



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

February 15, 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. 18-02, Portland General Electric General Rate Revision UE 335

Portland General Electric (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.

In addition, PGE hereby submits for filing revised tariff sheets implementing a general rate revision. A list of the revised Tariff sheets is attached.

Enclosed are 20 copies of Direct Testimony, Exhibits and an Executive Summary, that conform to the requirements in OAR 860-022-0019 for a general rate revision. Three copies of the non-confidential portion of work papers are provided on the enclosed CDs showing the source and calculation of rates. Confidential work papers accompany our filing pursuant to Protective Order 18-047. By April 1st, we will file the remaining power cost updates.

The tariff changes are filed with an effective date of March 19, 2018, subject to suspension for investigation. We request that a prehearing conference be held expeditiously to establish a schedule that will allow a Commission Order by mid-December and revised prices effective January 1, 2019.

All Data Request Responses

PGE will upload and post to the OPUC site: <https://oregonPUC.huddle.com>, contemporaneous with this filing, the Standard Data Responses that have been completed. *As Intervenors are approved the OPUC will send an invitation to access the posted responses.*

PGE Advice No. 18-02
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Please direct your communications related to this filing to the following email address:
pge.opuc.filings@pgn.com

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Sincerely,

A handwritten signature in black ink that reads "Jay Tinker". The signature is written in a cursive, flowing style.

Jay Tinker
Director, Regulatory Policy & Affairs

Enclosures

cc: Service List – UE 319 (Electronic only)

Advice No. 18-02
Portland General Electric General Rate Revision
Revised Tariff Sheets filed February 15, 2018

Twelfth Revision of Sheet No. 7-1	Third Revision of Sheet No. 300-2
Tenth Revision of Sheet No. 15-1	Third Revision of Sheet No. 300-3
Eleventh Revision of Sheet No. 15-2	Fourth Revision of Sheet No. 300-4
Twelfth Revision of Sheet No. 15-3	Fifth Revision of Sheet No. 300-5
Thirteenth Revision of Sheet No. 15-4	Fifth Revision of Sheet No. 300-6
Eighth Revision of Sheet No. 15-5	First Revision of Sheet No. 310-1
Sixth Revision of Sheet No. 15-6	Ninth Revision of Sheet No. 485-1
Eleventh Revision of Sheet No. 32-1	Fourteenth Revision of Sheet No. 489-1
Eleventh Revision of Sheet No. 38-1	Sixth Revision of Sheet No. 490-1
Eleventh Revision of Sheet No. 47-1	Sixth Revision of Sheet No. 491-6
Twelfth Revision of Sheet No. 49-1	Tenth Revision of Sheet No. 491-8
Fourteenth Revision of Sheet No. 75-1	Eighth Revision of Sheet No. 491-9
Twelfth Revision of Sheet No. 76R-1	Eighth Revision of Sheet No. 491-10
Thirteenth Revision of Sheet No. 83-1	Eighth Revision of Sheet No. 491-11
Tenth Revision of Sheet No. 85-1	Seventh Revision of Sheet No. 491-12
Fourteenth Revision of Sheet No. 89-1	Seventh Revision of Sheet No. 491-13
Sixth Revision of Sheet No. 90-1	Sixth Revision of Sheet No. 491-14
Fourteenth Revision of Sheet No. 91-7	Sixth Revision of Sheet No. 492-1
Eleventh Revision of Sheet No. 91-9	Sixth Revision of Sheet No. 495-3
Tenth Revision of Sheet No. 91-10	Ninth Revision of Sheet No. 495-5
Tenth Revision of Sheet No. 91-11	Eighth Revision of Sheet No. 495-8
Tenth Revision of Sheet No. 91-12	Eleventh Revision of Sheet No. 515-1
Ninth Revision of Sheet No. 91-13	Twelfth Revision of Sheet No. 515-2
Eighth Revision of Sheet No. 91-14	Eleventh Revision of Sheet No. 515-3
Tenth Revision of Sheet No. 91-15	Eighth Revision of Sheet No. 515-4
Thirteenth Revision of Sheet No. 92-1	Tenth Revision of Sheet No. 532-1
Eighth Revision of Sheet No. 95-3	Eleventh Revision of Sheet No. 538-1
Thirteenth Revision of Sheet No. 95-5	Eleventh Revision of Sheet No. 549-1
Sixth Revision of Sheet No. 95-8	Fourteenth Revision of Sheet No. 575-1
Eleventh Revision of Sheet No. 102-1	Twelfth Revision of Sheet No. 576R-1
Fourteenth Revision of Sheet No. 122-1	Twelfth Revision of Sheet No. 583-1
Fourteenth Revision of Sheet No. 122-2	Ninth Revision of Sheet No. 585-1
Third Revision of Sheet No. 122-3	Fourteenth Revision of Sheet No. 589-1
Tenth Revision of Sheet No. 123-1	Sixth Revision of Sheet No. 590-1
Ninth Revision of Sheet No. 123-2	Sixteenth Revision of Sheet No. 591-6
Thirteenth Revision of Sheet No. 123-3	Twentieth Revision of Sheet No. 591-7
Thirteenth Revision of Sheet No. 123-4	Fourteenth Revision of Sheet No. 591-8
Twelfth Revision of Sheet No. 123-5	Thirteenth Revision of Sheet No. 591-9
Third Revision of Sheet No. 123-6	Thirteenth Revision of Sheet No. 591-10
Original Sheet No. 123-7	Eleventh Revision of Sheet No. 591-11
Thirteenth Revision of Sheet No. 125-2	Tenth Revision of Sheet No. 591-12
Tenth Revision of Sheet No. 126-1	Eleventh Revision of Sheet No. 591-13
Ninth Revision of Sheet No. 126-3	Eleventh Revision of Sheet No. 592-1
Twenty Second Revision of Sheet No. 128-1	Thirteenth Revision of Sheet No. 595-3
Twenty First Revision of Sheet No. 128-2	Ninth Revision of Sheet No. 595-6
Nineteenth Revision of Sheet No. 129-2	Fifth Revision of Sheet No. 750-1
Thirtieth Revision of Sheet No. 129-3	Fifth Revision of Sheet No. 750-2
Fourth Revision of Sheet No. 129-6	Fourth Revision of Sheet No. 750-3
Seventeenth Revision of Sheet No. 300-1	

PGE hereby withdraws the following Sheet:
First Revision of Sheet No. 300-7

**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 Point of Delivery (POD)*:

<u>Basic Charge Standard Service and Time-of-Use Portfolio</u>	\$13.00		(I)
<u>Transmission and Related Services Charge</u>	0.252	¢ per kWh	(I)
<u>Distribution Charge</u>	4.688	¢ per kWh	(I)
<u>Energy Charge Standard Service</u>			
First 1,000 kWh	6.629	¢ per kWh	(I)
Over 1,000 kWh	7.351	¢ per kWh	(I)
<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>			(I)
On-Peak Period	0.412	¢ per kWh	
Mid-Peak Period	0.412	¢ per kWh	
Off-Peak Period	0.000	¢ per kWh	
<u>Distribution Charge TOU Portfolio</u>			(I)
On-Peak Period	7.657	¢ per kWh	
Mid-Peak Period	7.657	¢ per kWh	
Off-Peak Period	0.000	¢ per kWh	
<u>Energy Charge TOU Portfolio</u>			
On-Peak Period	12.908	¢ per kWh	(I)
Mid-Peak Period	7.351	¢ per kWh	(I)
Off-Peak Period	4.304	¢ per kWh	(I)
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>	0.155	¢ per kWh	(I)
<u>Distribution Charge</u>	6.475	¢ per kWh	(I)
<u>Cost of Service Energy Charge</u>	5.177	¢ per kWh	(I)

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)

