



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

February 13, 2015

Public Utility Commission of Oregon
Attn: Filing Center
3930 Fairview Industrial Drive SE
P.O. Box 1088
Salem, OR 97308-1088

RE: Advice No. 15-03, Streetlighting Bill Code Clean Up

Portland General Electric (PGE) submits this filing pursuant to Oregon Revised Statutes 757.205 and 757.210, and Oregon Administrative Rules 860-022-0025 and 860-022-0030, for filing proposed tariff sheets associated with Tariff P.U.C. No. 18. In addition to the electronic filing, enclosed are the original and three courtesy copies with a requested effective date of **March 25, 2015**:

- Seventh Revision of Sheet No. 15-3
- Sixth Revision of Sheet No. 91-12
- Sixth Revision of Sheet No. 91-13
- Sixth Revision of Sheet No. 91-15
- Second Revision of Sheet No. 491-9
- Second Revision of Sheet No. 491-10
- Second Revision of Sheet No. 491-11
- Second Revision of Sheet No. 491-12
- Second Revision of Sheet No. 491-13
- Second Revision of Sheet No. 491-14
- Seventh Revision of Sheet No. 515-2
- Eighth Revision of Sheet No. 591-8
- Seventh Revision of Sheet No. 591-9
- Seventh Revision of Sheet No. 591-10
- Seventh Revision of Sheet No. 591-11
- Fifth Revision of Sheet No. 591-12
- Sixth Revision of Sheet No. 591-13

The purpose of this filing is to remove obsolete street and area lighting that are no longer being used. The proposed clean up removes bill codes for lights that are no longer in the field and have not been requested for at least two years by Customers.

As part of the Customer Engagement Transformation program, PGE is beginning the design and implementation process for a new Customer Information System. This clean up reduces the burden associated with programming existing bill codes into the new system. As a courtesy we are including red lined tariff sheets with the proposed changes as Attachment A.

Oregon Administrative Rules (OAR) 860-022-0025(2) and 860-022-0030(1) do not apply because this filing does not propose any prices.

Should you have any questions or comments regarding this filing, please contact Colin Wright at (503) 464-8011.

Please direct all formal correspondence and requests to the following email address pge.opuc.filings@pgn.com

Sincerely,

A handwritten signature in black ink, appearing to read "Karla Wenzel". The signature is fluid and cursive, written in a professional style.

Karla Wenzel
Manager, Pricing and Tariffs

Enclosures

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	\$ 12.75
	175	12,000	71	14.10
Flood, Metal Halide	350	30,000	139	22.55
	400	40,000	156	23.20
Flood, HPS	750	105,000	285	39.13
HADCO Independence, HPS	100	9,500	43	14.73
	150	16,000	62	16.39
HADCO Capitol Acorn, HPS	100	9,500	43	18.37
	150	16,000	62	20.26
	200	22,000	79	22.00
	250	29,000	102	24.38
HADCO Techtra, HPS	100	9,500	43	23.22
	150	16,000	62	24.69
	250	29,000	102	28.21
HADCO Westbrooke, HPS	70	6,300	30	16.07
	100	9,500	43	17.18
	150	16,000	62	19.15
	200	22,000	79	21.15
	250	29,000	102	23.37
Holophane Mongoose, HPS	150	16,000	62	17.02

(D)

(D)

(1) See Schedule 100 for applicable adjustments.

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, HADCO, Fluted Victorian Ornamental	14	\$ 12.11	\$ 0.28
Aluminum, HADCO, Non-Fluted Techtra Ornamental	18	23.82	0.54
Aluminum, HADCO, Fluted Ornamental	16	12.37	0.28
Aluminum, HADCO, Non-Fluted Ornamental	16	25.31	0.58
Aluminum, HADCO, Fluted Westbrooke	18	23.88	0.54
Aluminum, HADCO, Non-Fluted Westbrooke	18	25.31	0.58
Aluminum, Painted Ornamental	35	*	0.92
Concrete, Decorative Ameron	20	23.76	0.54
Concrete, Ameron Post-Top	25	23.76	0.54
Fiberglass, HADCO, Fluted Ornamental Black	14	14.64	0.33
Fiberglass, Smooth	18	6.07	0.14
Fiberglass, Regular			
color may vary	22	5.43	0.12
	35	8.91	0.20
Fiberglass, Anchor Base, Gray	35	16.26	0.37
Fiberglass, Direct Bury with Shroud	18	9.82	0.22

(C)

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, Mercury Vapor	100	4,000	39	*	*
	175	7,000	66	\$ 4.83	\$ 1.50
	250	10,000	94	*	*
	400	21,000	147	5.64	1.63
	1,000	55,000	374	6.27	1.94
Special Box Similar to GE "Space-Glo"					
HPS	70	6,300	30	6.35	*
Mercury Vapor	175	7,000	66	6.30	1.60

(C)

