenth Revision of Sheet No. 91-7  
Eleventh Revision of Sheet No. 91-9  
Tenth Revision of Sheet No. 91-10  
Tenth Revision of Sheet No. 91-11  
Tenth Revision of Sheet No. 91-12  
Ninth Revision of Sheet No. 91-13  
Eighth Revision of Sheet No. 91-14  
Tenth Revision of Sheet No. 91-15  
Fourteenth Revision of Sheet No. 92-1  
Eighth Revision of Sheet No. 95-3  
Fourteenth Revision of Sheet No. 95-5  
Sixth Revision of Sheet No. 95-8  
Fourteenth Revision of Sheet No. 122-1  
Fourteenth Revision of Sheet No. 122-2  
Third Revision of Sheet No. 122-3  
Second Revision of Sheet No. 122-4  
Tenth Revision of Sheet No. 123-1  
Ninth Revision of Sheet No. 123-2

Fourteenth Revision of Sheet No. 123-3  
Fourteenth Revision of Sheet No. 123-4  
Thirteenth Revision of Sheet No. 123-5  
Third Revision of Sheet No. 123-6  
Thirteenth Revision of Sheet No. 125-2  
Tenth Revision of Sheet No. 126-1  
Ninth Revision of Sheet No. 126-3  
Twenty Third Revision of Sheet No. 128-1  
Twenty Second Revision of Sheet No. 128-2  
Nineteenth Revision of Sheet No. 129-2  
Thirtieth Revision of Sheet No. 129-3  
Thirteenth Revision of Sheet No. 129-4  
First Revision of Sheet No. 129-7  
Eighteenth Revision of Sheet No. 300-1  
Third Revision of Sheet No. 300-2  
Third Revision of Sheet No. 300-3  
Fourth Revision of Sheet No. 300-4  
Fifth Revision of Sheet No. 300-5  
Fifth Revision of Sheet No. 300-6  
Second Revision of Sheet No. 310-1  
Tenth Revision of Sheet No. 485-1  
Fifteenth Revision of Sheet No. 489-1  
Seventh Revision of Sheet No. 490-1  
Seventh Revision of Sheet No. 491-6  
Eleventh Revision of Sheet No. 491-8  
Eighth Revision of Sheet No. 491-9  
Eighth Revision of Sheet No. 491-10  
Eighth Revision of Sheet No. 491-11  
Seventh Revision of Sheet No. 491-12  
Seventh Revision of Sheet No. 491-13  
Sixth Revision of Sheet No. 491-14

Seventh Revision of Sheet No. 492-1  
Seventh Revision of Sheet No. 495-3  
Tenth Revision of Sheet No. 495-5  
Eighth Revision of Sheet No. 495-8  
Eleventh Revision of Sheet No. 515-1  
Twelfth Revision of Sheet No. 515-2  
Eleventh Revision of Sheet No. 515-3  
Eighth Revision of Sheet No. 515-4  
Eleventh Revision of Sheet No. 532-1  
Twelfth Revision of Sheet No. 538-1  
Twelfth Revision of Sheet No. 549-1  
Fifteenth Revision of Sheet No. 575-1  
Twelfth Revision of Sheet No. 576R-1  
Thirteenth Revision of Sheet No. 583-1  
Tenth Revision of Sheet No. 585-1  
Fifteenth Revision of Sheet No. 589-1  
Seventh Revision of Sheet No. 590-1  
Seventeenth Revision of Sheet No. 591-6  
Twenty First Revision of Sheet No. 591-7  
Fourteenth Revision of Sheet No. 591-8  
Thirteenth Revision of Sheet No. 591-9  
Thirteenth Revision of Sheet No. 591-10  
Eleventh Revision of Sheet No. 591-11  
Tenth Revision of Sheet No. 591-12  
Eleventh Revision of Sheet No. 591-13  
Twelfth Revision of Sheet No. 592-1  
Fifteenth Revision of Sheet No. 595-3  
Ninth Revision of Sheet No. 595-6  
Fifth Revision of Sheet No. 750-1  
Fifth Revision of Sheet No. 750-2  
Fourth Revision of Sheet No. 750-3

PGE hereby withdraws the following Sheet:

First Revision of Sheet No. 300-7

This Compliance filing is submitted pursuant to OPUC Order No. 18-464 in Docket No. UE 335.

To satisfy the requirements of OARs 860-022-0025(2), and 860-022-0030 PGE provides the following responses:

The base rate change in revenues is an increase of approximately \$8.8 million for the 895,000 (2019 average) customers resulting in a base rate increase of 0.5%. The overall net change in prices when including the effect of all changes in supplemental schedules effective January 1, 2019 is a decrease of approximately \$3.6 million or 0.2%.

A typical Schedule 7 customer consuming 800 kWh monthly will see a bill increase of \$3.75 or 3.8% resulting from the January 1, 2019 price changes inclusive of the supplemental schedules effective January 1, 2019 that were approved at the December 18, 2018 public meeting.

Included in this filing as Exhibit A is the final UE 335 revenue requirement summary.

Work papers supporting the calculation of prices changes are attached as follows:

- A: Billing Comparisons for major rate schedules
- B: Rate Spread/Rate Design and other work papers

Should you have any questions or comments regarding this filing, please contact Rob Macfarlane at (503) 464-8954.

Please direct your communications related to this filing to the following email address:  
[pge.opuc.filings@pgn.com](mailto:pge.opuc.filings@pgn.com)

Sincerely,



Karla Wenzel  
Manager, Pricing & Tariffs

Enclosures  
cc: Service List – UE 335

**SCHEDULE 6 (Continued)**

**APPLICABLE**

Subject to selection by the Company, eligible Residential (Schedule 7) Customers may elect to participate in the pilot as described in the Enrollment section of this tariff. The Company will select the pricing option under Monthly Rate. Eligible Customers must have a Network Meter. See the Special Conditions section for a list of relevant eligibility criteria. Customers participating in the pricing pilot will be transferred from Schedule 7 to Schedule 6 for the duration of the pilot.

**MONTHLY RATE**

The sum of the following charges per Service Point (SP)\* will apply to Customers participating in the pricing pilot:

<u>Basic Charge</u>	\$11.00		
<u>Transmission and Related Services Charge</u>	0.243	¢ per kWh	(I)
<u>Distribution Charge</u>	4.662	¢ per kWh	(I)
<u>Energy Charge</u>			

See options that follow. The Company will choose the energy price option for each Customer.

\* See Schedule 100 for applicable adjustments.

**SCHEDULE 6 (Continued)**

MONTHLY RATE (Continued)

**Standard Block with PTR**

Energy Charge

First 1,000 kWh	6.329	¢ per kWh	(R)
Over 1,000 kWh	7.051	¢ per kWh	(R)
Peak Time Rebate* (when called)			
Credit at one of the following rates**:			
High	225.000	¢ per kWh	
Mid	155.000	¢ per kWh	
Low	80.000	¢ per kWh	

All Year Long

	AM												PM										
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Seven Days a Week	Std Block																						
Day with PTR (when called*)	Std Block												<b>PTR Window 2-5 Hours</b>					Std Block					

\* The Company will call Peak Time Rebate events only in Event Seasons. Events will not be called on Holidays. Customers pay energy charges based on a standard day, but are also eligible for a Peak Time Rebate.

\*\* Determined by the Company upon enrollment.

**Day/Night Time of Use**

Energy Charge

Off-Peak Period	3.923	¢ per kWh	(R)
On-Peak Period	10.023	¢ per kWh	(R)
First 1,000 kWh block adjustment	(0.722)	¢ per kWh	

All Year Long

	AM												PM										
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Mon. - Fri.	Off Peak						On Peak															Off Peak	
Saturdays, Sundays, and Holidays	Off Peak																						

**SCHEDULE 6 (Continued)**

MONTHLY RATE (Continued)

**Day/Night Time of Use with PTR**

Energy Charge

Off-Peak Period	3.923	¢ per kWh	(R)
On-Peak Period	10.023	¢ per kWh	(R)
First 1,000 kWh block adjustment	(0.722)	¢ per kWh	
Peak Time Rebate* (when called)			
Credit at one of the following rates**:			
High	225.000	¢ per kWh	
Mid	155.000	¢ per kWh	
Low	80.000	¢ per kWh	

Summer Hours (May 1 – October 31)

	AM												PM										
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Mon. - Fri.	Off Peak						On Peak															Off Peak	
Day with PTR (when called*)	Off Peak						On Peak						PTR Window 2-5 Hours			On Peak	Off Peak						
Saturdays, Sundays, and Holidays	Off Peak																						

Winter Hours (November 1 – April 30)

	AM												PM										
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Mon. - Fri.	Off Peak						On Peak															Off Peak	
Day with PTR (when called*)	PM	Off Peak						On Peak						PTR Window 2-5 Hours			On Peak	Off Peak					
	AM	Off Peak					5 O	PTR Window 2-4 Hours		On Peak										Off Peak			
Saturdays, Sundays, and Holidays	Off Peak																						

\* The Company will call Peak Time Rebate events only in Event Seasons. Events will not be called on Holidays. Customers pay energy charges based on a standard day, but are also eligible for a Peak Time Rebate.

\*\* Determined by the Company upon enrollment.

**SCHEDULE 6 (Continued)**

MONTHLY RATE (Continued)

**Two Period Time of Use**

Energy Charge

Off-Peak Period	4.750	¢ per kWh
On-Peak Period	14.050	¢ per kWh
First 1,000 kWh block adjustment	(0.722)	¢ per kWh

(R)  
(R)

Summer Hours (May 1 – October 31)

	AM												PM											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	
Standard Day Mon. - Fri.	Off Peak												On Peak			Off Peak								
Saturdays, Sundays, and Holidays	Off Peak																							

Winter Hours (November 1 – April 30)

	AM												PM											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	
Standard Day Mon. - Fri.	Off Peak						On Peak			Off Peak			On Peak			Off Peak								
Saturdays, Sundays, and Holidays	Off Peak																							

**SCHEDULE 6 (Continued)**

MONTHLY RATE (Continued)

**Two Period Time of Use with Peak Time Rebate**

Energy Charge

Off-Peak Period	4.750	¢ per kWh	(R)
On-Peak Period	14.050	¢ per kWh	(R)
First 1,000 kWh block adjustment	(0.722)	¢ per kWh	
Peak Time Rebate* (when called)			
Credit at one of the following rates**:			
High	225.000	¢ per kWh	
Mid	155.000	¢ per kWh	
Low	80.000	¢ per kWh	

Summer Hours (May 1 – October 31)

	AM												PM										
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Mon. - Fri.	Off Peak												On Peak					Off Peak					
Day with PTR (when called*)	Off Peak												PTR Window 2-5 Hours					Off Peak					
Saturdays, Sundays, and Holidays	Off Peak																						

Winter Hours (November 1 – April 30)

	AM												PM														
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11				
Standard Day Mon. - Fri.	Off Peak						On Peak						Off Peak			On Peak					Off Peak						
Day with PTR (when called*)	PM	Off Peak						On Peak						Off Peak			PTR Window 2-5 Hours					Off Peak					
	-or-																										
	AM	Off Peak						PTR Window 2-4 Hours						Off Peak			On Peak					Off Peak					
Saturdays, Sundays, and Holidays	Off Peak																										

\* The Company will call Peak Time Rebate events only in Event Seasons. Events will not be called on Holidays. Customers pay energy charges based on a standard day, but are also eligible for a Peak Time Rebate.

\*\* Determined by the Company upon enrollment.



**SCHEDULE 6 (Continued)**

MONTHLY RATE (Continued)

**Three Period Time of Use**

Energy Charge

Off-Peak Period	3.313	¢ per kWh
Mid-Peak Period	8.313	¢ per kWh
On-Peak Period	14.413	¢ per kWh
First 1,000 kWh block adjustment	(0.722)	¢ per kWh

(R)  
|  
(R)

Summer Hours (May 1 – October 31)

	AM												PM											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	
Standard Day Mon. - Fri.	Off Peak											Mid Peak	On Peak					Mid Peak	Off Peak					
Saturdays, Sundays, and Holidays	Off Peak																							

Winter Hours (November 1 – April 30)

	AM												PM											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	
Standard Day Mon. - Fri.	Off Peak					On Peak					Mid Peak		On Peak					Mid Peak	Off Peak					
Saturdays, Sundays, and Holidays	Off Peak																							

**SCHEDULE 6 (Continued)**

MONTHLY RATE (Continued)

**Three Period Time of Use with Peak Time Rebate**

Energy Charge

Off-Peak Period	3.313	¢ per kWh	(R)
Mid-Peak Period	8.313	¢ per kWh	
On-Peak Period	14.413	¢ per kWh	(R)
First 1,000 kWh block adjustment	(0.722)	¢ per kWh	
Peak Time Rebate* (when called)			
Credit at one of the following rates**:			
High	225.000	¢ per kWh	
Mid	155.000	¢ per kWh	
Low	80.000	¢ per kWh	

Summer Hours (May 1 – October 31)

	AM											PM											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Mon. - Fri.	Off Peak											Mid Peak	On Peak					Mid Peak	Off Peak				
Day with PTR (when called*)	Off Peak											Mid Peak	PTR Window 2-5 Hours					Mid Peak	Off Peak				
Saturdays, Sundays, and Holidays	Off Peak																						

Winter Hours (November 1 – April 30)

	AM											PM											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Standard Day Mon. - Fri.	Off Peak					On Peak						Mid Peak	On Peak					Mid Peak	Off Peak				
Day with PTR (when called*)	PM	Off Peak					On Peak						Mid Peak	PTR Window 2-5 Hours					Mid Peak	Off Peak			
	AM	Off Peak					PTR Window 2-4 Hours						Mid Peak	On Peak					Mid Peak	Off Peak			
Saturdays, Sundays, and Holidays	Off Peak																						

\* The Company will call Peak Time Rebate events only in Event Seasons. Events will not be called on Holidays. Customers pay energy charges based on a standard day, but are also eligible for a Peak Time Rebate.

\*\* Determined by the Company upon enrollment.

**SCHEDULE 7  
RESIDENTIAL SERVICE**

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Residential Customers.

**MONTHLY RATE**

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

<u>Basic Charge Standard Service and Time-of-Use Portfolio</u>	\$11.00		
<u>Transmission and Related Services Charge</u>	0.243	¢ per kWh	(I)
<u>Distribution Charge</u>	4.662	¢ per kWh	(I)
<u>Energy Charge Standard Service</u>			
First 1,000 kWh	6.329	¢ per kWh	(R)
Over 1,000 kWh	7.051	¢ per kWh	(R)
<u>Time-of-Use (TOU) Portfolio (Whole Premises or Electric Vehicle (EV) TOU) (Enrollment is necessary)</u>			
<u>Transmission and Related Services Charge TOU Portfolio</u>			
On-Peak Period	0.397	¢ per kWh	(I)
Mid-Peak Period	0.397	¢ per kWh	(I)
Off-Peak Period	0.000	¢ per kWh	
<u>Distribution Charge TOU Portfolio</u>			
On-Peak Period	7.616	¢ per kWh	(I)
Mid-Peak Period	7.616	¢ per kWh	(I)
Off-Peak Period	0.000	¢ per kWh	
<u>Energy Charge TOU Portfolio</u>			
On-Peak Period	12.380	¢ per kWh	(R)
Mid-Peak Period	7.051	¢ per kWh	(R)
Off-Peak Period	4.128	¢ per kWh	(R)
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	(I)
<u>Distribution Charge</u>	6.399	¢ per kWh	(I)
<u>Cost of Service Energy Charge</u>	4.898	¢ per kWh	(R)

**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>	<u>Monthly Rate <sup>(1)</sup> Per Luminaire</u>	
Cobrahead					
Mercury Vapor	175	7,000	66	\$12.31	(R)
	400	21,000	147	\$22.12	(R)
	1,000	55,000	374	\$48.34	(R)
HPS	70	6,300	30	\$8.22	(R)
	100	9,500	43	\$9.71	
	150	16,000	62	\$12.00	
	200	22,000	79	\$14.32	
	250	29,000	102	\$16.84	
	310	37,000	124	\$19.72	
	400	50,000	163	\$23.89	(R)
Flood, HPS	100	9,500	43	\$9.60	(R)
	200	22,000	79	\$14.53	
	250	29,000	102	\$17.13	(R)
	400	50,000	163	\$24.11	
Shoebox, HPS (bronze color, flat lens or drop lens, multi-volt)	70	6,300	30	\$9.53	(R)
	100	9,500	43	\$10.71	
	150	16,500	62	\$13.21	
Special Acorn Type, HPS	100	9,500	43	\$12.96	
HADCO Victorian, HPS	150	16,500	62	\$15.14	
	200	22,000	79	\$17.75	
	250	29,000	102	\$20.39	
Early American Post-Top, HPS					
Black	100	9,500	43	\$10.08	(R)

(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	\$12.18	(R)
	175	12,000	71	\$13.52	
Flood, Metal Halide	350	30,000	139	\$21.38	
	400	40,000	156	\$23.51	(R)
Flood, HPS	750	105,000	285	\$41.29	(R)
HADCO Independence, HPS	100	9,500	43	\$13.11	(R)
	150	16,000	62	\$15.29	
HADCO Capitol Acorn, HPS	100	9,500	43	\$16.56	
	150	16,000	62	\$17.47	
	200	22,000	79	\$19.42	
	250	29,000	102	\$22.05	
HADCO Techtra, HPS	100	9,500	43	\$21.46	
	150	16,000	62	\$23.42	
	250	29,000	102	\$27.83	
HADCO Westbrooke, HPS	70	6,300	30	\$14.02	
	100	9,500	43	\$15.09	
	150	16,000	62	\$21.82	
	200	22,000	79	\$19.39	
	250	29,000	102	\$22.60	
Holophane Mongoose, HPS	150	16,000	62	\$15.53	(R)

(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	60	5,488	21	\$12.86	(R)
	70	4,332	24	\$14.14	
HADCO LED	70	5,120	24	\$17.79	
Cobrahead Equivalent					
LED	37	2,530	13	\$4.70	
	50	3,162	17	\$5.13	
	52	3,757	18	\$5.60	
	67	5,050	23	\$6.21	
	106	7,444	36	\$7.99	(R)
	134	14,200	46	\$11.99	(I)
	156	16,300	53	\$13.30	(R)
	176	18,300	60	\$14.99	(I)
	201	21,400	69	\$15.51	
Westbrooke LED (Non-Flare)	36	3,369	12	\$15.54	
	53	5,079	18	\$17.51	
	69	6,661	24	\$17.46	(I)
	85	8,153	29	\$18.66	(R)
	136	12,687	46	\$22.21	
	206	18,159	70	\$24.67	(R)
Westbrooke LED (Flare)	36	3,369	12	\$15.90	(I)
	53	5,079	18	\$18.06	(R)
	69	6,661	24	\$18.91	(R)
	85	8,153	29	\$20.20	(I)
	136	12,687	46	\$21.82	(R)
	206	18,159	70	\$25.95	
CREE XSP LED	25	2,529	9	\$3.34	
	42	3,819	14	\$4.00	
	48	4,373	16	\$4.63	
	56	5,863	19	\$5.42	
	91	8,747	31	\$6.79	(R)
Post-Top, American Revolution					
LED	45	3,395	15	\$8.17	(I)
	72	4,409	25	\$8.81	(I)

(1) See Schedule 100 for applicable adjustments.