Rates for Area Lighting

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate ⁽¹⁾ Per Luminaire</u>	
Cobrahead					
Mercury Vapor	175	7,000	66	\$ 12.52 ⁽²⁾	(R)
	400	21,000	147	22.63 ⁽²⁾	(R)
	1,000	55,000	374	49.66 ⁽²⁾	(I)
HPS	70	6,300	30	8.31 ⁽²⁾	(R)
	100	9,500	43	9.85	
	150	16,000	62	12.20	
	200	22,000	79	14.59	
	250	29,000	102	17.18	
	310	37,000	124	20.14	(R)
	400	50,000	163	24.46	(I)
Flood, HPS	100	9,500	43	9.74 ⁽²⁾	(R)
	200	22,000	79	14.80 ⁽²⁾	
	250	29,000	102	17.47	(R)
	400	50,000	163	24.68	
Shoebox, HPS (bronze color, flat lens or drop lens, multi-volt)	70	6,300	30	9.62	(R)
	100	9,500	43	10.85	
	150	16,500	62	13.41	
Special Acorn Type, HPS	100	9,500	43	13.10	
HADCO Victorian, HPS	150	16,500	62	15.34	
	200	22,000	79	18.01	
	250	29,000	102	20.72	
Early American Post-Top, HPS					
Black	100	9,500	43	10.23	(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⁽¹⁾</u>	
Special Types					
Cobrahead, Metal Halide	150	10,000	60	\$ 12.38	(R)
	175	12,000	71	13.75	
Flood, Metal Halide	350	30,000	139	21.86	
	400	40,000	156	24.05	(R)
Flood, HPS	750	105,000	285	42.28	(I)
HADCO Independence, HPS	100	9,500	43	13.25	(R)
	150	16,000	62	15.49	
HADCO Capitol Acorn, HPS	100	9,500	43	16.68	
	150	16,000	62	17.65	
	200	22,000	79	19.68	
	250	29,000	102	22.37	
HADCO Techtra, HPS	100	9,500	43	21.56	
	150	16,000	62	23.58	
	250	29,000	102	28.13	
HADCO Westbrooke, HPS	70	6,300	30	14.09	
	100	9,500	43	15.21	
	150	16,000	62	21.98	
	200	22,000	79	19.64	
	250	29,000	102	22.92	
Holophane Mongoose, HPS	150	16,000	62	15.72	(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 ⁽¹⁾	
Acorn					
LED	60	5,488	21	\$ 12.89	(R)
	70	4,332	24	14.17	
HADCO LED	70	5,120	24	17.80	
Cobrahead Equivalent					
LED	37	2,530	13	4.73	
	50	3,162	17	5.18	
	52	3,757	18	5.65	
	67	5,050	23	6.28	
	106	7,444	36	8.10	(R)
	134	14,200	46	12.12	(I)
	156	16,300	53	13.46	(R)
	176	18,300	60	15.16	(I)
	201	21,400	69	15.73	
Westbrooke LED (Non-Flare)	36	3,369	12	15.52	
	53	5,079	18	17.51	
	69	6,661	24	17.47	(I)
	85	8,153	29	18.69	(R)
	136	12,687	46	22.29	
	206	18,159	70	24.84	(R)
Westbrooke LED (Flare)	36	3,369	12	15.88	(I)
	53	5,079	18	18.06	(R)
	69	6,661	24	18.91	(R)
	85	8,153	29	20.22	(I)
	136	12,687	46	21.91	(R)
	206	18,159	70	26.12	
CREE XSP LED	25	2,529	9	3.36	
	42	3,819	14	4.04	
	48	4,373	16	4.68	
	56	5,863	19	5.46	
	91	8,747	31	6.88	(R)
Post-Top, American Revolution					
LED	45	3,395	15	8.19	(I)
	72	4,409	25	8.87	(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⁽¹⁾</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>	
Wood, Standard	35 or less	\$ 5.18	(I)
	40 to 55	6.17	(R)
Wood, Painted for Underground	35 or less	5.18 ⁽²⁾	(I)
Wood, Curved Laminated	30 or less	6.51 ⁽²⁾	
Aluminum, Regular	16	6.39	
	25	10.52	
	30	11.31	(I)
	35	12.59	(R)
Aluminum, Fluted Ornamental	14	9.50	(I)
Aluminum Davit	25	10.57	
	30	11.13	
	35	12.28	
	40	16.15	
Aluminum Double Davit	30	15.23	
Aluminum, Fluted Ornamental	16	10.24	
Aluminum, HADCO, Smooth Techtra Ornamental	18	19.69	
Aluminum, HADCO, Fluted Westbrooke	18	19.05	
Aluminum, HADCO, Smooth Westbrooke	18	19.64	
Concrete Ameron Post-Top	25	17.79	(I)

(1) See Schedule 100 for applicable adjustments.

(2) No new service.

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)

<u>Type of Pole</u> <u>Rates for Area Light Poles⁽¹⁾</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>	
Fiberglass Fluted Ornamental; Black	14	\$ 11.00	(1)
Fiberglass, Regular			
Black	20	4.72	
Gray or Bronze	30	7.92	
Black, Gray, or Bronze	35	7.40	
Fiberglass, Anchor Base, Gray or Black	35	12.92	
Fiberglass, Direct Bury with Shroud	18	7.47	(1)

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 Point of Delivery (POD)*:

<u>Basic Charge</u>			
Single Phase Service	\$20.00		(I)
Three Phase Service	\$29.00		(I)
<u>Transmission and Related Services Charge</u>	0.212	¢ per kWh	(I)
<u>Distribution Charge</u>			
First 5,000 kWh	4.545	¢ per kWh	(I)
Over 5,000 kWh	1.516	¢ per kWh	(I)
<u>Energy Charge Options</u>			
Standard Service	6.073	¢ per kWh	
or			
Time-of-Use (TOU) Portfolio (enrollment is necessary)			
On-Peak Period	10.786	¢ per kWh	
Mid-Peak Period	6.073	¢ per kWh	
Off-Peak Period	3.598	¢ per kWh	

* See Schedule 100 for applicable adjustments.

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

This optional schedule is applicable to Large Nonresidential Customers: 1) served at Secondary 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 Point of Delivery (POD)*:

<u>Basic Charge</u>	\$30.00		(I)
<u>Transmission and Related Services Charge</u>	0.174	¢ per kWh	(I)
<u>Distribution Charge</u>	7.549	¢ per kWh	(I)
<u>Energy Charge*</u>			
On-Peak Period	6.297	¢ per kWh	(I)
Off-Peak Period	4.797	¢ 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 Point of Delivery (POD)*:

<u>Basic Charge</u>			
Summer Months**	\$37.00		(I)
Winter Months**	No Charge		
<u>Transmission and Related Services Charge</u>	0.218	¢ per kWh	(I)
<u>Distribution Charge</u>			
First 50 kWh per kW of Demand***	11.555	¢ per kWh	(I)
Over 50 kWh per kW of Demand	9.555	¢ per kWh	(I)
<u>Energy Charge</u>	7.075	¢ 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 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 Point of Delivery (POD)*:

<u>Basic Charge</u>			
Summer Months**	\$45.00		(l)
Winter Months**	No Charge		
<u>Transmission and Related Services Charge</u>	0.219	¢ per kWh	(l)
<u>Distribution Charge</u>			
First 50 kWh per kW of Demand***	8.412	¢ per kWh	(l)
Over 50 kWh per kW of Demand	6.412	¢ per kWh	(l)
<u>Energy Charge</u>	7.035	¢ 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 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 Point of Delivery (POD)*:

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,540.00	\$2,040.00	\$4,190.00	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.79	\$0.77	\$0.76	(I)
<u>Distribution Charges</u> The sum of the following: per kW of Facility Capacity				
First 4,000 kW	\$1.52	\$1.48	\$1.48	(R)
Over 4,000 kW	\$1.21	\$1.17	\$1.17	(R)
per kW of monthly On-Peak Demand	\$2.66	\$2.58	\$1.29	(R)(I)
<u>Generation Contingency Reserves Charges</u>				
<u>Spinning Reserves</u> per kW of Reserved Capacity > 2,000 kW	\$0.234	\$0.234	\$0.234	
<u>Supplemental Reserves</u> per kW of Reserved Capacity > 2,000 kW	\$0.234	\$0.234	\$0.234	
<u>System Usage Charge</u> per kWh	0.126 ¢	0.122 ¢	0.120 ¢	(I)
<u>Energy Charge</u> per kWh	See Energy Charge Below			

* See Schedule 100 for applicable adjustments.

**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 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	\$0.031	\$0.030	\$0.030	(I)
<u>Daily ERP Demand Charge</u> per kW of Daily ERP Demand during On-Peak hours per day**	\$0.104	\$0.101	\$0.050	(I)
<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 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 Point of Delivery (POD)*:

<u>Basic Charge</u>		
Single Phase Service	\$35.00	(I)
Three Phase Service	\$45.00	(I)
<u>Transmission and Related Services Charge</u>		
per kW of monthly On-Peak Demand	\$0.79	(I)
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 30 kW	\$3.60	(R)
Over 30 kW	\$3.50	
per kW of monthly On-Peak Demand	\$2.66	(R)
<u>Energy Charge (per kWh)</u>		
On-Peak Period***	6.547 ¢	(I)
Off-Peak Period***	5.047 ¢	
See below for Daily Pricing Option description.		
<u>System Usage Charge</u>		
per kWh	0.778 ¢	(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 POD.

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

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

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

MONTHLY RATE

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

	<u>Delivery Voltage</u>		
	<u>Secondary</u>	<u>Primary</u>	
<u>Basic Charge</u>	\$590.00	\$490.00	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.79	0.77	(I)
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity			
First 200 kW	\$3.27	\$3.20	(I,R)
Over 200 kW	\$2.07	\$2.00	(R)
per kW of monthly On-Peak Demand	\$2.66	\$2.58	(R)
<u>Energy Charge</u> (per kWh)			
On-Peak Period***	6.358 ¢	6.250 ¢	(I)
Off-Peak Period***	4.858 ¢	4.750 ¢	
See below for Daily Pricing Option description.			
<u>System Usage Charge</u> per kWh	0.118 ¢	0.114 ¢	(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 POD.

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

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

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

MONTHLY RATE

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

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,540.00	\$2,040.00	\$4,190.00	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.79	\$0.77	\$0.76	(I)
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity				
First 4,000 kW	\$1.52	\$1.48	\$1.48	(R)
Over 4,000 kW	\$1.21	\$1.17	\$1.17	(R)
per kW of monthly On-Peak Demand	\$2.66	\$2.58	\$1.29	(R)(I)
<u>Energy Charge (per kWh)</u>				
On-Peak Period***	6.107 ¢	6.007 ¢	5.932 ¢	(I)
Off-Peak Period***	4.607 ¢	4.507 ¢	4.432 ¢	(I)
See below for Daily Pricing Option description.				
<u>System Usage Charge</u> per kWh	0.126 ¢	0.122 ¢	0.120 ¢	(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 POD.

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

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

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

MONTHLY RATE

The sum of the following charges per Point of Delivery (POD)*:

<u>Basic Charge</u>	\$6,600.00	(I)
<u>Transmission and Related Services Charge</u> per kW of monthly On-Peak Demand	\$0.77	(I)
<u>Distribution Charges**</u> The sum of the following: per kW of Facility Capacity		
First 4,000 kW	\$1.59	(I)
Over 4,000 kW	\$1.28	(I)
per kW of monthly on-peak Demand	\$2.58	(R)
<u>Energy Charge</u> (per kWh)		
On-Peak Period***	5.849¢	(I)
Off-Peak Period***	4.349¢	(I)
See below for Daily Pricing Option description.		
<u>System Usage Charge</u> per kWh	0.078¢	(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 POD.

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

SCHEDULE 91 (Continued)

MONTHLY RATE

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

<u>Transmission and Related Services Charge</u>	0.155 ¢ per kWh	(I)
<u>Distribution Charge</u>	6.475 ¢ per kWh	(I)
<u>Energy Charge</u>		
Cost of Service Option	5.177 ¢ per kWh	(I)

Daily Price Option – Available only to Customers with an average load of five MW or greater on Schedules 91 and 95 and those customers that met the five MW or greater threshold prior to converting to lights from Schedule 91 to Schedule 95. This selection of this option applies to all luminaires served under Schedules 91 and 95. This option gives eligible Customers an option between a daily Energy price and a Cost of Service option for the Energy charge. In addition to the daily Energy price, the Customer will pay a Basic Charge of \$75 per month to help offset the costs of billing this option. The daily Energy price for all kWh will be the Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Firm Index) plus 0.307¢ per kWh for wheeling, plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period.

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

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

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

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

Enrollment for Service

To begin service under the Daily Price Option on January 1st, the Customer will notify the Company by 5:00 p.m. PPT on November 15th (or the following working day if the 15th 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	(I)
	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	\$ 4.85	1.51	(I)
	100	9,500	43	4.85	1.51	
	150	16,000	62	4.96	1.53	
	200	22,000	79	5.72	1.58	
	250	29,000	102	5.60	1.56	
	400	50,000	163	5.67	1.57	
Flood	250	29,000	102	5.89	1.60	(I)
	400	50,000	163	5.89	1.60	
Early American Post-Top	100	9,500	43	5.22	1.56	(I)
Shoebox (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	6.16	1.69	(I)
	100	9,500	43	5.85	1.65	
	150	16,000	62	6.16	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	\$ 4.79	\$ 0.15	(I)
Fiberglass, Black or Bronze	30	7.43	0.24	
Fiberglass, Gray	30	8.05	0.26	(I)
Fiberglass, Smooth, Black or Bronze	18	5.04	0.16	
Fiberglass, Regular Black, Bronze, or Gray	18	4.21	0.13	(I)
	35	7.50	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	\$ 5.28	\$ 0.17	(I)	(I)
Wood, Standard	40 to 55	6.27	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	\$ 8.47	\$ 1.95	(I)	
HADCO Victorian, HPS	150	16,000	62	8.47	1.95		
	200	22,000	79	9.13	2.04		
	250	29,000	102	9.13	2.04		
HADCO Capitol Acorn, HPS	100	9,500	43	12.06	2.42		
	150	16,000	62	10.79	2.25		
	200	22,000	79	10.80	2.26		
	250	29,000	102	10.79	2.25		
Special Architectural Types							
HADCO Independence, HPS	100	9,500	43	8.62	1.96		
	150	16,000	62	8.62	1.96		
HADCO Techtra, HPS	100	9,500	43	16.94	3.06		
	150	16,000	62	16.72	3.03		
	250	29,000	102	16.55	3.01		
HADCO Westbrooke, HPS	70	6,300	30	11.01	2.28		
	100	9,500	43	10.59	2.22		
	150	16,000	62	15.12	2.81		
	200	22,000	79	10.77	2.25		
	250	29,000	102	11.34	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	\$ 5.91	\$ 1.75	(I)
Flood, HPS	750	105,000	285	9.09	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	\$ 10.65	\$ 0.34	(I)
	30	11.44	0.37	(I)
	35	12.71	0.41	(R)
Aluminum Davit	25	10.69	0.34	(I)
	30	11.26	0.36	
	35	12.40	0.40	
	40	16.31	0.52	
Aluminum Double Davit	30	15.36	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	\$ 9.57	\$ 0.31	(I)
Aluminum, HADCO, Smooth Techtra Ornamental	18	19.82	0.63	
Aluminum, Fluted Ornamental	16	10.32	0.33	
Aluminum, HADCO, Fluted Westbrooke	18	19.18	0.61	
Aluminum, HADCO, Smooth Westbrooke	18	19.77	0.63	
Fiberglass, Fluted Ornamental Black	14	11.10	0.35	
Fiberglass, Anchor Base, Gray or Black	35	13.02	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>	
Cobrahead, Metal Halide	150	10,000	60	\$ 5.37	\$ 1.79	(I)
Cobrahead, Mercury Vapor	100	4,000	39	*	*	
	175	7,000	66	4.81	1.47	
	250	10,000	94	*	*	
	400	21,000	147	5.73	1.59	
	1,000	55,000	374	5.96	1.86	
Holophane Mongoose, HPS	150	16,000	62	8.86	2.00	
	250	29,000	102	8.31	1.93	
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	5.81	*	
Mercury Vapor	175	7,000	66	5.77	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	\$ 6.09	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	17.97	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	8.50	1.98
Special GardCo Bronze Alloy					
HPS	70	5,000	30	*	*
Mercury Vapor	175	7,000	66	*	*

* 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>	
Early American Post-Top, HPS						
Black	70	6,300	30	\$ 5.16	\$ 1.50	(I)
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	5.17	1.51	
Flood, HPS	70	6,300	30	4.76	1.42	
	100	9,500	43	4.74	1.52	
	200	22,000	79	5.93	1.64	
Cobrahead, HPS						
Power Door	310	37,000	124	5.96	1.92	(I)
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.

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	\$ 6.47	*	(I)
Aluminum, Painted Ornamental	35	*	\$ 0.97	
Aluminum, Regular	16	6.47	0.21	
Bronze Alloy GardCo	12	*	0.19	
Concrete, Ornamental	35 or less	10.65	0.34	
Fiberglass, Direct Bury with Shroud	18	7.59	0.24	
Steel, Painted Regular **	25	10.65	0.34	
Steel, Painted Regular **	30	11.44	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	4.79	0.15	
Wood, Laminated Street Light Only	20	4.79	*	
Wood, Curved Laminated	30	6.62	0.24	
Wood, Painted Underground	35	5.28	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 Point of Delivery (POD)*:

<u>Transmission and Related Services Charge</u>	0.163	¢ per kWh	(I)
<u>Distribution Charge</u>	3.123	¢ per kWh	(I)
<u>Energy Charge</u>	5.322	¢ per kWh	(I)

* See Schedule 100 for applicable adjustments.

ELECTION WINDOW

Balance-of-Year Election Window

The Balance-of-Year Election Window begins at 8:00 a.m. on February 15th (or the following business day if the 15th 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 15th election, the move is effective on the following April 1st. 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>	0.155 ¢ per kWh	(l)
<u>Distribution Charge</u>	6.475 ¢ per kWh	(l)
<u>Energy Charge</u>		
Cost of Service Option	5.177 ¢ per kWh	(l)

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 0.307¢ per kWh for wheeling, plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period.