**SCHEDULE 15 (Continued)**

MONTHLY RATE (Continued) <u>Type of Pole</u> <u>Rates for Area Light Poles<sup>(1)</sup></u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>	
Wood, Standard	35 or less	\$5.21	(I)
	40 to 55	\$6.21	(R)
Wood, Painted for Underground	35 or less	\$5.21	(I)
Wood, Curved Laminated	30 or less	\$6.56	
Aluminum, Regular	16	\$6.44	
	25	\$10.60	
	30	\$11.39	(I)
	35	\$12.68	(R)
Aluminum, Fluted Ornamental	14	\$9.56	(I)
Aluminum Davit	25	\$10.64	
	30	\$11.21	
	35	\$12.36	
	40	\$16.27	
Aluminum Double Davit	30	\$15.34	
Aluminum, Fluted Ornamental	16	\$10.31	
Aluminum, HADCO, Smooth Techtra Ornamental	18	\$19.83	
Aluminum, HADCO, Fluted Westbrooke	18	\$19.19	
Aluminum, HADCO, Smooth Westbrooke	18	\$19.79	
Concrete Ameron Post-Top	25	\$17.92	(I)

(1) See Schedule 100 for applicable adjustments.

(2) No new service.



**SCHEDULE 15 (Continued)**

MONTHLY RATE (Continued)

<u>Type of Pole</u> Rates for Area Light Poles <sup>(1)</sup>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>	
Fiberglass Fluted Ornamental; Black	14	\$11.08	(I)
Fiberglass, Regular			
Black	20	\$4.75	
Gray or Bronze	30	\$7.98	
Black, Gray, or Bronze	35	\$7.45	
Fiberglass, Anchor Base, Gray or Black	35	\$13.01	
Fiberglass, Direct Bury with Shroud	18	\$7.52	(I)

**INSTALLATION CHARGE**

See Schedule 300 regarding the installation of conduit on wood poles.

**ADJUSTMENTS**

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

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

**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)\*:

<u>Basic Charge</u>			
Single Phase Service	\$20.00		(I)
Three Phase Service	\$29.00		
 <u>Transmission and Related Services Charge</u>			
	0.206	¢ per kWh	
 <u>Distribution Charge</u>			
First 5,000 kWh	4.232	¢ per kWh	(I)
Over 5,000 kWh	1.487	¢ per kWh	(I)
 <u>Energy Charge Options</u>			
Standard Service	5.842	¢ per kWh	(R)
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	(R)

\* 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 voltage with a monthly Demand that does not exceed 200 kW more than once in the preceding 13 months; 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		(I)
<u>Transmission and Related Services Charge</u>	0.171	¢ per kWh	
<u>Distribution Charge</u>	7.041	¢ per kWh	
<u>Energy Charge*</u>			
On-Peak Period	6.070	¢ per kWh	(I)
Off-Peak Period	4.570	¢ per kWh	(R)

\* 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		(l)
Winter Months**	No Charge		
<u>Transmission and Related Services Charge</u>	0.213	¢ per kWh	(l)
<u>Distribution Charge</u>			
First 50 kWh per kW of Demand***	11.099	¢ per kWh	
Over 50 kWh per kW of Demand	9.099	¢ per kWh	
<u>Energy Charge</u>	7.094	¢ per kWh	(l)

\* 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)\*:

<u>Basic Charge</u>			
Summer Months**	\$45.00		(I)
Winter Months**	No Charge		
<u>Transmission and Related Services Charge</u>	0.212	¢ per kWh	(I)
<u>Distribution Charge</u>			
First 50 kWh per kW of Demand***	8.099	¢ per kWh	(R)
Over 50 kWh per kW of Demand	6.099	¢ per kWh	(R)
<u>Energy Charge</u>	7.068	¢ per kWh	(I)

\* 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	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.78	\$0.76	\$0.75	(I)
<u>Distribution Charges</u> The sum of the following: per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	(R)
Over 4,000 kW	\$1.22	\$1.18	\$1.18	(R)
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27	(R) (I)
<u>Generation Contingency Reserves Charges</u>				
Spinning Reserves per kW of Reserved Capacity > 2,000 kW	\$0.234	\$0.234	\$0.234	
Supplemental Reserves per kW of Reserved Capacity > 2,000 kW	\$0.234	\$0.234	\$0.234	
<u>System Usage Charge</u> per kWh	0.102 ¢	0.099 ¢	0.097 ¢	(R)
<u>Energy Charge</u> per kWh	See Energy Charge Below			

\* See Schedule 100 for applicable adjustments.

**SCHEDULE 75 (Continued)**

ENERGY CHARGE (Continued)

Baseline Energy (Continued)

If other than the typical operations are used to determine Baseline Energy, the Customer and the Company must agree on the Baseline Energy before the Customer may take service under this schedule. The Company may require use of an alternate method to determine the Baseline Energy when the Customer's usage not normally supplied by its generator is highly variable.

Baseline Energy will be charged at the applicable Energy Charge, including adjustments, under Schedule 89. All Energy Charge options included in Schedule 89 are available to the Customer on Schedule 75 based on the terms and conditions under Schedule 89. For Energy supplied in excess of Baseline Energy, the Scheduled Maintenance Energy and/or Unscheduled Energy charges will apply except for Energy supplied pursuant to Schedule 76R.

Any Energy Charge option for Baseline Energy selected by a Customer will remain in effect and continue to be the default option until the Customer has given the required notice to change the applicable Energy Charge Option. To change options, Customers must give notice as specified for that option and must complete the specified term of their current option. The Cost of Service Option will be the default for Customers or new Customers who have not selected another option or Direct Access Service.

Scheduled Maintenance Energy

Scheduled Maintenance Energy is Energy prescheduled for delivery, up to 744 hours per calendar year, to serve the Customer's load normally served by the Customer's own generation (i.e. above Baseline Energy). Scheduled Maintenance must be prescheduled at least one month (30 days) before delivery for a time period mutually agreeable to the Company and the Customer.

When the Customer preschedules Energy for an entire calendar month, the Customer may choose that the Scheduled Maintenance Energy Charge be either the Monthly Fixed or Daily Price Energy Charge Option, including adjustments as identified in Schedule 100 and notice requirements as described under Schedule 89. When the Customer preschedules Energy for less than an entire month, the Scheduled Maintenance Energy will be charged at the Daily Price Energy Option, including adjustments, under Schedule 89.

Unscheduled Energy

Any Electricity provided to the Customer that does not qualify as Baseline Energy or Scheduled Maintenance Energy will be Unscheduled Energy and priced at an Hourly Rate consisting of the Powerdex Mid-Columbia Hourly Firm Electricity Price Index (Powerdex-Mid-C Hourly Firm Index) plus 0.306¢ per kWh for wheeling, a 0.300¢ per kWh recovery factor, plus losses.

(R)

**SCHEDULE 76R  
PARTIAL REQUIREMENTS  
ECONOMIC REPLACEMENT POWER RIDER**

**PURPOSE**

To provide Customers served on Schedule 75 with the option of purchasing Energy from the Company to replace some, or all, of the Customer's on-site generation when the Customer deems it is more economically beneficial than self generating.

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Large Nonresidential Customers served on Schedule 75.

**MONTHLY RATE**

The following charges are in addition to applicable charges under Schedule 75:\*

	<u>Secondary</u>	<u>Delivery Voltage</u>		
		<u>Primary</u>	<u>Subtransmission</u>	
<u>Transmission and Related Services Charge</u> per kW of Daily Economic Replacement Power (ERP) On-Peak Demand per day	\$0.030	\$0.030	\$0.029	(I)
<u>Daily ERP Demand Charge</u> per kW of Daily ERP Demand during On-Peak hours per day**	\$0.102	\$0.099	\$0.049	(R)
<u>Transaction Fee</u> per Energy Needs Forecast (ENF)	\$50.00	\$50.00	\$50.00	
<u>Energy Charge*</u> per kWh of ERP	See below for ERP Pricing			

\* See Schedule 100 for applicable adjustments.

\*\* Peak hours (also called heavy load hours "HLH") are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours (also called light load hours "LLH") are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.



**SCHEDULE 76R (Continued)**

ENF AND ERP (Continued)  
ERP Supply Options (Continued)  
ENF Options for ERP (Continued)

The Daily ENF pre-scheduling protocols will conform to the standard practices, applicable definitions, requirements and schedules of the WECC. Pre-Schedule Day means the trading day immediately preceding the day of delivery consistent with WECC practices for Saturday, Sunday, Monday or holiday deliveries.

ERP Pricing

The following ERP Energy Charges are applied to the applicable hourly ENF and summed for the hours for the monthly billing:

Short-Notice ERP: The Short Notice ERP Energy Charge will be an Hourly Rate consisting of the Powerdex Mid-Columbia Hourly Price Index (Powerdex-Mid-C Hourly Index) plus a 5% adder, which will not be less than 0.15¢ per kWh, plus 0.306¢ per kWh for wheeling, plus losses. If prices are not reported for a particular hour or hours, the average of the immediately preceding and following reported hours' prices within on- or off-peak periods, as applicable, will determine the price for the non-reported period. Prices reported with no transaction volume or as survey-based will be considered reported. (R)

Daily ERP: The Daily ERP Energy Charge will be determined in accordance with a commodity energy price quote from the Company accepted by the Customer plus a 5% adder, which will not be less than 0.15¢ per kWh, plus 0.306¢ per kWh for wheeling, plus losses. Customer will communicate with PGE between hour 0615 and 0625 to receive the PGE commodity energy price quote based on the customer's submitted ENF for the day of delivery. Customer will state acceptance of quote within 5 minutes of receipt of quote from the Company. The quote may incorporate reasonable premiums to reflect the additional cost of ENF amounts that are in nonstandard block sizes (i.e., other than multiples of 25 MW) and such premium will not be separately stated. The methods to communicate and the times to receive information and quotes may be adjusted with mutual written agreement of the parties. Failure to accept a quote in the stated time is deemed to mean the quote is rejected and the transaction will not take place. (R)

Monthly ERP: The Monthly ERP Energy Charge will be determined in accordance with a price quote accepted by the Customer plus a 5% adder, which will not be less than 0.15¢ per kWh, plus 0.306¢ per kWh for wheeling, plus losses. At customer request and based on the submitted Monthly ENF, the Company will provide a price quote for the next full calendar month for the ENF commodity energy only amount specified by the customer at the time of the request. The Company will respond to the request with a quote within 4 hours or as otherwise mutually agreed to. Customer will accept or reject the quote within 30 minutes. Customer communication regarding a price quote will be in the manner agreed to by the Company and the Customer. The quote may incorporate reasonable premiums to reflect the additional cost of ENF amounts that are in nonstandard block sizes (i.e., other than multiples of 25 MW) and such premium will not be separately stated. (R)

**SCHEDULE 76R (Continued)**

ENF AND ERP (Continued)  
ERP Supply Options (Continued)  
ERP Pricing (Continued)

The methods to communicate and the times to receive information and quotes may be adjusted with mutual written agreement of the parties. Failure to accept a quote in the stated time is deemed to mean the quote is rejected and the transaction will not take place.

On-peak hours (Heavy Load Hours, HLH) are between 6:00 a.m. and 10:00 p.m. PPT (hours ending 0700 through 2200), Monday through Saturday. Off-peak hours (Light Load Hours, LLH) are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all hours Sunday.

Losses will be included by multiplying the ERP Charge by the following adjustment factors:

Subtransmission Delivery Voltage	1.0356
Primary Delivery Voltage	1.0496
Secondary Delivery Voltage	1.0685

**ACTUAL ENERGY USAGE**

Actual Energy usage during times when ERP deliveries are occurring will be the amount of Energy above the Customer's Schedule 75 Baseline Energy.

**IMBALANCE ENERGY SETTLEMENT**

Imbalance Settlement Amounts are bill credits or charges resulting from hourly Imbalance Energy multiplied by the applicable hourly Settlement Price and summed for all hours in the billing period. Imbalance Energy is the kWh amount determined hourly as the deviation between Actual Energy for such hour and the ENF for such hour (i.e., Imbalance Energy = Actual Energy less ENF).

For any Imbalance Energy in any hour up to 7.5% of the hourly ENF (positive or negative amount), the Imbalance Settlement Amount for the hour is:

- For positive Imbalance Energy (where Customer receives more ERP than the ENF), the Imbalance Energy multiplied by the Settlement Price of the Powerdex Mid-Columbia Hourly Price Index (Powerdex-Mid-C Hourly Index), plus 0.306¢ per kWh for wheeling, plus losses. (R)
- For negative Imbalance Energy (where Customer receives less ERP than the ENF), the Imbalance Energy is multiplied by the Settlement Price of the Powerdex-Mid-C Hourly Index plus 0.306¢ per kWh for wheeling, plus losses. (R)

### SCHEDULE 76R (Continued)

#### IMBALANCE ENERGY SETTLEMENT (Continued)

For any Imbalance Energy in any hour in excess of 7.5% of the hourly ENF (positive or negative amount), the Imbalance Settlement Amount for the hour is:

- For positive excess Imbalance Energy, the excess Imbalance Energy multiplied by the Settlement Price, which is the Powerdex Mid-Columbia Hourly Price Index (Powerdex-Mid-C Hourly Index), plus 10%, plus 0.306¢ per kWh for wheeling, plus losses. (R)

For negative excess Imbalance Energy, the excess Energy Imbalance is multiplied by the Settlement Price of the Powerdex-Mid-C Hourly Index, less 10%, plus 0.306¢ per kWh for wheeling, plus losses. (R)

The Imbalance Settlement Amount may be a credit or charge in any hour.

#### DAILY ERP DEMAND

Daily ERP Demand is the highest 30 minute Demand occurring during the days that the Company supplies ERP to the Customer less the sum of the Customer's Schedule 75 Baseline Demand and any Unscheduled Demand. Daily ERP Demand will not be less than zero. Daily ERP Demand will be billed for each day in the month that the Company supplies ERP to the Customer.

If the sum of the Customer's Unscheduled and Schedule 75 Baseline Demand exceeds their Daily ERP Demand, no additional Daily Demand charges are applied to the service under this schedule for the applicable Billing Period.

#### UNSCHEDULED DEMAND

Unscheduled Demand is the difference in the highest 30 minute monthly Demand and the Customer's Baseline occurring when the Customer did not receive ERP.

#### ADJUSTMENTS

Service under this rider is subject to all adjustments as summarized in Schedule 100, except for: 1) any power cost adjustment recovery based on costs incurred while the Customer is taking Service under this schedule, and 2) Schedule 128.

#### SPECIAL CONDITIONS

1. Prior to receiving service under this schedule, the Customer and the Company must enter into a written agreement governing the terms and conditions of service.
2. Service under this schedule applies only to prescheduled ERP supplied by the Company pursuant to this schedule and the corresponding agreement. All other Energy supplied will be made under the terms of Schedule 75. All notice provisions of this schedule and agreement must be complied with for delivery of Energy. The Customer is required to maintain Schedule 75 service unless otherwise agreed to by the Company.