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

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

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

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

SCHEDULE 95 (Continued)

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rate	Straight Time	Overtime ⁽¹⁾
	\$140.00 per hour	\$203.00 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>	
Cobrahead Equivalent	37	2,530	13	\$ 2.85	(R)
Cobrahead Equivalent	50	3,162	17	2.82	
Cobrahead Equivalent	52	3,757	18	3.17	
Cobrahead Equivalent	67	5,050	23	3.33	
Cobrahead Equivalent	106	7,444	36	3.62	(R)
Cobrahead Equivalent	134	14,200	46	7.15	(I)
Cobrahead Equivalent	156	16,300	53	7.65	(R)
Cobrahead Equivalent	176	18,300	60	8.54	(I)
Cobrahead Equivalent	201	21,400	69	8.03	(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	\$ 10.87	(I)
	70	4,332	24	11.79	(R)
HADCO Acorn LED	70	5,120	24	15.43	(R)
Westbrooke (Non-Flared)	36	3,369	12	14.56	(I)
LED	53	5,079	18	15.84	
	69	6,661	24	15.10	
	85	8,153	29	15.73	
	136	12,687	46	17.32	
	206	18,159	70	17.04	
Westbrooke (Flared)	36	3,369	12	14.92	(I)
LED	53	5,079	18	16.38	(R)
	69	6,661	24	16.54	(I)
	85	8,153	29	17.26	(I)
	136	12,687	46	16.94	(R)
	206	18,159	70	18.32	(I)
Post-Top, American Revolution	45	3,395	15	6.88	
LED	72	4,409	25	6.38	(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 102
REGIONAL POWER ACT EXCHANGE* CREDIT**

PURPOSE

Each Customer's bill rendered under schedules providing Residential Service, Farm Service and Nonresidential Farm Irrigation and Drainage Pumping Service will include the Regional Power Act Exchange Credit applied to each kWh sold when the Customer qualifies for the adjustment according to the definitions and limitations set forth in this schedule. Where Customers are served by Electricity Service Suppliers (ESSs), the ESS will agree to pass through the credit to the Customer

AVAILABLE

In all territory served by the Company.

APPLICABLE

To all bills for Direct Access Service, Emergency Default Service, Standard Service and Residential Service where the Customer meets the definition of Residential Service, Farm Service or Farm Irrigation and Drainage Pumping Service as specified in this schedule. Consistent with the requirements of the Bonneville Power Administration (BPA), if, in the course of doing business, a utility discovers that one of its existing Customers is growing Cannabis using power provided by the utility, such customer is not eligible for the Regional Power Act Exchange Credit under this Schedule.

REGIONAL POWER ACT EXCHANGE CREDIT

The credit will be the value of power and other benefits inclusive provided in accordance with the terms of the Settlement Agreement between the Company and the BPA.

The credit inclusive of interest is:

Schedule 7			
First 1,000 kWh	(0.931)	¢ per kWh	(I)
Over 1,000 kWh	(0.500)	¢ per kWh	(R)
All other schedules	(0.835)	¢ per kWh	(R)

RESIDENTIAL SERVICE

Residential Service means Electricity Service provided for residential purposes including service to master-metered apartments, apartment utility rooms, common areas, and other residential uses.

* Short title for "Pacific Northwest Electric Power Planning and Conservation Act".

**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 (including associated transmission) not otherwise included in rates. Additional new renewable and energy storage projects 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, Section 13 of the Oregon Renewable Energy Act (OREA), and ORS 469A.120. (C)
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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 plus incremental expenses related to energy storage as allowed in Oregon House Bill 2193. 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 renewable or energy storage Resource 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:

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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 resource project, or project segment, has met requirements for being commercially operational and is in service.

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**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 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.

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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. Prior to 2019, the actual revenues in the SNA calculation will be weather normalized. 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.

The SNA is applicable to the following rate schedules:

<u>Schedule</u>	<u>Fixed Charge Energy Rate (¢ per kWh)</u>	<u>Monthly Fixed Charge</u>	<u>Monthly Secondary Fixed Charge</u>
7	9.047	\$ 72.41	\$ 49.96
32	8.092	\$ 114.54	
38*	11.095	\$ 722.04	
47*	14.633	\$ 86.67	
49*	11.501	\$ 477.34	
83*	3.915	\$ 791.63	
85*			
Secondary	3.777	\$ 4,823.69	
Primary	3.710	\$ 7,613.93	
532	8.092	\$ 114.54	
538*	11.095	\$ 722.04	
549*	11.501	\$ 477.34	

*Applicable beginning in 2019. The Fixed Charge Energy Rate for Schedules 83, 85, 583, and 585 include fixed generation charges only.

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SCHEDULE 123 (Continued)

NONRESIDENTIAL LOST REVENUE RECOVERY ADJUSTMENT (LRR)

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For EEMs installed prior to 2019, the Nonresidential Lost Revenue Recovery Adjustment is applicable to all customers except those served under Schedules 7, 32 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.

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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.

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.

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SCHEDULE 123 (Continued)

SNA and LRRR BALANCING ACCOUNTS

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

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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	0.009 ¢ per kWh
15	(0.008) ¢ per kWh
32	(0.070) ¢ per kWh
38	(0.008) ¢ per kWh
47	(0.008) ¢ per kWh
49	(0.008) ¢ per kWh
75	
Secondary	(0.008) ¢ per kWh
Primary	(0.008) ¢ per kWh
Subtransmission	(0.008) ¢ per kWh
83	(0.008) ¢ per kWh
85	
Secondary	(0.008) ¢ per kWh
Primary	(0.008) ¢ per kWh
89	
Secondary	(0.008) ¢ per kWh
Primary	(0.008) ¢ per kWh
Subtransmission	(0.008) ¢ per kWh

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SCHEDULE 123 (Continued)

DECOUPLING ADJUSTMENT (Continued)

<u>Schedule</u>	<u>Adjustment Rate</u>
90	(0.008) ¢ per kWh
91	(0.008) ¢ per kWh
92	(0.008) ¢ per kWh
95	(0.008) ¢ per kWh
485	
Secondary	(0.002) ¢ per kWh
Primary	(0.002) ¢ per kWh
489	
Secondary	(0.002) ¢ per kWh
Primary	(0.002) ¢ per kWh
Subtransmission	(0.002) ¢ per kWh
490	(0.002) ¢ per kWh
491	(0.002) ¢ per kWh
492	(0.002) ¢ per kWh
495	(0.002) ¢ per kWh
515	(0.008) ¢ per kWh
532	(0.070) ¢ per kWh
538	(0.008) ¢ per kWh
549	(0.008) ¢ per kWh
575	
Secondary	(0.008) ¢ per kWh
Primary	(0.008) ¢ per kWh
Subtransmission	(0.008) ¢ per kWh
583	(0.008) ¢ per kWh

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SCHEDULE 123 (Continued)

DECOUPLING ADJUSTMENT (Continued)

<u>Schedule</u>	<u>Adjustment Rate</u>
585	
Secondary	(0.008) ¢ per kWh
Primary	(0.008) ¢ per kWh
589	
Secondary	(0.008) ¢ per kWh
Primary	(0.008) ¢ per kWh
Subtransmission	(0.008) ¢ per kWh
590	(0.008) ¢ per kWh
591	(0.008) ¢ per kWh
592	(0.008) ¢ per kWh
595	(0.008) ¢ per kWh

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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.

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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. No revision to any SNA or LRRR Adjustment Rate will result in an estimated average annual rate increase greater than 2% to the applicable SNA or LRRR rate schedule, based on the net rates in effect on the effective date of the Schedule 123 rate revisions. If the amount of the proposed rate revision exceeds the 2% limit, only a 2% rate increase will be proposed and any remaining amount in the SNA balancing Account will be carried over to the following year(s). Rate revisions resulting in a rate decrease are not subject to the 2% limit.
3. The LRRR 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.
4. The LRRR mechanism will terminate on December 31, 2018.
5. The SNA mechanism will terminate on December 31, 2022 if not extended by the Commission.

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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 1.0322. (R)

FILING AND EFFECTIVE DATE

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

On or before October 1st 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 15th, 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 1st with: 1) projected market electric and fuel prices based on the average of the Company's internally generated projections made during the period November 1st through November 7th, 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 1st 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 1.0322 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 1.0322 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 1st of the following year (or the next business day if the 1st 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: (C)

Schedule		Annual ¢ per kWh ⁽¹⁾	(C)
32		3.489	(I)
38		2.982	
75	Secondary	2.926 ⁽²⁾	
	Primary	2.872 ⁽²⁾	
	Subtransmission	2.891 ⁽²⁾	
83		3.434	
85	Secondary	3.240	
	Primary	3.157	(I)

(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 ⁽¹⁾
89	Secondary	2.926
	Primary	2.872
	Subtransmission	2.891
90		2.696
91		2.762
95		2.762
515		2.762
532		3.489
538		2.982
549		4.427
575	Secondary	2.926 ⁽²⁾
	Primary	2.872 ⁽²⁾
	Subtransmission	2.891 ⁽²⁾
583		3.434
585	Secondary	3.240
	Primary	3.157
589	Secondary	2.926
	Primary	2.872
	Subtransmission	2.891
590		2.696
591		2.762
592		2.766
595		2.762

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(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 15th (or the next business day if the 15th is a weekend or holiday) to be effective for service on and after January 1st 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	(R)
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	2.292	2.272	1.876	1.841	1.812	1.798	1.794	(R)
After 2019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

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	(R)
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	2.986	2.953	2.681	2.727	2.578	2.295	2.460	(R)
2020	2.986	2.953	2.681	2.727	2.578	2.295	2.460	(R)
After 2020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

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	2.873	2.823	2.735	2.687	2.625	2.328	2.490	(R)
2020	2.873	2.823	2.735	2.687	2.625	2.328	2.490	
2021	2.873	2.823	2.735	2.687	2.625	2.328	2.490	(R)
After 2021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

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	3.099	3.054	2.843	2.793	2.743	2.587	2.717	
2020	3.099	3.054	2.843	2.793	2.743	2.587	2.717	
2021	3.099	3.054	2.843	2.793	2.743	2.587	2.717	
2022	3.099	3.054	2.843	2.793	2.743	2.587	2.717	
After 2022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(R)

SCHEDULE 129 (Concluded)

SPECIAL CONDITIONS (Continued)

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	3.765	(R)
	Primary	3.698	
89	Secondary	3.525	
	Primary	3.460	
	Subtransmission	3.414	
90		3.434	
91		3.346	
92		3.346	
95		3.346	(R)

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)

1.4% per annum.

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

Trouble call, cause in Customer-owned equipment

Scheduled Crew Hours ⁽¹⁾	No charge	
Other than Scheduled Crew Hours ⁽¹⁾	\$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 ⁽²⁾	\$ 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⁽¹⁾</u>		
At Meter Base	\$ 80.00	
Other than Meter Base	\$160.00	

CUSTOMER REQUESTED DISCONNECTION AND RECONNECTION RATES (Rule H)⁽²⁾⁽³⁾

<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)
NON-NETWORK RESIDENTIAL METER RATES (Rule M)		
Installation of non-network meter (one time charge)	\$80.00	(R) (M)
Non-network Meter Read	\$ 17.00 per month	(R)
METER RELOCATION RATES (Rule M)		
Single meter relocation	Estimated Actual Costs	
Single meter relocation with Pole	Estimated Actual Costs	
MISCELLANEOUS EQUIPMENT RENTAL (Rule C)		
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	
TRANSFORMERS (Rule I Section 3)		
<u>Submersible Transformers⁽¹⁾</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)

(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.

(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⁽¹⁾

Additional Request
Concentration Test

Site-by-Site Basis⁽²⁾

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⁽¹⁾

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⁽³⁾

PGE TRAINING

Educational and Energy Efficiency (EE) training available to:

PGE Business Customer	No Charge ⁽¹⁾
Non-PGE Business Customer	Estimated Actual Cost ⁽²⁾

- (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)

(I)

(I)

(C)

(D)

(M)

(N)

(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)

DEPOSIT AMOUNTS	<u>Average Deposit</u>
Single-Family Dwellings	
All electric (electric heat, hot water, range, and lights)	\$229.00
Electric heat but not all electric	\$177.00
Electric hot water, range, and lights	\$160.00
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	\$203.00
Any other combination	\$130.00
Houseboats	
All electric	\$122.00
Any other combination	\$89.00

(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 Points of Delivery (POD). Each POD must have a Facility Capacity of at least 250 kW. Customers with existing enrolled PODs meeting the 1 MWA criteria above may, in a subsequent enrollment window enroll additional PODs 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 POD*:

	<u>Delivery Voltage</u>		
	<u>Secondary</u>	<u>Primary</u>	
<u>Basic Charge</u>	\$590.00	\$490.00	(I)
<u>Distribution Charges**</u>			
The sum of the following:			
per kW of Facility Capacity			
First 200 kW	\$3.27	\$3.20	(R)(I)
Over 200 kW	\$2.07	\$2.00	(R)
per kW of monthly On-Peak Demand	\$2.66	\$2.58	(R)
<u>System Usage Charge</u>			
per kWh	(0.014) ¢	(0.015) ¢	(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 POD.

*** 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 Points of Delivery (POD). Each POD must have a Facility Capacity of at least 250 kW. Customers with existing enrolled PODs meeting the 1 MWa criteria above may, in a subsequent enrollment window enroll additional PODs 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 POD*:

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,540.00	\$2,040.00	\$4,190.00	(I)
<u>Distribution Charges**</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.52	\$1.48	\$1.48	(R)
Over 4,000 kW	\$1.21	\$1.17	\$1.17	(R)
per kW of monthly On-Peak Demand	\$2.66	\$2.58	\$1.29	(R)(I)
<u>System Usage Charge</u>				
per kWh	0.002 ¢	0.000 ¢	0.000 ¢	(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 POD.

*** 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 Points of Delivery (POD). Each POD must have a Facility Capacity of at least 250 kW. Customers with existing enrolled PODs meeting the 1 MWa criteria above may, in a subsequent enrollment window*** enroll additional PODs 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 Point of Delivery (POD)*:

<u>Basic Charge</u>	\$6,600.00	(I)
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 4,000 kW	\$1.59	(I)
Over 4,000 kW	\$1.28	(I)
per kW of monthly On-Peak Demand	\$2.58	(R)
<u>System Usage Charge</u>		
per kWh	(0.060) ¢	(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 POD.

*** 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

6.338 ¢ 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 POD under this schedule.

SCHEDULE 491 (Continued)

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rates	Straight Time	Overtime ⁽¹⁾
	\$140.00 per hour	\$203.00 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**

<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	*	\$ 3.19	\$ 1.90	(I)
	100	9,500	43	*	4.01	2.73	
	150	16,000	62	*	5.22	3.93	
	200	22,000	79	*	6.33	5.01	
	250	29,000	102	*	7.76	6.46	
	400	50,000	163	*	11.67	10.33	
Cobrahead, Non-Power Door	70	6,300	30	\$ 6.75	3.41	1.90	
	100	9,500	43	7.58	4.24	2.73	
	150	16,000	62	8.89	5.46	3.93	
	200	22,000	79	10.73	6.59	5.01	
	250	29,000	102	12.06	8.02	6.46	
	400	50,000	163	16.00	11.90	10.33	
Flood	250	29,000	102	12.35	8.06	6.46	
	400	50,000	163	16.22	11.93	10.33	
Early American Post-Top	100	9,500	43	7.95	4.29	2.73	
Shoebox (Bronze color, flat Lens, or drop lens, multi-volt)	70	6,300	30	8.06	3.59	1.90	
	100	9,500	43	8.58	4.38	2.73	
	150	16,000	62	10.09	5.62	3.93	(I)

* 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	\$ 4.79	\$ 0.15	(I)
Fiberglass, Black or Bronze	30	7.43	0.24	
Fiberglass, Gray	30	8.05	0.26	
Fiberglass, Smooth, Black or Bronze	18	5.04	0.16	
Fiberglass, Regular	18	4.21	0.13	
Black, Bronze, or Gray	35	7.50	0.24	
Wood, Standard	30 to 35	5.28	0.17	(I)
Wood, Standard	40 to 55	6.27	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	\$ 4.68	\$ 2.73	(I)
HADCO Victorian, HPS	150	16,000	62	12.40	5.88	3.93	
	200	22,000	79	14.14	7.05	5.01	
	250	29,000	102	15.59	8.50	6.46	
HADCO Capitol Acorn, HPS	100	9,500	43	14.79	5.15	2.73	
	150	16,000	62	14.72	6.18	3.93	
	200	22,000	79	15.81	7.27	5.01	
	250	29,000	102	17.25	8.71	6.46	
Special Architectural Types							
HADCO Independence, HPS	100	9,500	43	11.35	4.69	2.73	
	150	16,000	62	12.55	5.89	3.93	
HADCO Techtra, HPS	100	9,500	43	19.67	5.79	2.73	
	150	16,000	62	20.65	6.96	3.93	
	250	29,000	102	23.01	9.47	6.46	
HADCO Westbrooke, HPS	70	6,300	30	12.91	4.18	*	
	100	9,500	43	13.32	4.95	2.73	(I)

* Not offered.

SCHEDULE 491 (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	\$ 19.05	\$ 6.74	\$ 3.93	(I)
	200	22,000	79	15.78	7.26	5.01	
	250	29,000	102	17.80	8.78	6.46	
Special Types							
Flood, Metal Halide	350	30,000	139	14.72	10.56	8.81	
Flood, HPS	750	105,000	285	27.15	20.89	18.06	
Option C Only **							
Ornamental Acorn Twin	85	9,600	64	*	*	4.06	
Ornamental Acorn	55	2,800	21	*	*	1.33	
Ornamental Acorn Twin	55	5,600	42	*	*	2.66	
Composite, Twin	140	6,815	54	*	*	3.42	
	175	9,815	66	*	*	4.18	(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	\$ 10.65	\$ 0.34	(I)
	30	11.44	0.37	(I)
	35	12.71	0.41	(R)
Aluminum Davit	25	10.69	0.34	(I)
	30	11.26	0.36	
	35	12.40	0.40	
	40	16.31	0.52	
Aluminum Double Davit	30	15.36	0.49	
Aluminum, Fluted Ornamental	14	9.57	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	\$ 19.82	\$ 0.63	(I)
Aluminum, Fluted Ornamental	16	10.32	0.33	
Aluminum, HADCO, Fluted Westbrooke	18	19.18	0.61	
Aluminum, HADCO, Smooth Westbrooke	18	19.77	0.63	
Fiberglass, Fluted Ornamental Black	14	11.10	0.35	
Fiberglass, Anchor Base, Gray or Black	35	13.02	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	\$ 9.17	\$ 5.59	\$ 3.80	(I)
Cobrahead, Mercury Vapor	100	4,000	39	*	*	2.47	
	175	7,000	66	8.99	5.65	4.18	
	250	10,000	94	*	*	5.96	
	400	21,000	147	15.05	10.91	9.32	
	1,000	55,000	374	29.66	25.56	23.70	
Holophane Mongoose,	150	16,000	62	12.79	5.93	3.93	
HPS	250	29,000	102	14.77	8.39	*	(I)

* Not offered.