**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)\*:

<u>Basic Charge</u>		
Single Phase Service	\$35.00	(I)
Three Phase Service	\$45.00	
<u>Transmission and Related Services Charge</u>		
per kW of monthly On-Peak Demand	\$0.78	(I)
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 30 kW	\$3.50	(R)
Over 30 kW	\$3.40	(R)
per kW of monthly On-Peak Demand	\$2.61	(R)
<u>Energy Charge (per kWh)</u>		
On-Peak Period***	6.335 ¢	(R)
Off-Peak Period***	4.835 ¢	(R)
See below for Daily Pricing Option description.		
<u>System Usage Charge</u>		
per kWh	0.699 ¢	(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 83 (Continued)**

MONTHLY RATE (Continued)

Energy Charge Options:

Any Energy Charge option selected by a Customer will remain in effect and continue to be the default option until the Customer has given the required notice to change the applicable Energy Charge Option. To change options, Customers must give notice as specified for that option below and must complete the specified term of their current option. The Cost of Service Option will be the default for Customers or new Customers who have not selected another option or Direct Access Service. If a Customer chooses Direct Access Service or a pricing option other than the Cost of Service Option, that Customer may not receive service under the Cost of Service Option until the next service year and with timely notice.

**NON COST OF SERVICE OPTION**

Daily Price Option - 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. To begin service under this option, the Customer receiving service under Cost of Service price option will notify the Company by the close of the November Election Window or for eligible Customers, the close of a Balance-of-Year Election Window. (R)

Losses will be included by multiplying the above applicable Energy Charge Option by the following adjustment factors:

Secondary Delivery Voltage	1.0685
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Non-Cost of Service Option is subject to Schedule 128, Short Term Transition Adjustment.

Interval metering and meter communications should be in place prior to initiation of service under this schedule. Where interval metering has not been installed, the Customer's Electricity usage will be billed as 65% on-peak and 35% off-peak. Upon installation of an interval meter, the Company will bill the Customer according to actual metered usage.

**PLUG-IN ELECTRIC VEHICLE TIME OF USE (EV TOU) OPTION**

Should a Customer receiving service under this Schedule 83 opt for a separately metered EV TOU option, the separately metered Electric Vehicle charging load will determine the applicable rate schedule under which EV TOU charging service is provided. For example, please refer to Schedules 32 and 38.

**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	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.78	\$0.76	(I)
<u>Distribution Charges**</u> The sum of the following:			
per kW of Facility Capacity			
First 200 kW	\$3.17	\$3.10	(R)
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 ¢	(R)
Off-Peak Period***	4.691 ¢	4.586 ¢	
See below for Daily Pricing Option description.			
<u>System Usage Charge</u> per kWh	0.097 ¢	0.093 ¢	(R)

\* 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 (Continued)**

MONTHLY RATE (Continued)

Energy Charge Options:

Any Energy Charge option selected by a Customer will remain in effect and continue to be the default option until the Customer has given the required notice to change the applicable Energy Charge Option. To change options, Customers must give notice as specified for that option below and must complete the specified term of their current option. The Cost of Service Option will be the default for Customers or new Customers who have not selected another option or Direct Access Service. If a Customer chooses Direct Access Service or a pricing option other than the Cost of Service Option, that Customer may not receive service under the Cost of Service Option until the next service year and with timely notice.

**PLUG-IN ELECTRIC VEHICLE TIME OF USE (EV TOU) OPTION**

Should a Customer receiving service under this Schedule 85 opt for a separately metered EV TOU option, the separately metered Electric Vehicle charging load will determine the applicable rate Schedule under which EV TOU charging service is provided. For example, please refer to Schedules 32 and 38.

**NON COST OF SERVICE OPTION**

Daily Price Option - 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. To begin service under this option, the Customer receiving service under Cost of Service price option will notify the Company by the close of the November Election Window or for eligible Customers, the close of a Balance-of-Year Election Window. (R)

Losses will be included by multiplying the above applicable Energy Charge Option by the following adjustment factors:

Primary Delivery Voltage	1.0496
Secondary Delivery Voltage	1.0685

Non-Cost of Service Option is subject to Schedule 128, Short Term Transition Adjustment.

Interval metering and meter communications should be in place prior to initiation of service under this schedule. Where interval metering has not been installed, the Customer's Electricity usage will be billed as 65% on-peak and 35% off-peak. Upon installation of an interval meter, the Company will bill the Customer according to actual metered usage.

**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	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.78	\$0.76	\$0.75	(I)
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	(R)
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27	(I)
<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	0.102 ¢	0.099 ¢	0.097 ¢	(R)

\* 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 (Continued)**

MONTHLY RATE (Continued)

Energy Charge Options:

Any Energy Charge option selected by a Customer will remain in effect and continue to be the default option until the Customer has given the required notice to change the applicable Energy Charge Option. To change options, Customers must give notice as specified for that option below and must complete the specified term of their current option. The Cost of Service Option will be the default for Customers or new Customers who have not selected another option or Direct Access Service. If a Customer chooses Direct Access Service or a pricing option other than the Cost of Service Option, it may not receive service under the Cost of Service Option until the next service year and with timely notice.

**NON-COST OF SERVICE OPTION**

Daily Price Option - 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. To begin service under this option, the Customer receiving service under Cost of Service price option will notify the Company by the close of the November Election Window or for eligible Customers, the close of a Balance-of-Year Election Window. (R)

Losses will be included by multiplying the above applicable Energy Charge Option by the following adjustment factors:

Subtransmission Delivery Voltage	1.0356
Primary Delivery Voltage	1.0496
Secondary Delivery Voltage	1.0685

Non-Cost of Service Option is subject to Schedule 128, Short Term Transition Adjustment

**PLUG-IN ELECTRIC VEHICLE TIME OF USE (EV TOU) OPTION**

Should a Customer receiving service under this Schedule 89 opt for a separately metered EV TOU option, the separately metered Electric Vehicle charging load will determine the applicable rate schedule under which EV TOU charging service is provided. For example, please refer to Schedules 32 and 38.

**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	(I)
<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	(I)
per kW of monthly on-peak Demand	\$2.53	(R)
<u>Energy Charge</u> (per kWh)		
On-Peak Period***	5.577¢	(R)
Off-Peak Period***	4.077¢	(R)
See below for Daily Pricing Option description.		
<u>System Usage Charge</u> per kWh	0.054¢	(R)

\* 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 (Continued)**

MONTHLY RATE (Continued)

Energy Charge Options:

Any Energy Charge option selected by a Customer will remain in effect and continue to be the default option until the Customer has given the required notice to change the applicable Energy Charge Option. To change options, Customers must give notice as specified for that option below and must complete the specified term of their current option. The Cost of Service Option will be the default for Customers or new Customers who have not selected another option or Direct Access Service. If a Customer chooses Direct Access Service or a pricing option other than the Cost of Service Option, it may not receive service under the Cost of Service Option until the next service year and with timely notice.

**NON-COST OF SERVICE OPTION**

Daily Price Option - 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. To begin service under this option, the Customer receiving service under Cost of Service price option will notify the Company by the close of the November Election Window or for eligible Customers, the close of a Balance-of-Year Election Window.

(R)

Losses will be included by multiplying the above applicable Energy Charge Option by the following adjustment factors:

Subtransmission Delivery Voltage	1.0356
Primary Delivery Voltage	1.0496
Secondary Delivery Voltage	1.0685

Non-Cost of Service Option is subject to Schedule 128, Short Term Transition Adjustment

**PLUG-IN ELECTRIC VEHICLE TIME OF USE (EV TOU) OPTION**

Should a Customer receiving service under this Schedule 89 opt for a separately metered EV TOU option, the separately metered Electric Vehicle charging load will determine the applicable rate schedule under which EV TOU charging service is provided. For example, please refer to Schedules 32 and 38.

**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	(I)
<u>Distribution Charge</u>	6.399 ¢ per kWh	(I)
<u>Energy Charge</u>		
Cost of Service Option	4.898 ¢ per kWh	(R)

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. (R)

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 91 (Continued)**

**RATES FOR STANDARD LIGHTING**

**High-Pressure Sodium (HPS) Only – Service Rates**

<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 Power Doors **	70	6,300	30	*	\$1.29
	100	9,500	43	*	1.28
	150	16,000	62	*	1.29
	200	22,000	79	*	1.32
	250	29,000	102	*	1.30
	400	50,000	163	*	1.34
Cobrahead	70	6,300	30	\$4.86	1.51
	100	9,500	43	4.86	1.51
	150	16,000	62	4.98	1.53
	200	22,000	79	5.74	1.58
	250	29,000	102	5.62	1.56
	400	50,000	163	5.69	1.57
Flood	250	29,000	102	5.91	1.60
	400	50,000	163	5.91	1.60
Early American Post-Top	100	9,500	43	5.24	1.56
Shoebox (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	6.18	1.69
	100	9,500	43	5.87	1.65
	150	16,000	62	6.19	1.69

\* Not offered.

\*\* Service is only available to Customers with total power door luminaires in excess of 2,500.

**RATES FOR STANDARD POLES**

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Fiberglass, Black, Bronze, or Gray	20	\$4.83	\$0.15
Fiberglass, Black or Bronze	30	7.48	0.24
Fiberglass, Gray	30	8.11	0.26
Fiberglass, Smooth, Black or Bronze	18	5.08	0.16
Fiberglass, Regular Black, Bronze, or Gray	18	\$4.24	\$0.13
	35	7.56	0.24

**SCHEDULE 91 (Continued)**

RATES FOR STANDARD POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>			
		<u>Option A</u>	<u>Option B</u>		
Wood, Standard	30 to 35	\$5.32	\$0.17	(I)	(I)
Wood, Standard	40 to 55	6.32	0.20	(R)	(R)

RATES FOR CUSTOM LIGHTING

<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>		
Special Acorn-Types							
HPS	100	9,500	43	\$8.50	\$1.95	(I)	
HADCO Victorian, HPS	150	16,000	62	8.50	1.95		
	200	22,000	79	9.17	2.04		
	250	29,000	102	9.17	2.04		
HADCO Capitol Acorn, HPS	100	9,500	43	12.10	2.42		
	150	16,000	62	10.83	2.25		
	200	22,000	79	10.84	2.26		
	250	29,000	102	10.83	2.25		
Special Architectural Types							
HADCO Independence, HPS	100	9,500	43	8.65	1.96		
	150	16,000	62	8.65	1.96		
HADCO Techtra, HPS	100	9,500	43	17.00	3.06		
	150	16,000	62	16.78	3.03		
	250	29,000	102	16.61	3.01		
HADCO Westbrooke, HPS	70	6,300	30	11.05	2.28		
	100	9,500	43	10.63	2.22		
	150	16,000	62	15.18	2.81		
	200	22,000	79	10.81	2.25		
	250	29,000	102	11.38	2.32		

**SCHEDULE 91 (Continued)**

RATES FOR CUSTOM LIGHTING (Continued)

<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>	
Special Types						
Flood, Metal Halide	350	30,000	139	\$5.93	\$1.75	(I)
Flood, HPS	750	105,000	285	9.12	2.83	(I)
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	
Ornamental Acorn	55	2,800	21	*	*	
Ornamental Acorn Twin	55	5,600	42	*	*	
Composite, Twin	140	6,815	54	*	*	
	175	9,815	66	*	*	

\* Not offered.

\*\* Rates are based on current kWh energy charges.

**RATES FOR CUSTOM POLES**

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum, Regular	25	\$10.73	\$0.34	(I)
	30	11.52	0.37	(I)
	35	12.80	0.41	(R)
Aluminum Davit	25	10.77	0.34	(I)
	30	11.34	0.36	
	35	12.49	0.40	
	40	16.42	0.52	
Aluminum Double Davit	30	15.47	0.49	(I)

**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	\$9.64	\$0.31	(I)
Aluminum, HADCO, Smooth Techtra Ornamental	18	19.96	0.63	
Aluminum, Fluted Ornamental	16	10.39	0.33	
Aluminum, HADCO, Fluted Westbrooke	18	19.32	0.61	
Aluminum, HADCO, Smooth Westbrooke	18	19.91	0.63	
Fiberglass, Fluted Ornamental Black	14	11.18	0.35	
Fiberglass, Anchor Base, Gray or Black	35	13.12	0.42	

**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	\$5.39	\$1.79	(I)
Cobrahead, Mercury Vapor	100	4,000	39	*	*	
	175	7,000	66	4.82	1.47	
	250	10,000	94	*	*	
	400	21,000	147	5.75	1.59	
	1,000	55,000	374	5.98	1.86	
Holophane Mongoose, HPS	150	16,000	62	8.89	2.00	
	250	29,000	102	8.34	1.93	
Special Box Similar to GE "Space-Glo"						
	HPS	70	6,300	30	5.83	
Mercury Vapor	175	7,000	66	5.79	1.57	(I)

\* Not offered.



**SCHEDULE 91 (Continued)**

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

<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>
Special Box, Anodized Aluminum Similar to GardCo Hub					
HPS - Twin	70	6,300	60	*	*
HPS	70	6,300	30	*	*
	100	9,500	43	*	\$1.90
	150	16,000	62	*	1.92
	250	29,000	102	*	*
	400	50,000	163	*	*
Metal Halide	250	20,500	99	*	1.25
	400	40,000	156	*	1.25
Cobrahead, Metal Halide	175	12,000	71	*	1.66
Flood, Metal Halide	400	40,000	156	\$6.11	1.81
Cobrahead, Dual Wattage, HPS					
70/100 Watt Ballast	100	9,500	43	*	1.53
100/150 Watt Ballast	100	9,500	43	*	1.53
100/150 Watt Ballast	150	16,000	62	*	1.55
Special Architectural Types Including Philips QL Induction Lamp Systems					
HADCO Victorian, QL	85	6,000	32	*	0.70
	165	12,000	60	*	0.83
HADCO Techtra, QL	165	12,000	60	18.05	1.08
Special Architectural Types					
KIM SBC Shoebox, HPS	150	16,000	62	*	2.39
KIM Archetype, HPS	250	29,000	102	*	2.44
	400	50,000	163	*	2.13
Special Acorn-Type, HPS	70	6,300	30	8.53	1.98
Special GardCo Bronze Alloy					
HPS	70	5,000	30	*	*
Mercury Vapor	175	7,000	66	*	*

\* Not offered.

(1)

**SCHEDULE 91 (Continued)**

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates Option A	Monthly Rates Option B
Early American Post-Top, HPS					
Black	70	6,300	30	\$5.18	\$1.50
Rectangle Type	200	22,000	79	*	*
Incandescent	92	1,000	31	*	*
	182	2,500	62	*	*
Town and Country Post-Top					
Mercury Vapor	175	7,000	66	5.19	1.51
Flood, HPS	70	6,300	30	4.77	1.42
	100	9,500	43	4.75	1.52
	200	22,000	79	5.95	1.64
Cobrahead, HPS					
Power Door	310	37,000	124	5.98	1.92
Special Types Customer-Owned & Maintained					
Ornamental, HPS	100	9,500	43	*	*
Twin Ornamental, HPS	Twin 100	9,500	86	*	*
Compact Fluorescent	28	N/A	12	*	*

\* Not offered.

(I)

(II)

**SCHEDULE 91 (Continued)**

**RATES FOR OBSOLETE LIGHTING POLES**

<u>Type of Pole</u>	<u>Poles Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum Post	30	\$6.52	*
Aluminum, Painted Ornamental	35	*	\$0.97
Aluminum, Regular	16	6.52	0.21
Bronze Alloy GardCo	12	*	0.19
Concrete, Ornamental	35 or less	10.73	0.34
Fiberglass, Direct Bury with Shroud	18	7.65	0.24
Steel, Painted Regular **	25	10.73	0.34
Steel, Painted Regular **	30	11.52	0.37
Steel, Unpainted 6-foot Mast Arm **	30	*	0.36
Steel, Unpainted 6-foot Davit Arm **	30	*	0.36
Steel, Unpainted 8-foot Mast Arm **	35	*	0.40
Steel, Unpainted 8-foot Davit Arm **	35	*	0.40
Wood, Laminated without Mast Arm	20	4.83	0.15
Wood, Laminated Street Light Only	20	4.83	*
Wood, Curved Laminated	30	6.66	0.24
Wood, Painted Underground	35	5.32	0.17

(I)

\* Not offered.

\*\* Maintenance does not include replacement of rusted steel poles.

**SPECIALTY SERVICES OFFERED**

Upon Customer request and subject to the Company's agreement, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

**ADJUSTMENTS**

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

**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	(I)
<u>Distribution Charge</u>	2.925 ¢ per kWh	(I)
<u>Energy Charge</u>	5.109 ¢ per kWh	(R)

\* 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)**

**STREETLIGHT POLES SERVICE OPTIONS**

See Schedule 91 for Streetlight poles service options.

**MONTHLY RATE**

In addition to the service rates for Option A 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	(I)
<u>Distribution Charge</u>	6.399 ¢ per kWh	(I)
<u>Energy Charge</u>		(R)
Cost of Service Option	4.898 ¢ per kWh	

**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. (R)

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.

**SCHEDULE 95 (Continued)**

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

Labor Rate	Straight Time	Overtime <sup>(1)</sup>
	\$142.00 per hour	\$208.00 per hour

<sup>(1)</sup> 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 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 Rate Option A</u>	
Cobrahead Equivalent	37	2,530	13	\$2.86	(R)
Cobrahead Equivalent	50	3,162	17	2.83	
Cobrahead Equivalent	52	3,757	18	3.18	
Cobrahead Equivalent	67	5,050	23	3.35	
Cobrahead Equivalent	106	7,444	36	3.64	(R)
Cobrahead Equivalent	134	14,200	46	7.18	(I)
Cobrahead Equivalent	156	16,300	53	7.69	(R)
Cobrahead Equivalent	176	18,300	60	8.58	(I)
Cobrahead Equivalent	201	21,400	69	8.07	(I)

**SCHEDULE 95 (Continued)**

**RATES FOR DECORATIVE LIGHTING**

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

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Option A</u>	
Acorn LED	60	5,488	21	\$10.92	(I)
	70	4,332	24	11.85	(R)
HADCO Acorn LED	70	5,120	24	15.50	(R)
Westbrooke (Non-Flared) LED	36	3,369	12	14.63	(I)
	53	5,079	18	15.91	
	69	6,661	24	15.17	
	85	8,153	29	15.80	
	136	12,687	46	17.39	
	206	18,159	70	17.12	
Westbrooke (Flared) LED	36	3,369	12	14.99	(I)
	53	5,079	18	16.46	
	69	6,661	24	16.62	(I)
	85	8,153	29	17.34	(I)
	136	12,687	46	17.01	(R)
	206	18,159	70	18.40	(I)
Post-Top, American Revolution LED	45	3,395	15	6.91	
	72	4,409	25	6.40	(I)

**SPECIALTY SERVICES OFFERED**

Upon Customer request and subject to the Company's agreement, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

**ADJUSTMENTS**

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

**SCHEDULE 122  
RENEWABLE RESOURCES AUTOMATIC ADJUSTMENT CLAUSE**

**PURPOSE**

This Schedule recovers the revenue requirements of qualifying Company-owned or contracted new renewable energy resource and energy storage projects associated with renewable energy resources (including associated transmission) not otherwise included in rates. Additional new renewable and energy storage projects associated with renewable energy resources may be incorporated into this schedule as they are placed in service. This adjustment schedule is implemented as an automatic adjustment clause as provided for under ORS 757.210 and Section 13 of the Oregon Renewable Energy Act (OREA).

(C)  
(C)

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To all bills for Electricity Service except Schedules 76, 485, 489, 490, 491, 492, 495 and 576. This schedule is not applicable to direct access customers after December 31, 2010.

**ADJUSTMENT RATE**

The Adjustment Rate, applicable for service on and after the effective date of this schedule are:

<u>Schedule</u>		
7	0.000	¢ per kWh
15	0.000	¢ per kWh
32	0.000	¢ per kWh
38	0.000	¢ per kWh
47	0.000	¢ per kWh
49	0.000	¢ per kWh
75		
Secondary	0.000	¢ per kWh
Primary	0.000	¢ per kWh
Subtransmission	0.000	¢ per kWh
83	0.000	¢ per kWh
85		
Secondary	0.000	¢ per kWh
Primary	0.000	¢ per kWh



**SCHEDULE 122 (Continued)**

ADJUSTMENT RATE (Continued)

<u>Schedule</u>			
89			
	Secondary	0.000	¢ per kWh
	Primary	0.000	¢ per kWh
	Subtransmission	0.000	¢ per kWh
90		0.000	¢ per kWh
91		0.000	¢ per kWh
92		0.000	¢ per kWh
95		0.000	¢ per kWh

**ANNUAL REVENUE REQUIREMENTS**

The Annual Revenue Requirements of a qualifying project will include the fixed costs of the renewable or energy storage resource and associated transmission (including return on and return of the capital costs), operation and maintenance costs, income taxes, property taxes, and other fees and costs that are applicable to the renewable or energy storage resource or associated transmission. Until the dispatch benefits are included in the Annual Power Cost Update Schedule 125, the net revenue requirements of each project (fixed costs less market value of the energy produced by the renewable or energy storage resource plus any power costs such as fuel, integration and wheeling costs) will be deferred and incorporated the following January 1 into the Schedule 122 rates. This balancing account will accrue interest at the Commission-authorized rate for deferred accounts. Each year by April 1, the Company will file an update to the revenue requirements of resources included in this schedule to recognize projected changes for the following calendar year. (C)

**DEFERRAL MECHANISM**

For each calendar year that the Company anticipates that a new renewable or energy storage resource will commence operation, the Company may file a deferral request the earlier of the resource online date or April 1. The deferral amount will be for the fixed revenue requirements of the resource less net dispatch benefits. For purposes of determining dispatch benefits, the forward curves used to set rates for the year under the Annual Power Cost Update will be used. The deferral will be amortized over the next calendar year in Schedule 122 unless otherwise approved by the Oregon Public Utility Commission (OPUC). The amortization of the deferred amount will not be subject to the provisions of ORS 757.259(5). (C)

### SCHEDULE 122 (Continued)

#### TIME AND MANNER OF FILING

For each calendar year that the Company is required to update the Annual Revenue Requirements or proposes to include a new resource under this schedule, the Company will file by no later than April 1, the following:

(C)

1. Revised rates under this schedule and a transmittal letter that summarizes the proposed revenue requirements and charges for both the new resource(s) and the updated revenue requirements and charges for applicable resources previously approved for recovery under this schedule. In addition, the filing will include revised income taxes and associated ratios to calculate "taxes authorized to be collected in rates" under ORS 757.268.
2. Within the Company's Annual Power Cost Update (Schedule 125) filing, the Company will include for the following year the expected generation of resources included in this schedule and the power costs of these resources.
3. Work papers that support the calculation of revenue requirements for all applicable resources and demonstrate how the proposed prices are calculated.

By December 1, the Company will file the updated rates that are in compliance with the Commission's findings in the proceeding reviewing the April 1 filing.

#### 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.
2. Each renewable resource project (and associated transmission) included in this adjustment schedule must be separately identified and be a new resource defined as "renewable" in the OREA.
3. The costs for projects included under this schedule will be updated annually as provided above, and will continue to be recovered under Schedule 122 until such time as the costs are included in base rates or the project is no longer in service.
4. The in-service date for the new renewable or energy storage resource project or each separately identifiable project segment will be verified by an attestation from the Company stating that the specific renewable or energy storage resource project, or project segment, has met requirements for being commercially operational and is in service.

(C)

(C)

**SCHEDULE 122 (Concluded)**

SPECIAL CONDITIONS (Continued)

5. If the actual costs of an eligible resource cannot be verified by the final round of testimony in the proceeding reviewing the April 1 filing, the Company will include in its December 1 compliance filing an update to reflect then-current actual resource costs, or forecasted costs where appropriate. If the updated costs are lower than the projected costs in the record of the proceeding, the update will contain sufficient information to support a reduction in the proposed adjustment charges before the January 1 effective date. If updated costs are higher than the projected costs in the record or if actual costs cannot be verified until after December 1, the Company may file for deferred accounting under the OREA to allow an opportunity for recovery of the cost differences between the projected costs in the record and the prudently incurred actual costs. For purposes of Schedule 126 (Annual Power Cost Variance Mechanism), actual NVPC will be adjusted to remove the impact of any power produced by a new renewable or energy storage resource qualifying for treatment under this schedule but not otherwise included in rates. The following adjustments will be made: (C)
- a) Actual NVPC will be increased by the value of any renewable or energy storage resource energy. The value of such energy will be determined by employing the forward curves used to set rates for the year under the Annual Power Cost Update. Actual NVPC will be reduced by applicable fuel costs and supply integration costs for the resource. (C)
  - b) Actual NVPC will also be increased or decreased as appropriate for any other credits or charges specifically identifiable with the new renewable or energy storage resource. (C)  
(C)
6. For Schedule 122 filings made on and after April 2009, the Commission may condition approval of a proposed change in Schedule 122 charges on PGE making a filing under ORS 757.210 within six months after the Commission order approving the proposed change. Through this filing, the Company will roll into the generation component of its rates all of the costs, or a portion thereof identified by the Commission, that are being collected through the then existing Schedule 122 charges. The Commission's order for conditional approval must be based upon: (1) a finding that the costs, or a portion thereof, specified by the Commission have been collected through Schedule 122 for a reasonable period of years, as determined by the Commission; or (2) for good cause, as determined by the Commission.

**SCHEDULE 123  
DECOUPLING ADJUSTMENT**

**PURPOSE**

This Schedule establishes balancing accounts and rate adjustment mechanisms to track and mitigate a portion of the transmission, distribution and fixed generation revenue variations caused by variations in applicable Customer Energy usage.

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To all Residential and Nonresidential Customers located within the Company's service territory except those Nonresidential Customers whose load exceeded one aMW at a Point of Delivery during the prior calendar year or those Nonresidential Customers qualifying as a Self-Directing Customer. Customers so exempted will not be charged the prices contained in this schedule.

**DEFINITIONS**

For the purposes of this tariff, the following definition will apply:

**Energy Efficiency Measures (EEMs)** – Actions that enable customers to reduce energy use. EEMs can be behavioral or equipment-related.

**Self-Directing Customer (SDC)** - Pursuant to OAR 860-038-0480, to qualify to be a SDC, the Large Nonresidential Customer must have a load that exceeds one aMW at a Site as defined in Rule B and receive certification from the Oregon Department of Energy as an SDC.

**SALES NORMALIZATION ADJUSTMENT (SNA)**

The SNA reconciles on a monthly basis, differences between:

- a) the monthly revenues resulting from applying distribution, transmission and fixed generation charges (Fixed Charge Energy Rate) to weather-normalized kWh Energy sales; and
- b) the Fixed Charge Revenues that would be collected by applying the Monthly Fixed Charge per Customer to the numbers of active Customers for each applicable SNA rate schedule, respectively, for each month. For Schedule 7, a Secondary Fixed Charge equal to 69% of the Monthly Fixed Charge will be used to calculate Fixed Charge Revenues for actual customer counts that exceed the projected customer counts used to establish base rates in a general rate review.

(C)  
|  
(C)

**SCHEDULE 123 (Continued)**

**SALES NORMALIZATION ADJUSTMENT (SNA) (Continued)**

The SNA will calculate monthly as the Fixed Charge Revenue less actual revenues and will accrue to the SNA Balancing Account. The monthly amount accrued may be positive (an under-collection) or negative (an over-collection). The SNA is divided into sub-accounts so that net accruals for each rate schedule will track separately.

(C)  
|  
(C)

The SNA is applicable to the following rate schedules:

(N)

<u>Schedule</u>	<u>Fixed Charge Energy Rate</u> (¢ per kWh)	<u>Monthly Fixed Charge</u>	<u>Monthly Secondary Fixed Charge</u>
7	8.870	\$71.45	\$49.30
32	7.693	\$111.66	
83*	3.790	\$790.34	

\*Applicable beginning in 2019. The Fixed Charge Energy Rate for Schedule 83 includes fixed generation charges only.

(N)

**NONRESIDENTIAL LOST REVENUE RECOVERY ADJUSTMENT (LRR)**

The Nonresidential Lost Revenue Recovery Adjustment is applicable to all customers except those served under Schedules 7, 32, 83 (starting in 2019), and 532 or as otherwise exempted above. Nonresidential Lost Revenue Recovery amounts will be equal to the reduction in distribution, transmission, and fixed generation revenues due to the reduction in kWh sales as reported to the Company by the Energy Trust of Oregon, resulting from EEMs implemented during prior calendar years attributable to EEM funding incremental to Schedule 108, adjusted for EEM program kWh savings incorporated into the test year load forecast used to determine base rates. Also included are differences in actual energy savings from a test year forecast associated with the conversion to LED streetlighting in Schedule 95 reported by the Company. When base rates are adjusted in the future as a result of a general rate review, the test year load forecast used to determine new base rates will reflect all energy efficiency kWh savings that have been previously achieved. The cumulative kWh savings are eligible for Lost Revenue Recovery until new base rates are established as a result of a general rate review; the kWh base is then reset to equal the amount of kWh savings that accrue from EEMs following an adjustment in base rates.

(C)

The Lost Revenue Recovery Adjustment may be positive or negative. A negative Lost Revenue Recovery Adjustment for a given test year will occur if kWh savings reported by the Energy Trust of Oregon, plus the energy savings associated with the conversion to LED streetlighting in Schedule 95, are less than those estimated in setting base rates. A positive Lost Revenue Recovery Adjustment for a given test year will occur if kWh savings reported by the Energy Trust of Oregon, plus the energy savings associated with the conversion to LED streetlighting in Schedule 95, are greater than those estimated for the test year in setting base rates. The LRR for each year subsequent to the test year will incorporate incremental kWh savings reported by the Energy Trust of Oregon for that year.

(M)

**SCHEDULE 123 (Continued)**

NONRESIDENTIAL LOST REVENUE RECOVERY ADJUSTMENT (LRRRA) (Continued)

(T)

For the purposes of this Schedule, the Lost Revenue Recovery Adjustment is the product of: (1) the reduction in kWh sales resulting from ETO-reported EEMs plus the energy savings associated with the conversion to LED streetlighting in Schedule 95, and (2) the weighted average of applicable retail base rates (the Lost Revenue Rate). Applicable base rates for Nonresidential Customers are defined as the schedule-weighted average of transmission, distribution, and fixed generation charges; including those contained in Schedule 122 and other applicable schedules. System usage or distribution charges will be adjusted to include only the recovery of Trojan Decommissioning expenses and the Customer Impact Offset. Franchise fee recovery is not included in the Lost Revenue Rate. The applicable Lost Revenue Rate is 6.278 cents per kWh.

(M)

(M)

**SNA and LRRRA BALANCING ACCOUNTS**

The Company will maintain a separate balancing account for the SNA applicable rate schedules and for the Nonresidential LRRRA applicable rate schedules. Each balancing account will record over- and under-collections resulting from differences as determined, respectively, by the SNA and LRRRA mechanisms. The accounts will accrue interest at the Commission-authorized Modified Blended Treasury Rate established for deferred accounts.

(C)

(C)

**DECOUPLING ADJUSTMENT**

The Adjustment Rates, applicable for service on and after the effective date of this schedule will be:

<u>Schedule</u>	<u>Adjustment Rate</u>
7	0.200 ¢ per kWh
15	0.021 ¢ per kWh
32	(0.139) ¢ per kWh
38	0.021 ¢ per kWh
47	0.021 ¢ per kWh
49	0.021 ¢ per kWh
75	
Secondary	0.021 ¢ per kWh
Primary	0.021 ¢ per kWh
Subtransmission	0.021 ¢ per kWh
83	0.021 ¢ per kWh

(M)

**SCHEDULE 123 (Continued)**

DECOUPLING ADJUSTMENT (Continued)

<u>Schedule</u>	<u>Adjustment Rate</u>	(M)
85		
Secondary	0.021 ¢ per kWh	
Primary	0.021 ¢ per kWh	
89		
Secondary	0.021 ¢ per kWh	
Primary	0.021 ¢ per kWh	
Subtransmission	0.021 ¢ per kWh	
90	0.021 ¢ per kWh	(M)
91	0.021 ¢ per kWh	
92	0.021 ¢ per kWh	
95	0.021 ¢ per kWh	
485		
Secondary	0.004 ¢ per kWh	
Primary	0.004 ¢ per kWh	
489		
Secondary	0.004 ¢ per kWh	
Primary	0.004 ¢ per kWh	
Subtransmission	0.004 ¢ per kWh	
490	0.004 ¢ per kWh	
491	0.004 ¢ per kWh	
492	0.004 ¢ per kWh	
495	0.004 ¢ per kWh	
515	0.021 ¢ per kWh	
532	(0.139) ¢ per kWh	
538	0.021 ¢ per kWh	
549	0.021 ¢ per kWh	
		(M)

**SCHEDULE 123 (Continued)**

DECOUPLING ADJUSTMENT (Continued)

<u>Schedule</u>	<u>Adjustment Rate</u>
575	
Secondary	0.021 ¢ per kWh
Primary	0.021 ¢ per kWh
Subtransmission	0.021 ¢ per kWh
583	0.021 ¢ per kWh
585	
Secondary	0.021 ¢ per kWh
Primary	0.021 ¢ per kWh
589	
Secondary	0.021 ¢ per kWh
Primary	0.021 ¢ per kWh
Subtransmission	0.021 ¢ per kWh
590	0.021 ¢ per kWh
591	0.021 ¢ per kWh
592	0.021 ¢ per kWh
595	0.021 ¢ per kWh

(M)

(M)

**TIME AND MANNER OF FILING**

Commencing in 2014, the Company will submit to the Commission the following information by November 1 of each year:

1. The proposed price changes to this Schedule to be effective on January 1st of the subsequent year based on a) the amounts in the SNA Balancing Accounts and b) the amount in the LRRR Balancing Account.
2. Revisions to this Schedule which reflect the new proposed prices and supporting work papers detailing the calculation of the new proposed prices and the SNA weather-normalizing adjustments.