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 Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$ 7.71	*	*
Mercury Vapor	175	7,000	66	9.95	\$ 5.75	\$ 4.18
Special box, Anodized Aluminum						
Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	3.80
	70	6,300	30	*	*	1.90
	100	9,500	43	*	4.63	2.73
	150	16,000	62	*	5.85	3.93
	250	29,000	102	*	*	6.46
	400	50,000	163	*	*	10.33
Metal Halide	250	20,500	99	*	7.52	6.27
	400	40,000	156	*	11.14	*
Cobrahead, Metal Halide	175	12,000	71	*	6.16	4.50
Flood, Metal Halide	400	40,000	156	15.98	11.70	9.89
Cobrahead, Dual Wattage HPS						
70/100 Watt Ballast	100	9,500	43	*	4.26	*
100/150 Watt Ballast	100	9,500	43	*	4.26	*
100/150 Watt Ballast	150	16,000	62	*	5.48	3.93
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	6.32	3.93
KIM Archetype, HPS	250	29,000	102	*	8.90	6.46
	400	50,000	163	*	12.46	10.33

(I) | (I)

* Not offered

SCHEDULE 491 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			(I)
				Option A	Option B	Option C	
Special Acorn-Type, HPS	70	6,300	30	\$ 10.40	\$ 3.88	*	(I)
Special GardCo Bronze Alloy							
HPS	70	5,000	30	*	*	\$ 1.90	
Mercury Vapor	175	7,000	66	*	*	4.18	
Early American Post-Top, HPS							
Black	70	6,300	30	7.06	3.40	1.90	
Rectangle Type	200	22,000	79	*	*	5.01	
Incandescent	92	1,000	31	*	*	1.96	
	182	2,500	62	*	*	3.93	
Town and Country Post-Top							
Mercury Vapor	175	7,000	66	9.35	5.69	4.18	
Flood, HPS	70	6,300	30	6.66	3.32	*	
	100	9,500	43	7.47	4.25	2.73	
	200	22,000	79	10.94	6.65	5.01	
Cobrahead, HPS							
Power Door	310	37,000	124	13.82	9.78	7.86	
Special Types Customer-Owned & Maintained							
Ornamental, HPS	100	9,500	43	*	*	2.73	
Twin ornamental, HPS	Twin 100	9,500	86	*	*	5.45	
Compact Fluorescent	28	N/A	12	*	*	0.76	

* Not offered.

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	\$ 6.47	*	(I)
Aluminum, Painted Ornamental	35	*	\$ 0.97	
Aluminum, Regular	16	6.47	0.21	
Bronze Alloy GardCo	12	*	0.19	
Concrete, Ornamental	35 or less	10.65	0.34	
Fiberglass, Direct Bury with Shroud	18	7.59	0.24	
Steel, Painted Regular **	25	10.65	0.34	
Steel, Painted Regular **	30	11.44	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	4.79	0.15	
Wood, Laminated Street Light Only	20	4.79	*	
Wood, Curved Laminated	30	6.62	0.24	
Wood, Painted Underground	35	5.28	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	*	\$ 2.73	\$ 2.03	(I)
	165	12,000	60	*	4.63	3.80	
	165	12,000	60	\$ 21.77	4.88	3.80	(I)

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

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

CHARACTER OF SERVICE

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

MONTHLY RATE

The charge per Point of Delivery (POD)* is:

Distribution Charge	2.982 ¢ 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 POD 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

6.338 ¢ 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 POD 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 ⁽¹⁾	Straight Time	Overtime
	\$140.00 per hour	\$203.00 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	10.07	(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	\$ 12.20	(I)
	70	4,332	24	13.31	(R)
HADCO Acorn LED	70	5,120	24	16.95	(R)
Westbrooke (Non-Flared) LED	36	3,369	12	15.32	(I)
	53	5,079	18	16.98	
	69	6,661	24	16.62	
	85	8,153	29	17.57	
	136	12,687	46	20.24	
	206	18,159	70	21.48	
Westbrooke (Flared) LED	36	3,369	12	15.68	(I)
	53	5,079	18	17.52	(R)
	69	6,661	24	18.06	(I)
	85	8,153	29	19.10	(I)
	136	12,687	46	19.86	(R)
	206	18,159	70	22.76	(I)
Post-Top, American Revolution LED	45	3,395	15	7.83	
	72	4,409	25	7.96	(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⁽¹⁾ Per Luminaire</u>	
Cobrahead Mercury Vapor	175	7,000	66	\$ 8.91 ⁽²⁾	(R)
	400	21,000	147	14.59 ⁽²⁾	(R)
	1,000	55,000	374	29.20 ⁽²⁾	(I)
HPS	70	6,300	30	6.67 ⁽²⁾	(R)
	100	9,500	43	7.50	
	150	16,000	62	8.81	
	200	22,000	79	10.27	
	250	29,000	102	11.60	
	310	37,000	124	13.36 ⁽²⁾	
	400	50,000	163	15.54	
Flood , HPS	100	9,500	43	7.39 ⁽²⁾	
	200	22,000	79	10.48 ⁽²⁾	
	250	29,000	102	11.89	
	400	50,000	163	15.76	
Shoebox, HPS (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	7.98	
	100	9,500	43	8.50	
	150	16,500	62	10.02	(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⁽¹⁾ Per Luminaire</u>
Special Acorn Type, HPS	100	9,500	43	\$ 10.75
HADCO Victorian, HPS	150	16,500	62	11.95
	200	22,000	79	13.69
	250	29,000	102	15.14
Early American Post-Top, HPS, Black	100	9,500	43	7.88
Special Types				
Cobrahead, Metal Halide	150	10,000	60	9.10
Cobrahead, Metal Halide	175	12,000	71	9.87
Flood, Metal Halide	350	30,000	139	14.26
Flood, Metal Halide	400	40,000	156	15.52
Flood, HPS	750	105,000	285	26.69
HADCO Independence, HPS	100	9,500	43	10.90
	150	16,000	62	12.10
HADCO Capitol Acorn, HPS	100	9,500	43	14.33
	150	16,000	62	14.26
	200	22,000	79	15.36
	250	29,000	102	16.79
HADCO Techtra, HPS	100	9,500	43	19.21
	150	16,000	62	20.19
	250	29,000	102	22.55
HADCO Westbrooke, HPS	70	6,300	30	12.45
	100	9,500	43	12.86
	150	16,000	62	18.59
	200	22,000	79	15.32
	250	29,000	102	17.34
Holophane Mongoose, HPS	150	16,000	62	12.33

(R)

(R)

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 515 (Continued)

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

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate⁽¹⁾ Per Luminaire</u>	
Acorn					
LED	60	5,488	21	\$ 11.74	(R)
	70	4,332	24	12.86	
HADCO LED	70	5,120	24	16.49	
Cobrahead					
LED	37	2,530	13	4.02	
	50	3,162	17	4.25	
	52	3,757	18	4.66	
	67	5,050	23	5.02	
	106	7,444	36	6.13	(R)
	134	14,200	46	9.61	(I)
	156	16,300	53	10.56	(R)
	176	18,300	60	11.88	(I)
	201	21,400	69	11.95	
Westbrooke LED (Non-Flare)	36	3,369	12	14.86	
	53	5,079	18	16.52	
	69	6,661	24	16.16	(I)
	85	8,153	29	17.11	(R)
	136	12,687	46	19.78	
	206	18,159	70	21.02	(R)
Westbrooke LED (Flare)	36	3,369	12	15.22	(I)
	53	5,079	18	17.07	(R)
	69	6,661	24	17.60	(R)
	85	8,153	29	18.64	(I)
	136	12,687	46	19.40	(R)
	206	18,159	70	22.30	
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	4.42	
	91	8,747	31	5.18	(R)
Post-Top, American Revolution					
LED	45	3,395	15	7.37	(I)
	72	4,409	25	7.50	(I)

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 515 (Continued)

MONTHLY RATE (Continued)
Rates for Area Light Poles⁽¹⁾

Type of Pole	Pole Length (feet)	Monthly Rate Per Pole	
Wood, Standard	35 or less	\$ 5.18	(I)
	40 to 55	6.17	(R)
Wood, Painted Underground	35 or less	5.18 ⁽²⁾	(I)
Wood, Curved laminated	30 or less	6.51 ⁽²⁾	
Aluminum, Regular	16	6.39	
	25	10.52	
	30	11.31	(I)
	35	12.59	(R)
Aluminum, Fluted Ornamental	14	9.50	(I)
Aluminum Davit	25	10.57	
	30	11.13	
	35	12.28	
	40	16.15	
Aluminum Double Davit	30	15.23	
Aluminum, Fluted Ornamental	16	10.24	
Aluminum, HADCO, Smooth Techtra Ornamental	18	19.69	
Aluminum, HADCO, Fluted Westbrooke	18	19.05	
Aluminum, HADCO, Smooth Westbrooke	18	19.64	
Concrete, Ameron Post-Top	25	17.79	
Fiberglass Fluted Ornamental; Black	14	11.00	
Fiberglass, Regular	Black	20	4.72
	Gray or Bronze	30	7.92
	Black, Gray, or Bronze	35	7.40
		35	7.40
Fiberglass, Anchor Base, Gray or Black	35	12.92	
Fiberglass, Direct Bury with Shroud	18	7.47	(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 Point of Delivery (POD)*:

<u>Basic Charge</u>			
Single Phase	\$20.00		(I)
Three Phase	\$29.00		(I)
<u>Distribution Charge</u>			
First 5,000 kWh	4.383 ¢ per kWh		(I)
Over 5,000 kWh	1.354 ¢ per kWh		(I)

* See Schedule 100 for applicable adjustments.