**SCHEDULE 123 (Concluded)**

**SPECIAL CONDITIONS**

1. The Fixed Charge Energy Rate, Monthly Fixed Charge per Customer and the Lost Revenue Rate will be updated concurrently with a change in the applicable base revenues used to determine the rates.
2. Weather-normalized energy usage by applicable rate schedule will be determined in a manner equivalent to that used for determining the forecasted loads used to establish base rates.
3. No revision to any SNA or LRRRA Adjustment Rate will result in an estimated average annual rate increase greater than 2% to the applicable SNA or LRRRA rate schedule, based on the net rates in effect on the effective date of the Schedule 123 rate revisions. Rate revisions resulting in a rate decrease are not subject to the 2% limit.
4. The LRRRA prices for Customers served under the provisions of Schedules 485, 489, 490, 491, 492, and 495 will be calculated to apply to distribution services only.
5. The SNA and LRRRA mechanisms will terminate on December 31, 2022 if not extended by the Commission. (C)

**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. (R)

**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 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) 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, 3) new market power and fuel contracts entered into since the previous updates, and 4) the final planned maintenance outages and load forecast from the October 1<sup>st</sup> filing.

**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 126  
ANNUAL POWER COST VARIANCE MECHANISM**

**PURPOSE**

To recognize in rates part of the difference for a given year between Actual Net Variable Power Costs and the Net Variable Power Costs forecast pursuant to Schedule 125, Annual Power Cost Update and in accordance with Commission Order No. 07-015. This schedule is an "automatic adjustment clause" as defined in ORS 757.210.

**APPLICABLE**

To all Customers for Electricity Service except those who were served on Schedule 76R and 576R, 485, 489, 490, 491, 492, 495, 515, 532, 538, 549, 583, 585, 589, 591, 592 and 595, or served under Schedules 83, 85, 89 or 90 Daily Price Option for the entire calendar year that the Annual Power Cost Variance accrued. Customers served on Schedules 538, 583, 585, 589, 590, 591, 592 and 595 who received the Schedule 128 Balance of Year Transition Adjustment will be subject to this adjustment.

**ANNUAL POWER COST VARIANCE**

Subject to the Earnings Test, the Annual Power Cost Variance (PCV) is 90% of the amount that the Annual Variance exceeds either the Positive Annual Power Cost Deadband for a Positive Annual Variance or the Negative Annual Power Cost Deadband for a Negative Annual Variance.

**POWER COST VARIANCE ACCOUNT**

The Company will maintain a PCV Account to record Annual Variance amounts. The Account will contain the difference between the Adjustment Amount and amounts credited to or collected from Customers. This account will accrue interest at the Commission-authorized rate for deferred accounts. At the end of each year the Adjustment Amount for the calendar year will be adjusted by 50% of the annual interest calculated at the Commission-authorized rate. This amount will be added to the Adjustment Account.

Any balance in the PCV Account will be amortized to rates over a period determined by the Commission. Annually, the Company will propose to the Commission PCV Adjustment Rates that will amortize the PCV to rates over a period recommended by the Company. The amount accruing to Customers, whether positive or negative, will be multiplied by a revenue sensitive factor of 1.0320 to account for franchise fees, uncollectibles, and OPUC fees.

(R)

**EARNINGS TEST**

The recovery from or refund to Customers of any Adjustment Amount will be subject to an earnings review for the year that the power costs were incurred. The Company will recover the Adjustment Amount to the extent that such recovery will not cause the Company's Actual Return on Equity (ROE) for the year to exceed its Authorized ROE minus 100 basis points. The Company will refund the Adjustment Amount to the extent that such refunding will not cause the Company's Actual Return on Equity (ROE) for the year to fall below its Authorized ROE plus 100 basis points.

### Schedule 126 (Continued)

#### DEFINITIONS (Continued)

##### Net Variable Power Costs (NVPC)

The Net Variable Power Costs (NVPC) represents 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. For purposes of calculating the NVPC, the following adjustments will be made:

- Exclude BPA payments in lieu of Subscription Power.
- Exclude the monthly FASB 133 mark-to-market activity.
- Exclude any cost or revenue unrelated to the period.
- Include as a cost all losses that the Company incurs, or is reasonably expected to incur, as a result of any non-retail Customer failing to pay the Company for the sale of power during the deferral period.
- Include fuel costs and revenues associated with steam sales from the Coyote Springs I Plant.
- Include gas resale revenues.
- Include Energy Charge revenues from Schedules 76R, 38, 83, 85, 89, 90, and 91 Energy pricing options other than Cost of Service and the Energy Charge revenues from the Market Based Pricing Option from Schedules 485, 489, 490, 491, 492, and 495 as an offset to NVPC.
- NVPC shall be adjusted as needed to comply with Order 07-015 that states that ancillary services, the revenues from sales as well as the costs from the services, should also be taken into account in the mechanism.
- Actual NVPC will be increased to include the value of the energy associated with those Customers that received the Schedule 128 Balance of Year Transition Adjustment for the period during the year that the Customers received the Schedule 128 adjustment.
- Include reciprocating engine lubrication oil expenses.
- Include actual State and Federal Production Tax Credits.

##### **ADJUSTMENT AMOUNT**

The amount accruing to the Power Cost Variance Account, whether positive or negative will be multiplied by a revenue sensitive factor of 1.0320 to account for franchise fees, uncollectables, and OPUC fees.

(R)

The Power Cost Adjustment Rate shall be set at level such that the projected amortization for 12 month period beginning with the implementation of the rate is no greater than six percent (6%) of annual Company retail revenues for the preceding calendar year.

##### **TIME AND MANNER OF FILING**

As a minimum, on July 1<sup>st</sup> of the following year (or the next business day if the 1<sup>st</sup> is a weekend or holiday), the Company will file with the Commission recommended adjustment rates for the next calendar year.

**SCHEDULE 128  
SHORT-TERM TRANSITION ADJUSTMENT**

**PURPOSE**

The purpose of this Schedule is to calculate the Short-Term Transition Adjustment to reflect the results of the ongoing valuation under OAR 860-038-0140.

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To all Nonresidential Customers served who receive service at Daily pricing (other than Cost of Service) on Schedules 32, 38, 75, 83, 85, 89, 90, 91 or 95 or Direct Access service on Schedules 515, 532, 538, 549, 575, 583, 585, 589, 590, 591, 592 and 595. This Schedule is not applicable to Customers served on Schedules 485, 489, 490, 491, 492 and 495.

**SHORT-TERM TRANSITION ADJUSTMENT**

The Short-Term Transition Adjustment will reflect the difference between the Energy Charge(s) under the Cost of Service Option including Schedule 125 and the market price of power for the period of the adjustment applied to the load shape of the applicable schedule.

**ANNUAL SHORT-TERM TRANSITION ADJUSTMENT RATE**

For Customers who have made a service election other than Cost of Service in 2018, the Annual Short-Term Transition Adjustment Rate will be applied to their bills for service effective on and after January 1, 2019:

Schedule		Annual ¢ per kWh <sup>(1)</sup>
32		2.416
38		1.863
75	Secondary	1.884 <sup>(2)</sup>
	Primary	1.849 <sup>(2)</sup>
	Subtransmission	1.862 <sup>(2)</sup>
83		2.373
85	Secondary	2.246
	Primary	2.164

(1)  
|  
(1)

(1) Not applicable to Customers served on Cost of Service.  
(2) Applicable only to the Baseline and Scheduled Maintenance Energy.

**SCHEDULE 128 (Continued)**

ANNUAL SHORT-TERM TRANSITION ADJUSTMENT RATE (Continued)

Schedule		Annual ¢ per kWh <sup>(1)</sup>	(I)
89	Secondary	1.884	(I)
	Primary	1.849	
	Subtransmission	1.862	
90		1.657	
91		1.920	
95		1.920	
515		1.920	
532		2.416	
538		1.863	
549		3.193	
575	Secondary	1.884 <sup>(2)</sup>	
	Primary	1.849 <sup>(2)</sup>	
	Subtransmission	1.862 <sup>(2)</sup>	
583		2.373	
585	Secondary	2.246	
	Primary	2.164	
589	Secondary	1.884	
	Primary	1.849	
	Subtransmission	1.862	
590		1.657	
591		1.920	
592		1.781	
595		1.920	(I)

(1) Not applicable to Customers served on Cost of Service.

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

**ANNUAL SHORT-TERM TRANSITION ADJUSTMENT REVISIONS**

The Annual Short-Term Transition Adjustment rate will be filed on November 15<sup>th</sup> (or the next business day if the 15<sup>th</sup> is a weekend or holiday) to be effective for service on and after January 1<sup>st</sup> of the next year. Indicative, non-binding estimates for the Annual Short-Term Transition Adjustment and Cost-of-Service Energy Prices will be posted by the Company by September 1 and then again one week prior to the filing date. These prices will be for informational purposes only and are not to be considered the adjustment rates.

**SCHEDULE 129 (Continued)**

TRANSITION COST ADJUSTMENT (Continued)  
Minimum Five Year Opt-Out

Commencing with enrollment Period M, the Schedule 129 Transition Cost Adjustment will be updated to reflect OPUC-approved changes in fixed generation costs during the five-year period.

For Enrollment Period M (2014), the current Transition Cost Adjustments are:

Period	Sch. 485 Sec. Vol. ¢ per kWh	Sch. 485 Pri. Vol. ¢ per kWh	Sch. 489 Sec. Vol. ¢ per kWh	Sch. 489 Pri. Vol. ¢ per kWh	Sch. 489 Sub. Vol. ¢ per kWh	Sch. 490 Pri. Vol. ¢ per kWh	Schs. 491/492/495 ¢ per kWh
2015	1.712	1.704	1.443	1.415	1.383	1.381	1.311
2016	2.172	2.151	1.890	1.854	1.824	1.798	1.789
2017	2.196	2.174	1.913	1.876	1.846	1.820	1.811
2018	2.347	2.326	2.008	1.969	1.929	1.911	1.851
2019	2.172	2.153	1.752	1.719	1.691	1.686	1.635
After 2019	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(R)

For Enrollment Period N (2015), the current Transition Cost Adjustments are:

Period	Sch. 485 Sec. Vol. ¢ per kWh	Sch. 485 Pri. Vol. ¢ per kWh	Sch. 489 Sec. Vol. ¢ per kWh	Sch. 489 Pri. Vol. ¢ per kWh	Sch. 489 Sub. Vol. ¢ per kWh	Sch. 490 Pri. Vol. ¢ per kWh	Schs. 491/492/495 ¢ per kWh
2016	2.866	2.832	2.695	2.647	2.590	2.295	2.455
2017	2.890	2.855	2.718	2.669	2.612	2.317	2.477
2018	3.041	3.007	2.813	2.762	2.695	2.408	2.517
2019	2.866	2.834	2.557	2.605	2.457	2.183	2.301
2020	2.866	2.834	2.557	2.605	2.457	2.183	2.301
After 2020	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(R)

(R)

**SCHEDULE 129 (Continued)**

TRANSITION COST ADJUSTMENT (Continued)  
Minimum Five Year Opt-Out

For Enrollment Period O (2016), the current Transition Cost Adjustments are:

Period	Sch. 485 Sec. Vol. ¢ per kWh	Sch. 485 Pri. Vol. ¢ per kWh	Sch. 489 Sec. Vol. ¢ per kWh	Sch. 489 Pri. Vol. ¢ per kWh	Sch. 489 Sub. Vol. ¢ per kWh	Sch. 490 Pri. Vol. ¢ per kWh	Schs. 491/492/495 ¢ per kWh
2017	3.015	2.963	2.854	2.803	2.739	2.431	2.586
2018	3.113	3.063	2.899	2.847	2.774	2.473	2.578
2019	2.846	2.800	2.652	2.605	2.535	2.254	2.319
2020	2.846	2.800	2.652	2.605	2.535	2.254	2.319
2021	2.846	2.800	2.652	2.605	2.535	2.254	2.319
After 2021	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(R)  
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(R)

For Enrollment Period P (2017), the current Transition Cost Adjustments are:

Period	Sch. 485 Sec. Vol. ¢ per kWh	Sch. 485 Pri. Vol. ¢ per kWh	Sch. 489 Sec. Vol. ¢ per kWh	Sch. 489 Pri. Vol. ¢ per kWh	Sch. 489 Sub. Vol. ¢ per kWh	Sch. 490 Pri. Vol. ¢ per kWh	Schs. 491/492/495 ¢ per kWh
2018	3.339	3.294	3.007	2.953	2.892	2.732	2.805
2019	3.072	3.031	2.760	2.711	2.653	2.513	2.546
2020	3.072	3.031	2.760	2.711	2.653	2.513	2.546
2021	3.072	3.031	2.760	2.711	2.653	2.513	2.546
2022	3.072	3.031	2.760	2.711	2.653	2.513	2.546
After 2022	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(R)  
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(R)



**SCHEDULE 129 (Continued)**

TRANSITION COST ADJUSTMENT (Continued)  
Minimum Five Year Opt-Out

For Enrollment Period Q (2018), the current Transition Cost Adjustments are:

Period	Sch. 485 Sec. Vol. ¢ per kWh	Sch. 485 Pri. Vol. ¢ per kWh	Sch. 489 Sec. Vol. ¢ per kWh	Sch. 489 Pri. Vol. ¢ per kWh	Sch. 489 Sub. Vol. ¢ per kWh	Sch. 490 Pri. Vol. ¢ per kWh	Schs. 491/492/495 ¢ per kWh	(R)
2019	2.972	2.958	2.625	2.576	2.493	2.540	2.511	
2020	2.972	2.958	2.625	2.576	2.493	2.540	2.511	
2021	2.972	2.958	2.625	2.576	2.493	2.540	2.511	
2022	2.972	2.958	2.625	2.576	2.493	2.540	2.511	
2023	2.972	2.958	2.625	2.576	2.493	2.540	2.511	
After 2023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(R)

**SCHEDULE 129 (Concluded)**

SPECIAL CONDITIONS (Continued)

2. Annually, changes in fixed generation revenues resulting from either return to or departure from Cost of Service pricing by Schedules 485, 489, 490, 491, 492, and 495 customers relative to the Company's most recent general rate case will be incorporated into the System Usage Charges or Distribution Charges of all rate schedules. Such adjustment to the System Usage or Distribution Charges will be made at the time the Company files final rates for Schedule 125, and will be effective on January 1<sup>st</sup> of the following calendar year. The adjustment to the System Usage or Distribution Charges resulting from changes in fixed generation revenues shall not result in an overall rate increase or decrease of more than 2 percent except as noted below. For those Enrollment Periods in which the first-year Schedule 129 Transition Adjustments are expected to be positive charges to participants, the projected first-year revenues from Schedule 129 will be netted against the changes in fixed generation costs for purposes of calculating the proposed overall rate increase or decrease. Should the rate increase or decrease exceed 2 percent, the amounts exceeding 2 percent will be deferred for future recovery through a balancing account. This balancing account will be considered an "Automatic Adjustment Clause" as defined in ORS 757.210. For purposes of calculating the percent change in rates, Schedule 125 prices with and without the increased/decreased participating load will be determined.
3. In determining changes in fixed generation revenues from movement to or from Schedules 485, 489, 490, 491, 492, and 495, the following factors will be used:

Schedule		¢ per kWh	
85	Secondary	3.640	(R)   (R)
	Primary	3.575	
89	Secondary	3.397	
	Primary	3.334	
	Subtransmission	3.289	
90		3.318	
91		3.183	
92		3.183	
95		3.183	

**TERM**

The term of applicability under this schedule will correspond to a Customer's term of service under Schedules 485, 489, 490, 491, 492 or 495.

**SCHEDULE 300**  
**CHARGES AS DEFINED BY THE RULES AND REGULATIONS**  
**AND MISCELLANEOUS CHARGES**

**PURPOSE**

The purpose of this schedule is to list the charges referred to in the General Rules and Regulations.

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

For all Customers utilizing the services of the Company as defined and described in the General Rules and Regulations.

**INTEREST ACCRUED ON DEPOSITS (See Rules E and K)**

2.5% per annum.

**BILLING RATES (Rules E, F, H and J)**

Trouble call, cause in Customer-owned equipment

Scheduled Crew Hours <sup>(1)</sup>	No charge	
Other than Scheduled Crew Hours <sup>(1)</sup>	\$170.00	
Returned Payment Charge	\$ 25.00	
Special Meter Reading Charge (non-network)	\$ 17.00	(R)
Meter Test Charge	\$ 75.00	
Late Payment Charge (monthly)	2.0% of delinquent balance	
Field Visit Charge <sup>(2)</sup>	\$ 20.00	
Bill History Information Service Charge	\$ 32.00	
(Not applicable when a billing dispute is filed with the Commission - see Rule F)		
Portfolio Enrollment Charge	\$ 5.00	
Customer Interval Data (12 months) to Customers	\$100.00	
Customer Interval Data (12 months, formatted and analyzed)	Mutually agreed price	
Switching Fee	\$20.00	
Unauthorized Connection of Service / Tamper Fee	\$75.00	

(1) Scheduled Crew Hours - The Company's Scheduled Crew Hours for the above listed services are from 6:30 a.m. to 10:30 p.m., Monday through Friday, except for Company-recognized holidays. The Customer will be informed of and agree to the charges before Company personnel are dispatched.

(2) See Rule H, Section 2 for applicable conditions.

SCHEDULE 300 (Continued)

CREDIT RELATED DISCONNECTION AND RECONNECTION RATES (Rule H)

<u>Disconnects</u>		
Monday through Friday	No charge	
<u>Reconnection</u>		
<u>Standard Reconnection</u>		
At Meter Base	\$ 27.00	(R)
Other than Meter Base	\$ 75.00	
<u>After Hours Reconnection<sup>(1)</sup></u>		
At Meter Base	\$ 80.00	
Other than Meter Base	\$160.00	

CUSTOMER REQUESTED DISCONNECTION AND RECONNECTION RATES (Rule H)<sup>(2)(3)</sup>

<u>Disconnects</u>		
<u>Standard</u>		
At Meter Base	No charge	
Other than Meter Base	No charge	
<u>Reconnects</u>		
<u>Standard</u>		
Safety related	No charge	
Non-safety related		
At Meter Base	\$ 27.00	(R)
Other than Meter Base	\$ 75.00	(D)

- (1) PGE representatives will be dispatched to reconnect service until 7:00 p.m., Monday through Friday. As such, crews dispatch up to and including 7:00 p.m. may be reconnecting service after 7:00 p.m. State- and utility-recognized holidays are excluded from the after hours provision.
- (2) These rates apply when a standard service crew (a two-person crew) can complete the work in less than 30 minutes and the work can be scheduled at Company convenience. In other cases, the Customer will be charged the actual loaded cost for the disconnection and reconnection.
- (3) No charge for disconnects / reconnects completed to ensure safe working conditions that meet the guidelines in Rule H(4).

SCHEDULE 300 (Continued)

		(D)
<b>NON-NETWORK RESIDENTIAL METER RATES (Rule M)</b>		
Installation of non-network meter (one time charge)	\$80.00	(R) (M)
Non-network Meter Read	\$ 17.00 per month	(R)
<b>METER RELOCATION RATES (Rule M)</b>		
Single meter relocation	Estimated Actual Costs	
Single meter relocation with Pole	Estimated Actual Costs	
<b>MISCELLANEOUS EQUIPMENT RENTAL (Rule C)</b>		
Rental of transformers, single-phase to three-phase inverters, capacitors, and other related equipment	1-2/3% per month of current replacement cost at time of installation	
<b>TRANSFORMERS (Rule I Section 3)</b>		
<u>Submersible Transformers<sup>(1)</sup></u>		
Subdivision - eight dwelling units or more	\$ 250.00 per lot \$1,970.00 minimum	(C)(I) (I)
Mobile Home - eight spaces or more	\$ 250.00 per space \$1,970.00 minimum	(C)(I) (I)
Multi-Family Units - twenty units or more	\$ 100.00 per family unit \$1,970.00 minimum	(C)(I) (I)
<p>(1) For all other applications, which include but are not limited to network service areas and densely populated urban areas, that require submersible transformers, the charge will be the calculated difference in cost between submersible and pad-mount transformer installations including the costs of future maintenance.</p>		(M)

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<sup>(1)</sup>

Additional Request

Concentration Test Site-by-Site Basis<sup>(2)</sup>

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.

- 
- (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 300 (Continued)

LINE EXTENSIONS (Rule I)

(M)

Line Extension Allowance (Section 1)

Residential Service	\$1,623.00 / dwelling unit
Schedule 32	\$0.1473 / estimated annual kWh
Schedules 38 and 83	\$0.0780 / estimated annual kWh
Schedules 85 and 89 Secondary Voltage Service	\$0.0531 / estimated annual kWh
Schedules 85 and 89 Primary Voltage Service	\$0.0264 / estimated annual kWh
Schedules 15, 91 and 95 Outdoor Lighting	\$0.0850 / estimated annual kWh
Schedule 92 Traffic Signals	\$0.0531 / estimated annual kWh
Schedules 47 and 49	\$0.0336 / estimated annual kWh

Trenching or Boring (Section 2)

Trenching and backfilling associated with Service Installation except where General Rules and Regulations require actual cost.

In Residential Subdivisions:

Short-side service connection up to 30 feet	\$ 100.00
Otherwise:	
First 75 feet or less	\$ 219.00
Greater than 75 feet	\$ 3.80 /foot

Mainline trenching, boring and backfilling Estimated Actual Cost

Lighting Underground Service Areas<sup>(1)</sup>

Installation of conduit on a wood pole for lighting purposes \$ 75.00 per pole

Additional Services (Section 3)

(applies solely to Residential Subdivisions in Underground Service Areas)

Service Guarantee	\$ 100.00
Wasted Trip Charge	\$ 100.00
Service Locate Charge	\$ 30.00
Long-Side Service Connection	\$ 120.00

(1) Applies only to 1-inch conduit without brackets.

(M)

SCHEDULE 300 (Concluded)

**SERVICE OF LIMITED DURATION (Rule L)**

Standard Temporary Service

Service Connection Required:

No permanent Customer obtained	\$795.00
Permanent Customer obtained	
Overhead Service	\$490.00
Underground Service	\$450.00
Existing service	\$260.00

Enhanced Temporary Service

Fixed fee for 12-month period	\$430.00
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Temporary Area Lights

Estimated Actual Cost<sup>(3)</sup>

**PGE TRAINING**

Educational and Energy Efficiency (EE) training available to:

PGE Business Customer	No Charge <sup>(1)</sup>
Non-PGE Business Customer	Estimated Actual Cost <sup>(2)</sup>

- (1) Charges may be assessed for training courses registered through the states of Oregon and Washington for electrical licensees.
- (2) Based on the cost associated with instructor, facility, food, and materials per attendee.
- (3) Based on install, removal and energy for pole and luminaire. Energy will be calculated based on burning hours used for Option C Schedule 91, 95

(T)

(M)

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(N)



**SCHEDULE 310  
DEPOSITS FOR RESIDENTIAL SERVICE**

**PURPOSE**

The purpose of this schedule is to list the deposits for residential service referred to in Rule D of the General Rules and Regulations. PGE will calculate a deposit amount representative of one-sixth (1/6) of the customer's estimated average annual bill. In the event that calculation of one-sixth of the customer's estimated annual bill is not possible, PGE will assess a deposit amount in accordance with the estimates below, based on customer dwelling type.

(C)  
|  
(C)

<b>DEPOSIT AMOUNTS</b>	<u>Average Deposit</u>
Single-Family Dwellings	
All electric (electric heat, hot water, range, and lights)	\$228.00
Electric heat but not all electric	\$177.00
Electric hot water, range, and lights	\$159.00
Any other combination	\$132.00
Multiple-Family Dwellings	
All electric	\$129.00
Electric heat but not all electric	\$108.00
Electric hot water, range, and lights	\$108.00
Any other combination	\$72.00
Mobile Homes	
All electric	\$201.00
Any other combination	\$129.00
Houseboats	
All electric	\$120.00
Any other combination	\$90.00

(D)

**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	(I)
<u>Distribution Charges**</u>			
The sum of the following:			
per kW of Facility Capacity			
First 200 kW	\$3.17	\$3.10	(R)
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	(0.028) ¢	(0.029) ¢	(R)

\* 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	(I)
<u>Distribution Charges**</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	(R)
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly On-Peak Demand	\$2.61	\$2.53	\$1.27	(I)
<u>System Usage Charge</u>				
per kWh	(0.014) ¢	(0.015) ¢	(0.015) ¢	(R)

\* 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	(I)
<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	(I)
per kW of monthly On-Peak Demand	\$2.53	(R)
<u>System Usage Charge</u>		
per kWh	(0.077) ¢	(R)

\* 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

6.269 ¢ 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 491 (Continued)**

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

Labor Rates	Straight Time	Overtime <sup>(1)</sup>
	\$142.00 per hour	\$208.00 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  
High-Pressure Sodium (HPS) Only – Service Rates**

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			
				Option A	Option B	Option C	
Cobrahead Power Doors **	70	6,300	30	*	\$3.17	\$1.88	(I)
	100	9,500	43	*	3.98	2.70	
	150	16,000	62	*	5.18	3.89	
	200	22,000	79	*	6.27	4.95	
	250	29,000	102	*	7.69	6.39	
	400	50,000	163	*	11.56	10.22	
Cobrahead, Non-Power Door	70	6,300	30	\$6.74	3.39	1.88	
	100	9,500	43	7.56	4.21	2.70	
	150	16,000	62	8.87	5.42	3.89	
	200	22,000	79	10.69	6.53	4.95	
	250	29,000	102	12.01	7.95	6.39	
	400	50,000	163	15.91	11.79	10.22	
Flood	250	29,000	102	12.30	7.99	6.39	
	400	50,000	163	16.13	11.82	10.22	
Early American Post-Top	100	9,500	43	7.94	4.26	2.70	
Shoebox (Bronze color, flat Lens, or drop lens, multi-volt)	70	6,300	30	8.06	3.57	1.88	
	100	9,500	43	8.57	4.35	2.70	
	150	16,000	62	10.08	5.58	3.89	

\* Not offered.

\*\* Service is only available to customers with total power doors luminaires in excess of 2,500.

**SCHEDULE 491 (Continued)**

**RATES FOR STANDARD POLES**

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	Monthly Rates		
		<u>Option A</u>	<u>Option B</u>	
Fiberglass, Black, Bronze or Gray	20	\$4.83	\$0.15	(I)
Fiberglass, Black or Bronze	30	7.48	0.24	
Fiberglass, Gray	30	8.11	0.26	
Fiberglass, Smooth, Black or Bronze	18	5.08	0.16	
Fiberglass, Regular	18	4.24	0.13	
Black, Bronze, or Gray	35	7.56	0.24	
Wood, Standard	30 to 35	5.32	0.17	(I)
Wood, Standard	40 to 55	6.32	0.20	(R)

**RATES FOR CUSTOM LIGHTING**

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	Monthly Rates			
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>	
Special Acorn-Types							
HPS	100	9,500	43	\$11.20	\$4.65	\$2.70	(I)
HADCO Victorian, HPS	150	16,000	62	12.39	5.84	3.89	
	200	22,000	79	14.12	6.99	4.95	
	250	29,000	102	15.56	8.43	6.39	
HADCO Capitol Acorn, HPS	100	9,500	43	14.80	5.12	2.70	
	150	16,000	62	14.72	6.14	3.89	
	200	22,000	79	15.79	7.21	4.95	
	250	29,000	102	17.22	8.64	6.39	
Special Architectural Types							
HADCO Independence, HPS	100	9,500	43	11.35	4.66	2.70	
	150	16,000	62	12.54	5.85	3.89	
HADCO Techtra, HPS	100	9,500	43	19.70	5.76	2.70	
	150	16,000	62	20.67	6.92	3.89	
	250	29,000	102	23.00	9.40	6.39	
HADCO Westbrooke, HPS	70	6,300	30	12.93	4.16	*	
	100	9,500	43	13.33	4.92	2.70	(I)

\* Not offered.

**SCHEDULE 491 (Continued)**

RATES FOR CUSTOM LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			
				Option A	Option B	Option C	
HADCO Westbrooke, HPS	150	16,000	62	\$19.07	\$6.70	\$3.89	(I)
	200	22,000	79	15.76	7.20	4.95	
	250	29,000	102	17.77	8.71	6.39	
Special Types							
Flood, Metal Halide	350	30,000	139	14.64	10.46	8.71	
Flood, HPS	750	105,000	285	26.99	20.70	17.87	
Option C Only **							
Ornamental Acorn Twin	85	9,600	64	*	*	4.01	
Ornamental Acorn	55	2,800	21	*	*	1.32	
Ornamental Acorn Twin	55	5,600	42	*	*	2.63	
Composite, Twin	140	6,815	54	*	*	3.39	
	175	9,815	66	*	*	4.14	(I)

RATES FOR CUSTOM POLES

Type of Pole	Pole Length (feet)	Monthly Rates		
		Option A	Option B	
Aluminum, Regular	25	\$10.73	\$0.34	(I)
	30	11.52	0.37	(I)
	35	12.80	0.41	(R)
Aluminum Davit	25	10.77	0.34	(I)
	30	11.34	0.36	
	35	12.49	0.40	
	40	16.42	0.52	
Aluminum Double Davit	30	15.47	0.49	
Aluminum, Fluted Ornamental	14	9.64	0.31	(I)

\* Not offered.

\*\* Rates are based on current kWh energy charges.



**SCHEDULE 491 (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, HADCO, Smooth Techtra Ornamental	18	\$19.96	\$0.63	(I)
Aluminum, Fluted Ornamental	16	10.39	0.33	
Aluminum, HADCO, Fluted Westbrooke	18	19.32	0.61	
Aluminum, HADCO, Smooth Westbrooke	18	19.91	0.63	
Fiberglass, Fluted Ornamental Black	14	11.18	0.35	
Fiberglass, Anchor Base, Gray or Black	35	13.12	0.42	(I)

**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>	<u>Option C</u>	
Cobrahead, Metal Halide	150	10,000	60	\$9.15	\$5.55	\$3.76	(I)
Cobrahead, Mercury Vapor	100	4,000	39	*	*	2.44	
	175	7,000	66	8.96	5.61	4.14	
	250	10,000	94	*	*	5.89	
	400	21,000	147	14.97	10.81	9.22	
	1,000	55,000	374	29.43	25.31	23.45	
Holophane Mongoose, HPS	150	16,000	62	12.78	5.89	3.89	
	250	29,000	102	14.73	8.32	*	(I)

\* Not offered.

**SCHEDULE 491 (Continued)**

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$7.71	*	*
Mercury Vapor	175	7,000	66	9.93	\$5.71	\$4.14
Special box, Anodized Aluminum						
Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	3.76
	70	6,300	30	*	*	1.88
	100	9,500	43	*	4.60	2.70
	150	16,000	62	*	5.81	3.89
	250	29,000	102	*	*	6.39
	400	50,000	163	*	*	10.22
Metal Halide	250	20,500	99	*	7.46	6.21
	400	40,000	156	*	11.03	*
Cobrahead, Metal Halide	175	12,000	71	*	6.11	4.45
Flood, Metal Halide	400	40,000	156	15.89	11.59	9.78
Cobrahead, Dual Wattage HPS						
70/100 Watt Ballast	100	9,500	43	*	4.23	*
100/150 Watt Ballast	100	9,500	43	*	4.23	*
100/150 Watt Ballast	150	16,000	62	*	5.44	3.89
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	6.28	3.89
KIM Archetype, HPS	250	29,000	102	*	8.83	6.39
	400	50,000	163	*	12.35	10.22

\* Not offered

(I)

**SCHEDULE 491 (Continued)**

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

<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>	<u>Option C</u>
Special Acorn-Type, HPS	70	6,300	30	\$10.41	\$3.86	*
Special GardCo Bronze Alloy						
HPS	70	5,000	30	*	*	\$1.88
Mercury Vapor	175	7,000	66	*	*	4.14
Early American Post-Top, HPS						
Black	70	6,300	30	7.06	3.38	1.88
Rectangle Type	200	22,000	79	*	*	4.95
Incandescent	92	1,000	31	*	*	1.94
	182	2,500	62	*	*	3.89
Town and Country Post-Top						
Mercury Vapor	175	7,000	66	9.33	5.65	4.14
Flood, HPS	70	6,300	30	6.65	3.30	*
	100	9,500	43	7.45	4.22	2.70
	200	22,000	79	10.90	6.59	4.95
Cobrahead, HPS						
Power Door	310	37,000	124	13.75	9.69	7.77
Special Types Customer-Owned & Maintained						
Ornamental, HPS	100	9,500	43	*	*	2.70
Twin ornamental, HPS	Twin 100	9,500	86	*	*	5.39
Compact Fluorescent	28	N/A	12	*	*	0.75

\* Not offered.

(I)

(I)

**SCHEDULE 491 (Continued)**

**RATES FOR OBSOLETE LIGHTING POLES**

<u>Type of Pole</u>	<u>Poles Length (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum Post	30	\$6.52	*	(I)
Aluminum, Painted Ornamental	35	*	\$0.97	
Aluminum, Regular	16	6.52	0.21	
Bronze Alloy GardCo	12	*	0.19	
Concrete, Ornamental	35 or less	10.73	0.34	
Fiberglass, Direct Bury with Shroud	18	7.65	0.24	
Steel, Painted Regular **	25	10.73	0.34	
Steel, Painted Regular **	30	11.52	0.37	
Steel, Unpainted 6-foot Mast Arm **	30	*	0.36	
Steel, Unpainted 6-foot Davit Arm **	30	*	0.36	
Steel, Unpainted 8-foot Mast Arm **	35	*	0.40	
Steel, Unpainted 8-foot Davit Arm **	35	*	0.40	
Wood, Laminated without Mast Arm	20	4.83	0.15	
Wood, Laminated Street Light Only	20	4.83	*	
Wood, Curved Laminated	30	6.66	0.24	
Wood, Painted Underground	35	5.32	0.17	(I)

\* Not offered.