ESS CHARGES

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

ADJUSTMENTS

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

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

This optional schedule is applicable to Large Nonresidential Customers who have chosen to receive service from an Electricity Service Supplier (ESS), and: 1) served at Secondary 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 Point of Delivery (POD)*:

<u>Basic Charge</u>	\$30.00	(I)
<u>Distribution Charge</u>	7.400 ¢ per kWh	(I)

* See Schedule 100 for applicable adjustments.

MINIMUM CHARGE

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

REACTIVE DEMAND

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

ADJUSTMENTS

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

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

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

CHARACTER OF SERVICE

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

MONTHLY RATE

The sum of the following charges per Point of Delivery (POD)*:

<u>Basic Charge</u>		
Summer Months**	\$45.00	(I)
Winter Months**	No Charge	
<u>Distribution Charge</u>		
First 50 kWh per kW of Demand	8.225 ¢ per kWh	(I)
Over 50 kWh per kW of Demand	6.225 ¢ per kWh	(I)

* See Schedule 100 for applicable adjustments.

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

ESS CHARGES

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

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

AVAILABLE

In all territory served by the Company.

APPLICABLE

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

CHARACTER OF SERVICE

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

MONTHLY RATE

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

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>				
Three Phase Service	\$3,540.00	\$2,040.00	\$4,190.00	(I)
<u>Distribution Charge</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.52	\$1.48	\$1.48	(R)
Over 4,000 kW	\$1.21	\$1.17	\$1.17	(R)
per kW of monthly On-Peak Demand**	\$2.66	\$2.58	\$1.29	(R)(I)
<u>Generation Contingency Reserves Charges***</u>				
Spinning Reserves				
per kW of Reserved Capacity > 1,000 kW	\$0.234	\$0.234	\$0.234	
Supplemental Reserves				
per kW of Reserved Capacity > 1,000 kW	\$0.234	\$0.234	\$0.234	
<u>System Usage Charge</u>				
per kWh	0.002 ¢	0.000 ¢	0.000 ¢	(I)

* 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**	\$0.104	\$0.101	\$0.050	(I)
<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 Point of Delivery (POD)*:

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	\$3.60	(R)
Over 30 kW	\$3.50	(R)
per kW of monthly On-Peak Demand	\$2.66	(R)

System Usage Charge

per kWh	0.617 ¢	(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 POD.

**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 Point of Delivery (POD)*:

	<u>Delivery Voltage</u>		
	<u>Secondary</u>	<u>Primary</u>	
<u>Basic Charge</u>	\$590.00	\$490.00	(I)
<u>Distribution Charges**</u>			
The sum of the following:			
per kW of Facility Capacity			
First 200 kW	\$3.27	\$3.20	(R)(I)
Over 200 kW	\$2.07	\$2.00	(R)
per kW of monthly On-Peak Demand	\$2.66	\$2.58	(R)
<u>System Usage Charge</u>			
per kWh	(0.014) ¢	(0.015) ¢	(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 POD.

**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 Point of Delivery (POD)*:

	<u>Delivery Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
<u>Basic Charge</u>	\$3,540.00	\$2,040.00	\$4,190.00	(I)
<u>Distribution Charges**</u>				
The sum of the following:				
per kW of Facility Capacity				
First 4,000 kW	\$1.52	\$1.48	\$1.48	(R)
Over 4,000 kW	\$1.21	\$1.17	\$1.17	(R)
per kW of monthly on-peak Demand	\$2.66	\$2.58	\$1.29	(R)(I)
<u>System Usage Charge</u>				
per kWh	0.002 ¢	0.000 ¢	0.000 ¢	(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 POD.

**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 Point of Delivery (POD)*:

<u>Basic Charge</u>	\$6,600.00	(I)
<u>Distribution Charges**</u>		
The sum of the following:		
per kW of Facility Capacity		
First 4,000 kW	\$1.59	(I)
Over 4,000 kW	\$1.28	(I)
per kW of monthly on-peak Demand	\$2.58	(R)
<u>System Usage Charge</u>		
per kWh	(0.060) ¢	(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 POD.

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>	6.338 ¢ per kWh	(I)
<u>Energy Charge</u>	Provided by Energy Service Supplier	

NOVEMBER ELECTION WINDOW

The November Election Window begins at 2:00 p.m. on November 15th (or the following business day if the 15th 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 1st. Customers may notify the Company of a choice to change service options using the Company's website, PortlandGeneral.com/business

SCHEDULE 591 (Continued)

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rates	Straight Time	Overtime ⁽¹⁾
	\$140.00 per hour	\$203.00 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**

<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	*	\$ 3.19	\$ 1.90	(I)
	100	9,500	43	*	4.01	2.73	
	150	16,000	62	*	5.22	3.93	
	200	22,000	79	*	6.33	5.01	
	250	29,000	102	*	7.76	6.46	
	400	50,000	163	*	11.67	10.33	
Cobrahead, Non-Power Door	70	6,300	30	\$ 6.75	3.41	1.90	
	100	9,500	43	7.58	4.24	2.73	
	150	16,000	62	8.89	5.46	3.93	
	200	22,000	79	10.73	6.59	5.01	
	250	29,000	102	12.06	8.02	6.46	
	400	50,000	163	16.00	11.90	10.33	
Flood	250	29,000	102	12.35	8.06	6.46	
	400	50,000	163	16.22	11.93	10.33	
Early American Post-Top	100	9,500	43	7.95	4.29	2.73	
Shoebox (Bronze color, flat Lens, or drop lens, multi-volt)	70	6,300	30	8.06	3.59	1.90	
	100	9,500	43	8.58	4.38	2.73	
	150	16,000	62	10.09	5.62	3.93	

* 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

Type of Pole	Pole Length (feet)	Monthly Rates		
		Option A	Option B	
Fiberglass, Black, Bronze or Gray	20	\$ 4.79	\$ 0.15	(I)
Fiberglass, Black or Bronze	30	7.43	0.24	
Fiberglass, Gray	30	8.05	0.26	
Fiberglass, Smooth, Black or Bronze	18	5.04	0.16	
Fiberglass, Regular	18	4.21	0.13	
Black, Bronze, or Gray	35	7.50	0.24	
Wood, Standard	30 to 35	5.28	0.17	(I)
Wood, Standard	40 to 55	6.27	0.20	(R)