\*\* Maintenance does not include replacement of rusted steel poles.

**SERVICE RATES FOR ALTERNATIVE LIGHTING**

The purpose of this series of luminaires is to provide lighting utilizing the latest in technological advances in lighting equipment. The Company does not maintain an inventory of this equipment, and so delays with maintenance are likely. This equipment is more subject to obsolescence since it is experimental and yet to be determined reliable or cost effective. The Company will order and replace the equipment subject to availability.

<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>	<u>Option C</u>	
Special Architectural Types Including Philips QL Induction Lamp Systems							
HADCO Victorian, QL	85	6,000	32	*	\$2.71	\$2.01	(I)
	165	12,000	60	*	4.59	3.76	
	165	12,000	60	\$21.81	4.84	3.76	(I)

**Advice No. 18-26**

**Issued December 18, 2018**

**James F. Lobdell, Senior Vice President**

**Effective for service on and after January 1, 2019**

**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 MWa 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	2.789 ¢ 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 – Poles

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

**MONTHLY RATE**

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

Distribution Charge 6.269 ¢ 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 495 (Continued)**

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

Labor Rates <sup>(1)</sup>	Straight Time	Overtime
	\$142.00 per hour	\$208.00 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 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 Rate Option A</u>	
LED	37	2,530	13	\$3.67	(R)
LED	50	3,162	17	3.90	
LED	52	3,757	18	4.31	
LED	67	5,050	23	4.79	
LED	106	7,444	36	5.90	(R)
LED	134	14,200	46	10.06	(I)
LED	156	16,300	53	11.01	(R)
LED	176	18,300	60	12.34	(I)
LED	201	21,400	69	12.40	(I)

**SCHEDULE 495 (Continued)**

**RATES FOR DECORATIVE LIGHTING**

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

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Option A</u>	
Acorn LED	60	5,488	21	\$12.24	(I)
	70	4,332	24	13.35	(R)
HADCO Acorn LED	70	5,120	24	17.00	(R)
Westbrooke (Non-Flared) LED	36	3,369	12	15.38	(I)
	53	5,079	18	17.04	
	69	6,661	24	16.67	
	85	8,153	29	17.62	
	136	12,687	46	20.27	
	206	18,159	70	21.51	
Westbrooke (Flared) LED	36	3,369	12	15.74	
	53	5,079	18	17.59	
	69	6,661	24	18.12	
	85	8,153	29	19.16	(I)
	136	12,687	46	19.89	(R)
	206	18,159	70	22.79	(I)
Post-Top, American Revolution LED	45	3,395	15	7.85	
	72	4,409	25	7.97	(I)

**SPECIALTY SERVICES OFFERED**

Upon Customer request and subject to the Company's operating constraints, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

**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.



**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	\$ 8.89 <sup>(2)</sup>
	400	21,000	147	14.51 <sup>(2)</sup>
	1,000	55,000	374	28.97 <sup>(2)</sup>
HPS	70	6,300	30	6.67 <sup>(2)</sup>
	100	9,500	43	7.49
	150	16,000	62	8.79
	200	22,000	79	10.23
	250	29,000	102	11.55
	310	37,000	124	13.29 <sup>(2)</sup>
	400	50,000	163	15.45
Flood , HPS	100	9,500	43	7.38 <sup>(2)</sup>
	200	22,000	79	10.44 <sup>(2)</sup>
	250	29,000	102	11.84
	400	50,000	163	15.67
Shoebox, HPS (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	7.98
	100	9,500	43	8.49
	150	16,500	62	10.00

(R)  
|  
(R)

(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	\$ 10.74	(R)
HADCO Victorian, HPS	150	16,500	62	11.93	
	200	22,000	79	13.66	
	250	29,000	102	15.10	
Early American Post-Top, HPS, Black	100	9,500	43	7.86	
Special Types					
Cobrahead, Metal Halide	150	10,000	60	9.07	
Cobrahead, Metal Halide	175	12,000	71	9.84	
Flood, Metal Halide	350	30,000	139	14.18	
Flood, Metal Halide	400	40,000	156	15.43	
Flood, HPS	750	105,000	285	26.53	
HADCO Independence, HPS	100	9,500	43	10.89	
	150	16,000	62	12.08	
HADCO Capitol Acorn, HPS	100	9,500	43	14.34	
	150	16,000	62	14.26	
	200	22,000	79	15.33	
	250	29,000	102	16.76	
HADCO Techtra, HPS	100	9,500	43	19.24	
	150	16,000	62	20.21	
	250	29,000	102	22.54	
HADCO Westbrooke, HPS	70	6,300	30	12.47	
	100	9,500	43	12.87	
	150	16,000	62	18.61	
	200	22,000	79	15.30	
	250	29,000	102	17.31	
Holophane Mongoose, HPS	150	16,000	62	12.32	(R)

(1) See Schedule 100 for applicable adjustments.

**SCHEDULE 515 (Continued)**

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

Type of Light	Watts	Lumens	Monthly kWh	Monthly Rate <sup>(1)</sup> Per Luminaire	
Acorn					
LED	60	5,488	21	\$11.78	(R)
	70	4,332	24	12.89	
HADCO LED	70	5,120	24	16.54	
Cobrahead					
LED	37	2,530	13	4.02	
	50	3,162	17	4.25	
	52	3,757	18	4.67	
	67	5,050	23	5.02	
	106	7,444	36	6.13	(R)
	134	14,200	46	9.60	(I)
	156	16,300	53	10.55	(R)
	176	18,300	60	11.88	(I)
	201	21,400	69	11.94	
Westbrooke LED (Non-Flare)	36	3,369	12	14.92	
	53	5,079	18	16.58	
	69	6,661	24	16.21	(I)
	85	8,153	29	17.16	(R)
	136	12,687	46	19.82	
	206	18,159	70	21.05	(R)
Westbrooke LED (Flare)	36	3,369	12	15.28	(I)
	53	5,079	18	17.13	(R)
	69	6,661	24	17.66	(R)
	85	8,153	29	18.70	(I)
	136	12,687	46	19.43	(R)
	206	18,159	70	22.33	
CREE XSP LED	25	2,529	9	2.87	
	42	3,819	14	3.28	
	48	4,373	16	3.80	
	56	5,863	19	4.43	
	91	8,747	31	5.18	(R)
Post-Top, American Revolution					
LED	45	3,395	15	7.39	(I)
	72	4,409	25	7.52	(I)

(1) See Schedule 100 for applicable adjustments.

**SCHEDULE 515 (Continued)**

MONTHLY RATE (Continued)  
Rates for Area Light Poles<sup>(1)</sup>

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>	
Wood, Standard	35 or less	\$ 5.21	(I)
	40 to 55	6.21	(R)
Wood, Painted Underground	35 or less	5.21 <sup>(2)</sup>	(I)
Wood, Curved laminated	30 or less	6.56 <sup>(2)</sup>	
Aluminum, Regular	16	6.44	
	25	10.60	
	30	11.39	(I)
	35	12.68	(R)
Aluminum, Fluted Ornamental	14	9.56	(I)
Aluminum Davit	25	10.64	
	30	11.21	
	35	12.36	
	40	16.27	
Aluminum Double Davit	30	15.34	
Aluminum, Fluted Ornamental	16	10.31	
Aluminum, HADCO, Smooth Techtra Ornamental	18	19.83	
Aluminum, HADCO, Fluted Westbrooke	18	19.19	
Aluminum, HADCO, Smooth Westbrooke	18	19.79	
Concrete, Ameron Post-Top	25	17.92	
Fiberglass Fluted Ornamental; Black	14	11.08	
Fiberglass, Regular	Black	20	4.75
	Gray or Bronze	30	7.98
	Black, Gray, or Bronze	35	7.45
Fiberglass, Anchor Base, Gray or Black	35	13.01	
Fiberglass, Direct Bury with Shroud	18	7.52	(I)

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

(2) 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	4.077 ¢ per kWh
Over 5,000 kWh	1.332 ¢ per kWh

(I)  
|  
(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 voltage with a monthly Demand that does not exceed 200 kW more than once in the preceding 13 months; 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	(I)
<u>Distribution Charge</u>	6.898 ¢ per kWh	(R)

\* 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	(I)
Winter Months**		No Charge	
<u>Distribution Charge</u>			
First 50 kWh per kW of Demand		7.912 ¢ per kWh	(R)
Over 50 kWh per kW of Demand		5.912 ¢ per kWh	(R)

\* 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	(I)
<u>Distribution Charge</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	(R)
Over 4,000 kW	\$1.22	\$1.18	\$1.18	
per kW of monthly On-Peak Demand**	\$2.61	\$2.53	\$1.27	(R)(I)
<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	(0.014) ¢	(0.015) ¢	(0.015) ¢	(R)

\* 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 576R  
ECONOMIC REPLACEMENT POWER RIDER  
DIRECT ACCESS SERVICE**

**PURPOSE**

To provide Customers served on Schedule 575 with the option for delivery of Energy from the Customer's Electricity Service Supplier (ESS) to replace some, or all of the Customer's on-site generation when the Customer deems it is more economically beneficial than self generating.

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To Large Nonresidential Customers served on Schedule 575.

**CHARACTER OF SERVICE**

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

**MONTHLY RATE**

The following charges are in addition to applicable charges under Schedule 575:\*

	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Daily Economic Replacement Power (ERP)</u>				
<u>Demand Charge</u>				
per kW of Daily ERP Demand during On-Peak hours per day**	\$0.102	\$0.099	\$0.049	(R)
<u>Transaction Fee</u>				
per Energy Needs Forecast (ENF) submission or revision	\$50.00	\$50.00	\$50.00	

\* 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.

**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	(I)
Three Phase Service	\$45.00	(I)

Distribution Charges\*\*

The sum of the following:

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

System Usage Charge

per kWh	0.544 ¢	(I)
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\* 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	(I)
<u>Distribution Charges**</u>			
The sum of the following:			
per kW of Facility Capacity			
First 200 kW	\$3.17	\$3.10	(R)
Over 200 kW	\$1.97	\$1.90	(R)
per kW of monthly On-Peak Demand	\$2.61	\$2.53	(R)
<u>System Usage Charge</u>			
per kWh	(0.028) ¢	(0.029) ¢	(R)

\* 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	(I)
<u>Distribution Charges**</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.53	\$1.49	\$1.49	(R)
Over 4,000 kW	\$1.22	\$1.18	\$1.18	(R)
per kW of monthly on-peak Demand	\$2.61	\$2.53	\$1.27	(R)(I)
<u>System Usage Charge</u>				
per kWh	(0.014) ¢	(0.015) ¢	(0.015) ¢	(R)

\* 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	(I)
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 4,000 kW	\$1.61	(I)
Over 4,000 kW	\$1.30	(I)
per kW of monthly on-peak Demand	\$2.53	(R)
<u>System Usage Charge</u>		
per kWh	(0.077) ¢	(R)

\* 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>	6.269 ¢ 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 591 (Continued)**

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

Labor Rates	Straight Time \$142.00 per hour	Overtime <sup>(1)</sup> \$208.00 per hour
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(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  
High-Pressure Sodium (HPS) Only – Service Rates**

<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>	<u>Option C</u>	
Cobrahead Power Doors **	70	6,300	30	*	\$3.17	\$1.88	(I)
	100	9,500	43	*	3.98	2.70	
	150	16,000	62	*	5.18	3.89	
	200	22,000	79	*	6.27	4.95	
	250	29,000	102	*	7.69	6.39	
	400	50,000	163	*	11.56	10.22	
Cobrahead, Non-Power Door	70	6,300	30	\$6.74	3.39	1.88	
	100	9,500	43	7.56	4.21	2.70	
	150	16,000	62	8.87	5.42	3.89	
	200	22,000	79	10.69	6.53	4.95	
	250	29,000	102	12.01	7.95	6.39	
	400	50,000	163	15.91	11.79	10.22	
Flood	250	29,000	102	12.30	7.99	6.39	
	400	50,000	163	16.13	11.82	10.22	
Early American Post-Top	100	9,500	43	7.94	4.26	2.70	
Shoebox (Bronze color, flat Lens, or drop lens, multi-volt)	70	6,300	30	8.06	3.57	1.88	
	100	9,500	43	8.57	4.35	2.70	
	150	16,000	62	10.08	5.58	3.89	

\* Not offered.

\*\* Service is only available to customers with total power doors luminaires in excess of 2,500.

**SCHEDULE 591 (Continued)**

**RATES FOR STANDARD POLES**

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Fiberglass, Black, Bronze or Gray	20	\$4.83	\$0.15	(I)
Fiberglass, Black or Bronze	30	7.48	0.24	
Fiberglass, Gray	30	8.11	0.26	
Fiberglass, Smooth, Black or Bronze	18	5.08	0.16	
Fiberglass, Regular	18	4.24	0.13	
Black, Bronze, or Gray	35	7.56	0.24	
		5.32	0.17	(I)
Wood, Standard	30 to 35			
Wood, Standard	40 to 55	6.32	0.20	(R)

**RATES FOR CUSTOM LIGHTING**

<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>	<u>Option C</u>	
Special Acorn-Types							
HPS	100	9,500	43	\$11.20	\$4.65	\$2.70	(I)
HADCO Victorian, HPS	150	16,000	62	12.39	5.84	3.89	
	200	22,000	79	14.12	6.99	4.95	
	250	29,000	102	15.56	8.43	6.39	
HADCO Capitol Acorn, HPS	100	9,500	43	14.80	5.12	2.70	
	150	16,000	62	14.72	6.14	3.89	
	200	22,000	79	15.79	7.21	4.95	
	250	29,000	102	17.22	8.64	6.39	
Special Architectural Types							
HADCO Independence, HPS	100	9,500	43	11.35	4.66	2.70	
	150	16,000	62	12.54	5.85	3.89	
HADCO Techtra, HPS	100	9,500	43	19.70	5.76	2.70	
	150	16,000	62	20.67	6.92	3.89	
	250	29,000	102	23.00	9.40	6.39	
HADCO Westbrooke, HPS	70	6,300	30	12.93	4.16	*	
	100	9,500	43	13.33	4.92	2.70	(I)

\* Not offered.



**SCHEDULE 591 (Continued)**

RATES FOR CUSTOM LIGHTING (Continued)

<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>	<u>Option C</u>	
HADCO Westbrooke, HPS	150	16,000	62	\$19.07	\$6.70	\$3.89	(I)
	200	22,000	79	15.76	7.20	4.95	
	250	29,000	102	17.77	8.71	6.39	
Special Types							
Flood, Metal Halide	350	30,000	139	14.64	10.46	8.71	
Flood, HPS	750	105,000	285	26.99	20.70	17.87	
Option C Only **							
Ornamental Acorn Twin	85	9,600	64	*	*	4.01	
Ornamental Acorn	55	2,800	21	*	*	1.32	
Ornamental Acorn Twin	55	5,600	42	*	*	2.63	
Composite, Twin	140	6,815	54	*	*	3.39	
	175	9,815	66	*	*	4.14	(I)

RATES FOR CUSTOM POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum, Regular	25	\$10.73	\$0.34	(I)
	30	11.52	0.37	(I)
	35	12.80	0.41	(R)
Aluminum Davit	25	10.77	0.34	(I)
	30	11.34	0.36	
	35	12.49	0.40	
	40	16.42	0.52	
Aluminum Double Davit	30	15.47	0.49	
Aluminum, Fluted Ornamental	14	9.64	0.31	(I)

\* Not offered.

\*\* Rates are based on current kWh energy charges.

**SCHEDULE 591 (Continued)**

RATES FOR CUSTOM POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length</u> (feet)	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum, HADCO, Smooth Techtra Ornamental	18	\$19.96	\$0.63	(I)
Aluminum, Fluted Ornamental	16	10.39	0.33	
Aluminum, HADCO, Fluted Westbrooke	18	19.32	0.61	
Aluminum, HADCO, Smooth Westbrooke	18	19.91	0.63	
Fiberglass, Fluted Ornamental Black	14	11.18	0.35	
Fiberglass, Anchor Base, Gray or Black	35	13.12	0.42	(I)

**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>	<u>Option C</u>	
Cobrahead, Metal Halide	150	10,000	60	\$9.15	\$5.55	\$3.76	(I)
Cobrahead, Mercury Vapor	100	4,000	39	*	*	2.44	
	175	7,000	66	8.96	5.61	4.14	
	250	10,000	94	*	*	5.89	
	400	21,000	147	14.97	10.81	9.22	
	1,000	55,000	374	29.43	25.31	23.45	
Holophane Mongoose,	150	16,000	62	12.78	5.89	3.89	
HPS	250	29,000	102	14.73	8.32	*	(I)

\* Not offered.

**SCHEDULE 591 (Continued)**

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$7.71	*	*
Mercury Vapor	175	7,000	66	9.93	\$5.71	\$4.14
Special box, Anodized Aluminum						
Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	3.76
	70	6,300	30	*	*	1.88
	100	9,500	43	*	4.60	2.70
	150	16,000	62	*	5.81	3.89
	250	29,000	102	*	*	6.39
	400	50,000	163	*	*	10.22
Metal Halide	250	20,500	99	*	7.46	6.21
	400	40,000	156	*	11.03	*
Cobrahead, Metal Halide	175	12,000	71	*	6.11	4.45
Flood, Metal Halide	400	40,000	156	15.89	11.59	9.78
Cobrahead, Dual Wattage HPS						
70/100 Watt Ballast	100	9,500	43	*	4.23	*
100/150 Watt Ballast	100	9,500	43	*	4.23	*
100/150 Watt Ballast	150	16,000	62	*	5.44	3.89
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	6.28	3.89
KIM Archetype, HPS	250	29,000	102	*	8.83	6.39
	400	50,000	163	*	12.35	10.22

\* Not offered

(I)

**SCHEDULE 591 (Continued)**

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

<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>	<u>Option C</u>
Special Acorn-Type, HPS	70	6,300	30	\$10.41	\$3.86	*
Special GardCo Bronze Alloy						
HPS	70	5,000	30	*	*	\$1.88
Mercury Vapor	175	7,000	66	*	*	4.14
Early American Post-Top, HPS						
Black	70	6,300	30	7.06	3.38	1.88
Rectangle Type	200	22,000	79	*	*	4.95
Incandescent	92	1,000	31	*	*	1.94
	182	2,500	62	*	*	3.89
Town and Country Post-Top						
Mercury Vapor	175	7,000	66	9.33	5.65	4.14
Flood, HPS	70	6,300	30	6.65	3.30	*
	100	9,500	43	7.45	4.22	2.70
	200	22,000	79	10.90	6.59	4.95
Cobrahead, HPS						
Power Door	310	37,000	124	13.75	9.69	7.77
Special Types Customer-Owned & Maintained						
Ornamental, HPS	100	9,500	43	*	*	2.70
Twin ornamental, HPS	Twin 100	9,500	86	*	*	5.39
Compact Fluorescent	28	N/A	12	*	*	0.75

\* Not offered.

(I)

**SCHEDULE 591 (Continued)**

**RATES FOR OBSOLETE LIGHTING POLES**

<u>Type of Pole</u>	<u>Poles Length (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum Post	30	\$6.52	*	(I)
Aluminum, Painted Ornamental	35	*	\$0.97	
Aluminum, Regular	16	6.52	0.21	
Bronze Alloy GardCo	12	*	0.19	
Concrete, Ornamental	35 or less	10.73	0.34	
Fiberglass, Direct Bury with Shroud	18	7.65	0.24	
Steel, Painted Regular **	25	10.73	0.34	
Steel, Painted Regular **	30	11.52	0.37	
Steel, Unpainted 6-foot Mast Arm **	30	*	0.36	
Steel, Unpainted 6-foot Davit Arm **	30	*	0.36	
Steel, Unpainted 8-foot Mast Arm **	35	*	0.40	
Steel, Unpainted 8-foot Davit Arm **	35	*	0.40	
Wood, Laminated without Mast Arm	20	4.83	0.15	
Wood, Laminated Street Light Only	20	4.83	*	
Wood, Curved Laminated	30	6.66	0.24	
Wood, Painted Underground	35	5.32	0.17	(I)

\* Not offered.

\*\* Maintenance does not include replacement of rusted steel poles.

**SERVICE RATES FOR ALTERNATIVE LIGHTING**

The purpose of this series of luminaires is to provide lighting utilizing the latest in technological advances in lighting equipment. The Company does not maintain an inventory of this equipment, and so delays with maintenance are likely. This equipment is more subject to obsolescence since it is experimental and yet to be determined reliable or cost effective. The Company will order and replace the equipment subject to availability.

<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>	<u>Option C</u>	
Special Architectural Types Including Philips QL Induction Lamp Systems							
HADCO Victorian, QL	85	6,000	32	*	\$2.71	\$2.01	(I)
	165	12,000	60	*	4.59	3.76	
	165	12,000	60	\$21.81	4.84	3.76	(I)

**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

2.789 ¢ 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 – Poles

See Schedule 91/591 for Streetlight poles service options.

**MONTHLY RATE**

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

Distribution Charge 6.269 ¢ per kWh (I)

Energy Charge Provided by Electricity Service Supplier

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

Labor Rates	Straight Time	Overtime <sup>(1)</sup>
	\$142.00 per hour	\$208.00 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 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 Rate Option A</u>	
LED	37	2,530	13	\$3.67	(R)
LED	50	3,162	17	3.90	
LED	52	3,757	18	4.31	
LED	67	5,050	23	4.79	
LED	106	7,444	36	5.90	(R)
LED	134	14,200	46	10.06	(I)
LED	156	16,300	53	11.01	(R)
LED	176	18,300	60	12.34	(I)
LED	201	21,400	69	12.40	(I)

**SCHEDULE 595 (Continued)**

**RATES FOR DECORATIVE LIGHTING**

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

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Option A</u>	
Acorn LED	60	5,488	21	\$12.24	(I)
	70	4,332	24	13.35	(R)
HADCO Acorn LED	70	5,120	24	17.00	(R)
Westbrooke (Non-Flared) LED	36	3,369	12	15.38	(I)
	53	5,079	18	17.04	
	69	6,661	24	16.67	
	85	8,153	29	17.62	
	136	12,687	46	20.27	
	206	18,159	70	21.51	
Westbrooke (Flared) LED	36	3,369	12	15.74	
	53	5,079	18	17.59	
	69	6,661	24	18.12	
	85	8,153	29	19.16	(I)
	136	12,687	46	19.89	(R)
	206	18,159	70	22.79	(I)
Post-Top, American Revolution LED	45	3,395	15	7.85	(I)
	72	4,409	25	7.97	(I)

**SPECIALTY SERVICES OFFERED**

Upon Customer request and subject to the Company's operating constraints, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

**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 750**  
**INFORMATIONAL ONLY: FRANCHISE FEE RATE RECOVERY**

**PURPOSE**

To inform customers regarding the level of franchise fee rate recovery contained in each schedule's system usage or distribution charges.

**AVAILABLE**

In all territory served by the Company.

**APPLICABLE**

To all Residential and Nonresidential Customers located within the Company's service territory.

**FRANCHISE FEE RATE RECOVERY**

The Rates, included in the applicable system usage and distribution charges are:

<u>Schedule</u>	<u>Franchise Fee Rate</u>	<u>Included in:</u>	
7	0.322 ¢ per kWh	Distribution Charge	(I)
15	0.533 ¢ per kWh	Distribution Charge	(R)
32	0.293 ¢ per kWh	Distribution Charge	(I)
38	0.332 ¢ per kWh	Distribution Charge	(R)
47	0.510 ¢ per kWh	Distribution Charge	(I)
49	0.367 ¢ per kWh	Distribution Charge	(R)
75			
Secondary	0.163 ¢ per kWh	System Usage Charge	(R)
Primary	0.160 ¢ per kWh	System Usage Charge	(R)
Subtransmission	0.157 ¢ per kWh	System Usage Charge	(R)

**DO NOT BILL**

**SCHEDULE 750 (Continued)**

FRANCHISE FEE RATE RECOVERY (Continued)

The Rates, included in the applicable system usage and distribution charges are:

<u>Schedule</u>	<u>Franchise Fee Rate</u>	<u>Included in:</u>	
83	0.231 ¢ per kWh	System Usage Charge	(R)
85			
Secondary	0.194 ¢ per kWh	System Usage Charge	(R)
Primary	0.191 ¢ per kWh	System Usage Charge	(R)
89			
Secondary	0.163 ¢ per kWh	System Usage Charge	(R)
Primary	0.160 ¢ per kWh	System Usage Charge	(R)
Subtransmission	0.157 ¢ per kWh	System Usage Charge	(R)
90	0.145 ¢ per kWh	System Usage Charge	(R)
91	0.557 ¢ per kWh	Distribution Charge	(I)
92	0.208 ¢ per kWh	Distribution Charge	(R)
95	0.557 ¢ per kWh	Distribution Charge	(I)
485			
Secondary	0.069 ¢ per kWh	System Usage Charge	(R)
Primary	0.068 ¢ per kWh	System Usage Charge	(R)
489			
Secondary	0.046 ¢ per kWh	System Usage Charge	(R)
Primary	0.046 ¢ per kWh	System Usage Charge	
Subtransmission	0.046 ¢ per kWh	System Usage Charge	
490	0.014 ¢ per kWh	System Usage Charge	
491	0.427 ¢ per kWh	Distribution Charge	(I)
492	0.073 ¢ per kWh	Distribution Charge	(I)
495	0.427 ¢ per kWh	Distribution Charge	(I)

DO NOT BILL

**SCHEDULE 750 (Concluded)**

FRANCHISE FEE RATE RECOVERY (Concluded)

The Rates, included in the applicable system usage and distribution charges are:

<u>Schedule</u>	<u>Franchise Fee Rate</u>	<u>Included in:</u>	
515	0.403 ¢ per kWh	Distribution Charge	(R)
532	0.137 ¢ per kWh	Distribution Charge	(I)
538	0.189 ¢ per kWh	Distribution Charge	(R)
549	0.179 ¢ per kWh	Distribution Charge	(R)
575			
Secondary	0.046 ¢ per kWh	System Usage Charge	(R)
Primary	0.046 ¢ per kWh	System Usage Charge	
Subtransmission	0.046 ¢ per kWh	System Usage Charge	
583	0.075 ¢ per kWh	System Usage Charge	(I)
585			
Secondary	0.069 ¢ per kWh	System Usage Charge	(R)
Primary	0.068 ¢ per kWh	System Usage Charge	(R)
589			
Secondary	0.046 ¢ per kWh	System Usage Charge	(R)
Primary	0.046 ¢ per kWh	System Usage Charge	
Subtransmission	0.046 ¢ per kWh	System Usage Charge	
590	0.014 ¢ per kWh	System Usage Charge	
591	0.427 ¢ per kWh	Distribution Charge	(I)
592	0.073 ¢ per kWh	Distribution Charge	(I)
595	0.427 ¢ per kWh	Distribution Charge	(I)

DO NOT BILL

PGE Advice No. 18-26  
Exhibit A

**Portland General Electric Company**  
**2019 Revenue Requirement - Base Business**  
**(\$000)**

	At Current Rates (1)	Sept. Load Forecast Delta (2)	GRC Change for RROE (3)	Proposed 2018 (4)	Non-NVPC Adjustments (5)	NVPC Adjustments (6)	Total Results (7)
				Total Increase:		Rev Req 8,593	Percent 0.47%
1 Sales to Consumers	1,798,713	24,074	61,834	1,884,622	(38,955)	(14,286)	1,831,381
2 Sales for Resale	-			-	-	-	-
3 Other Revenues	25,327			25,327	-	-	25,327
4 Total Operating Revenues	1,824,041		61,834	1,909,949	(38,955)	(14,286)	1,856,708
5 Net Variable Power Costs	375,309			375,309	-	(13,781)	361,528
6 Production O&M (excludes Trojan)	165,665			165,665	(1,652)	-	164,013
7 Trojan O&M	115			115	-	-	115
8 Transmission O&M	15,798			15,798	-	-	15,798
9 Distribution O&M	136,180			136,180	(858)	-	135,321
10 Customer & MBC O&M	78,739			78,739	(2,400)	-	76,339
11 Uncollectibles Expense	6,171		295	6,466	(127)	(47)	5,977
12 OPUC Fees	5,776		276	6,052	(125)	(46)	5,881
13 A&G, Ins/Bene., & Gen. Plant	174,655			174,655	(16,049)	-	158,606
14 Total Operating & Maintenance	958,407		571	958,978	(21,211)	(13,874)	923,577
15 Depreciation	305,531			305,531	(2,962)	-	302,569
16 Amortization	66,965			66,965	(500)	-	66,465
17 Property Tax	71,578			71,578	-	-	71,578
18 Payroll Tax	16,637			16,637	-	-	16,637
19 Other Taxes	2,501			2,501	-	-	2,501
20 Franchise Fees	45,644		2,180	47,825	(989)	(363)	46,473
21 Utility Income Tax	62,226		22,571	84,797	(3,956)	(10)	80,543
22 Total Operating Expenses & Taxes	1,529,491		25,322	1,554,812	(29,618)	(14,246)	1,510,344
23 <b>Utility Operating Income</b>	294,550		60,586	355,137	(9,338)	(40)	346,364
				355,137			346,364
24 <b>Average Rate Base</b>							
25 Avg. Gross Plant	10,221,818			10,221,818	(76,321)	-	10,145,497
26 Avg. Accum. Deprec. / Amort	(4,761,822)			(4,761,822)	(19,352)	-	(4,781,174)
27 Avg. Accum. Def Tax	(679,665)			(679,665)	(6,146)	-	(685,811)
28 Avg. Accum. Def ITC	-			-	-	-	-
29 <b>Avg. Net Utility Plant</b>	4,780,331		-	4,780,331	(101,818)	-	4,678,513
30 Misc. Deferred Debits	9,294			9,294	-	-	9,294
31 Operating Materials & Fuel	78,945			78,945	-	-	78,945
32 Misc. Deferred Credits	(74,554)			(74,554)	(5,289)	-	(79,843)
33 Working Cash	62,143		1,029	63,172	(1,133)	(545)	57,801
34 <b>Average Rate Base</b>	4,856,160		1,029	4,857,189	(108,241)	(545)	4,744,710
35 <b>Rate of Return</b>	6.065%			7.312%		7.300%	7.300%
36 <b>Implied Return on Equity</b>	7.008%			9.500%		9.500%	9.500%

**Portland General Electric Company**  
**2019 Revenue Requirement - Base Business**  
**(\$000)**

	At Current Rates	Sept. Load Forecast Delta	GRC Change for RROE	Proposed 2018	Non-NVPC Adjustments	NVPC Adjustments	Total Results
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
					Rev Req		Percent
					Total Increase: 8,593		0.47%
37 Effective Cost of Debt	5.123%		5.123%	5.123%	5.100%	5.100%	5.100%
38 Effective Cost of Preferred	0.000%		0.000%	0.000%	0.000%	0.000%	0.000%
39 Debt Share of Cap Structure	50.000%		50.000%	50.000%	50.000%	50.000%	50.000%
40 Preferred Share of Cap Structure	0.000%		0.000%	0.000%	0.000%	0.000%	0.000%
41 Weighted Cost of Debt	2.562%		2.562%	2.562%	2.550%	2.550%	2.550%
42 Weighted Cost of Preferred	0.000%		0.000%	0.000%	0.000%	0.000%	0.000%
43 Equity Share of Cap Structure	50.000%		50.000%	50.000%	50.000%	50.000%	50.000%
44 State Tax Rate	7.786%		7.786%	7.786%	7.580%	7.580%	7.580%
45 Federal Tax Rate	21.000%		21.000%	21.000%	21.000%	21.000%	21.000%
46 Composite Tax Rate	27.151%		27.151%	27.151%	26.988%	26.988%	26.988%
47 Bad Debt Rate	0.343%		0.343%	0.343%	0.326%	0.326%	0.326%
48 Franchise Fee Rate	2.538%		2.538%	2.538%	2.538%	2.538%	2.538%
49 Working Cash Factor	4.063%		4.063%	4.063%	3.827%	3.827%	3.827%
50 Gross-Up Factor	1.373		1.373	1.373	1.370	1.370	1.370
51 ROE Target	9.500%		9.500%	9.500%	9.500%	9.500%	9.500%
52 Grossed-Up COC	9.082%		9.082%	9.082%	9.056%	9.056%	9.056%
53 OPUC Fee Rate	0.321%		0.321%	0.321%	0.321%	0.321%	0.321%
Utility Income Taxes							
54 Book Revenues	1,824,041		85,908	1,909,949	(38,955)	(14,286)	1,856,708
55 Book Expenses	1,467,265		2,751	1,470,015	(25,662)	(14,236)	1,429,801
56 Interest Deduction	124,394		26	124,420	(2,760)	(14)	120,990
57 Production Deduction	-		-	-	-	-	-
58 Permanent Ms	(22,619)		-	(22,619)	-	-	(22,619)
59 Deferred Ms	63,378		-	63,378	-	-	63,378
60 Taxable Income	191,623		83,131	274,755	(10,533)	(35)	265,158
61 Current State Tax	14,921		6,473	21,394	(798)	(3)	20,099
62 State Tax Credits	-		-	-	(10)	-	(10)
63 Net State Taxes	14,921		6,473	21,394	(808)	(3)	20,089
64 Federal Taxable Income	176,703		76,658	253,361	(9,725)	(33)	245,068
65 Current Federal Tax	37,108		16,098	53,206	(2,042)	(7)	51,464
66 Federal Tax Credits	-		-	-	-	-	-
67 Excess ADIT Reversal (ARAM)	(7,010)		-	(7,010)	(1,105)	-	(8,115)
68 Deferred Taxes	17,208		0	17,208	-	-	17,105
69 Total Income Tax Expense	62,226		22,571	84,797	(3,956)	(10)	80,543
70 Regulated Net Income	170,156		-	230,716	-	-	225,374