RATES FOR CUSTOM LIGHTING

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			
				Option A	Option B	Option C	
Special Acorn-Types							
HPS	100	9,500	43	\$ 11.20	\$ 4.68	\$ 2.73	(I)
HADCO Victorian, HPS	150	16,000	62	12.40	5.88	3.93	
	200	22,000	79	14.14	7.05	5.01	
	250	29,000	102	15.59	8.50	6.46	
HADCO Capitol Acorn, HPS	100	9,500	43	14.79	5.15	2.73	
	150	16,000	62	14.72	6.18	3.93	
	200	22,000	79	15.81	7.27	5.01	
	250	29,000	102	17.25	8.71	6.46	
Special Architectural Types							
HADCO Independence, HPS	100	9,500	43	11.35	4.69	2.73	
	150	16,000	62	12.55	5.89	3.93	
HADCO Techtra, HPS	100	9,500	43	19.67	5.79	2.73	
	150	16,000	62	20.65	6.96	3.93	
	250	29,000	102	23.01	9.47	6.46	
HADCO Westbrooke, HPS	70	6,300	30	12.91	4.18	*	
	100	9,500	43	13.32	4.95	2.73	(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	\$ 19.05	\$ 6.74	\$ 3.93	(I)
	200	22,000	79	15.78	7.26	5.01	
	250	29,000	102	17.80	8.78	6.46	
Special Types							
Flood, Metal Halide	350	30,000	139	14.72	10.56	8.81	
Flood, HPS	750	105,000	285	27.15	20.89	18.06	
Option C Only **							
Ornamental Acorn Twin	85	9,600	64	*	*	4.06	
Ornamental Acorn	55	2,800	21	*	*	1.33	
Ornamental Acorn Twin	55	5,600	42	*	*	2.66	
Composite, Twin	140	6,815	54	*	*	3.42	
	175	9,815	66	*	*	4.18	(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	\$ 10.65	\$ 0.34	(I)
	30	11.44	0.37	(I)
	35	12.71	0.41	(R)
Aluminum Davit	25	10.69	0.34	(I)
	30	11.26	0.36	
	35	12.40	0.40	
	40	16.31	0.52	
Aluminum Double Davit	30	15.36	0.49	
Aluminum, Fluted Ornamental	14	9.57	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 (feet)</u>	<u>Monthly Rates</u>		
		<u>Option A</u>	<u>Option B</u>	
Aluminum, HADCO, Smooth Techtra Ornamental	18	\$ 19.82	\$ 0.63	(I)
Aluminum, Fluted Ornamental	16	10.32	0.33	
Aluminum, HADCO, Fluted Westbrooke	18	19.18	0.61	
Aluminum, HADCO, Smooth Westbrooke	18	19.77	0.63	
Fiberglass, Fluted Ornamental Black	14	11.10	0.35	
Fiberglass, Anchor Base, Gray or Black	35	13.02	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	\$ 9.17	\$ 5.59	\$ 3.80	(I)
Cobrahead, Mercury Vapor	100	4,000	39	*	*	2.47	
	175	7,000	66	8.99	5.65	4.18	
	250	10,000	94	*	*	5.96	
	400	21,000	147	15.05	10.91	9.32	
	1,000	55,000	374	29.66	25.56	23.70	
Holophane Mongoose,	150	16,000	62	12.79	5.93	3.93	
HPS	250	29,000	102	14.77	8.39	*	(I)

* Not offered.

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 Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$ 7.71	*	*
Mercury Vapor	175	7,000	66	9.95	\$ 5.75	\$ 4.18
Special box, Anodized Aluminum						
Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	3.80
	70	6,300	30	*	*	1.90
	100	9,500	43	*	4.63	2.73
	150	16,000	62	*	5.85	3.93
	250	29,000	102	*	*	6.46
	400	50,000	163	*	*	10.33
Metal Halide	250	20,500	99	*	7.52	6.27
	400	40,000	156	*	11.14	*
Cobrahead, Metal Halide	175	12,000	71	*	6.16	4.50
Flood, Metal Halide	400	40,000	156	15.98	11.70	9.89
Cobrahead, Dual Wattage HPS						
70/100 Watt Ballast	100	9,500	43	*	4.26	*
100/150 Watt Ballast	100	9,500	43	*	4.26	*
100/150 Watt Ballast	150	16,000	62	*	5.48	3.93
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	6.32	3.93
KIM Archetype, HPS	250	29,000	102	*	8.90	6.46
	400	50,000	163	*	12.46	10.33

(I)

(II)

* Not offered

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			(I)
				Option A	Option B	Option C	
Special Acorn-Type, HPS	70	6,300	30	\$ 10.40	\$ 3.88	*	
Special GardCo Bronze Alloy							
HPS	70	5,000	30	*	*	\$ 1.90	
Mercury Vapor	175	7,000	66	*	*	4.18	
Early American Post-Top, HPS							
Black	70	6,300	30	7.06	3.40	1.90	
Rectangle Type	200	22,000	79	*	*	5.01	
Incandescent	92	1,000	31	*	*	1.96	
	182	2,500	62	*	*	3.93	
Town and Country Post-Top							
Mercury Vapor	175	7,000	66	9.35	5.69	4.18	
Flood, HPS	70	6,300	30	6.66	3.32	*	
	100	9,500	43	7.47	4.25	2.73	
	200	22,000	79	10.94	6.65	5.01	
Cobrahead, HPS							
Power Door	310	37,000	124	13.82	9.78	7.86	
Special Types Customer-Owned & Maintained							
Ornamental, HPS	100	9,500	43	*	*	2.73	
Twin ornamental, HPS	Twin 100	9,500	86	*	*	5.45	
Compact Fluorescent	28	N/A	12	*	*	0.76	

* Not offered.

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	\$ 6.47	*	(I)
Aluminum, Painted Ornamental	35	*	\$ 0.97	
Aluminum, Regular	16	6.47	0.21	
Bronze Alloy GardCo	12	*	0.19	
Concrete, Ornamental	35 or less	10.65	0.34	
Fiberglass, Direct Bury with Shroud	18	7.59	0.24	
Steel, Painted Regular **	25	10.65	0.34	
Steel, Painted Regular **	30	11.44	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	4.79	0.15	
Wood, Laminated Street Light Only	20	4.79	*	
Wood, Curved Laminated	30	6.62	0.24	
Wood, Painted Underground	35	5.28	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	*	\$ 2.73	\$ 2.03	(I)
	165	12,000	60	*	4.63	3.80	
	165	12,000	60	\$ 21.77	4.88	3.80	(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 Point of Delivery (POD)* is:

Distribution Charge

2.982 ¢ per kWh

(1)

* 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.

<u>Distribution Charge</u>	6.338 ¢ per kWh	(I)
<u>Energy Charge</u>	Provided by Energy Service Supplier	

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rates	Straight Time	Overtime ⁽¹⁾
	\$140.00 per hour	\$203.00 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	10.07	(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	\$ 12.20	(I)
	70	4,332	24	13.31	(R)
HADCO Acorn LED	70	5,120	24	16.95	(R)
Westbrooke (Non-Flared) LED	36	3,369	12	15.32	(I)
	53	5,079	18	16.98	
	69	6,661	24	16.62	
	85	8,153	29	17.57	
	136	12,687	46	20.24	
	206	18,159	70	21.48	
Westbrooke (Flared) LED	36	3,369	12	15.68	(I)
	53	5,079	18	17.52	(R)
	69	6,661	24	18.06	(I)
	85	8,153	29	19.10	(I)
	136	12,687	46	19.86	(R)
	206	18,159	70	22.76	(I)
Post-Top, American Revolution LED	45	3,395	15	7.83	
	72	4,409	25	7.96	(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	0.337 ¢ per kWh	Distribution Charge	(I)
15	0.548 ¢ per kWh	Distribution Charge	(I)
32	0.307 ¢ per kWh	Distribution Charge	(I)
38	0.352 ¢ per kWh	Distribution Charge	(I)
47	0.522 ¢ per kWh	Distribution Charge	(I)
49	0.375 ¢ per kWh	Distribution Charge	(I)
75			
Secondary	0.170 ¢ per kWh	System Usage Charge	(I)
Primary	0.167 ¢ per kWh	System Usage Charge	(I)
Subtransmission	0.165 ¢ per kWh	System Usage Charge	(I)

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	0.240 ¢ per kWh	System Usage Charge	(I)
85			
Secondary	0.201 ¢ per kWh	System Usage Charge	(I)
Primary	0.197 ¢ per kWh	System Usage Charge	(I)
89			
Secondary	0.170 ¢ per kWh	System Usage Charge	(I)
Primary	0.167 ¢ per kWh	System Usage Charge	(I)
Subtransmission	0.165 ¢ per kWh	System Usage Charge	(I)
90	0.153 ¢ per kWh	System Usage Charge	(I)
91	0.549 ¢ per kWh	Distribution Charge	(R)
92	0.219 ¢ per kWh	Distribution Charge	(I)
95	0.549 ¢ per kWh	Distribution Charge	(R)
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	0.045 ¢ per kWh	System Usage Charge	(R)
Subtransmission	0.045 ¢ per kWh	System Usage Charge	(R)
490	0.015 ¢ per kWh	System Usage Charge	(I)
491	0.412 ¢ per kWh	Distribution Charge	(R)
492	0.077 ¢ per kWh	Distribution Charge	(I)
495	0.412 ¢ per kWh	Distribution Charge	(R)

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	0.411 ¢ per kWh	Distribution Charge	(R)
532	0.145 ¢ per kWh	Distribution Charge	(I)
538	0.202 ¢ per kWh	Distribution Charge	(I)
549	0.188 ¢ per kWh	Distribution Charge	(I)
575			
Secondary	0.046 ¢ per kWh	System Usage Charge	(R)
Primary	0.045 ¢ per kWh	System Usage Charge	(R)
Subtransmission	0.045 ¢ per kWh	System Usage Charge	(R)
583	0.079 ¢ 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	0.045 ¢ per kWh	System Usage Charge	(R)
Subtransmission	0.045 ¢ per kWh	System Usage Charge	(R)
590	0.015 ¢ per kWh	System Usage Charge	(I)
591	0.412 ¢ per kWh	Distribution Charge	(R)
592	0.077 ¢ per kWh	Distribution Charge	(I)
595	0.412 ¢ per kWh	Distribution Charge	(R)

DO NOT BILL