* 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	*	\$ 1.99
	150	16,000	62	*	2.01
	250	29,000	102	*	*
	400	50,000	163	*	*
Metal Halide					
	250	20,500	99	*	1.24
	400	40,000	156	*	1.24
Cobrahead, Metal Halide	175	12,000	71	*	1.71
Flood, Metal Halide	400	40,000	156	\$6.53	1.76
Cobrahead, Dual Wattage, HPS					
70/100 Watt Ballast	100	9,500	43	*	1.56
100/150 Watt Ballast	100	9,500	43	*	1.56
100/150 Watt Ballast	150	16,000	62	*	1.58
Special Architectural Types Including Philips QL Induction Lamp Systems					
HADCO Victorian, QL					
	85	6,000	32	*	0.74
	165	12,000	60	*	1.00
HADCO Techtra, QL	165	12,000	60	21.44	1.19
Special Architectural Types					
KIM SBC Shoebox, HPS	150	16,000	62	*	2.55
KIM Archetype, HPS	250	29,000	102	*	2.78
	400	50,000	163	*	2.20
Special Acorn-Type, HPS	70	6,300	30	9.64	2.07
Special GardCo Bronze Alloy					
HPS	70	5,000	30	*	*
Mercury Vapor	175	7,000	66	*	*
Special Acrylic Sphere					
Mercury Vapor	400	21,000	147	*	*

* Not offered.

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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	\$ 8.27	*
Bronze Alloy GardCo	12	*	\$ 0.17
Concrete, Ornamental	35 or less	13.72	0.31
Steel, Painted Regular **	25	13.72	0.31
Steel, Painted Regular **	30	14.82	0.34
Steel, Unpainted 6-foot Mast Arm **	30	*	0.31
Steel, Unpainted 6-foot Davit Arm **	30	*	0.31
Steel, Unpainted 8-foot Mast Arm **	35	*	0.34
Steel, Unpainted 8-foot Davit Arm **	35	*	0.34
Wood, Laminated without Mast Arm	20	6.09	0.14
Wood, Laminated Street Light Only	20	6.09	*
Wood, Curved Laminated	30	9.59	0.22
Wood, Painted Underground	35	6.93	0.16

(D)

* 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 491 (Continued)

RATES FOR STANDARD POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Fiberglass, Black	20	\$ 6.09	\$ 0.14
Fiberglass, Bronze	30	9.59	0.22
Fiberglass, Gray	30	10.35	0.24
Wood, Standard	30 to 35	6.93	0.16
Wood, Standard	40 to 55	9.07	0.21

RATES FOR CUSTOM LIGHTING

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Types						
HPS	100	9,500	43	\$ 11.69	\$ 4.12	\$ 2.02
HADCO Victorian, HPS	150	16,000	62	12.48	5.01	2.91
	200	22,000	79	13.99	5.93	3.71
	250	29,000	102	15.12	7.01	4.79
HADCO Capitol Acorn, HPS	100	9,500	43	15.33	4.57	2.02
	150	16,000	62	16.16	5.50	2.91
	200	22,000	79	16.95	6.29	3.71
	250	29,000	102	18.04	7.38	4.79
Special Architectural Types						
HADCO Independence, HPS	100	9,500	43	11.69	4.10	2.02
	150	16,000	62	12.29	4.97	2.91
HADCO Techtra, HPS	100	9,500	43	20.18	5.15	2.02
	150	16,000	62	20.59	5.99	2.91
	250	29,000	102	21.87	7.83	4.79
HADCO Westbrooke, HPS	70	6,300	30	13.76	3.83	*
	100	9,500	43	14.14	4.41	2.02
	150	16,000	62	15.06	5.32	2.91
	200	22,000	79	16.10	6.17	3.71
	250	29,000	102	17.03	7.24	4.79

* 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>
Special Types						
Cobrahead, Metal Halide	150	10,000	60	\$ 8.35	\$ 4.70	\$ 2.82
Flood, Metal Halide	350	30,000	139	14.14	8.67	6.52
Flood, HPS	750	105,000	285	22.57	16.00	13.38
Holophane Mongoose, HPS	150	16,000	62	12.92	5.06	2.91
	250	29,000	102	14.16	6.88	*
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	3.00
Ornamental Acorn	55	2,800	21	*	*	0.99
Ornamental Acorn Twin	55	5,600	42	*	*	1.97
Composite, Twin	140	6,815	54	*	*	2.53
	175	9,815	66	*	*	3.10

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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	16	\$ 8.27	\$ 0.19
	25	13.72	0.31
	30	14.82	0.34
	35	17.73	0.40
Aluminum Davit	25	13.69	0.31
	30	13.63	0.31
	35	14.90	0.34
	40	20.21	0.46
Aluminum Double Davit	30	20.11	0.46
Aluminum, HADCO, Fluted Victorian Ornamental	14	12.11	0.28

* 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, Non-Fluted Techtra Ornamental	18	\$ 23.82	\$ 0.54
Aluminum, HADCO, Fluted Ornamental	16	12.37	0.28
Aluminum, HADCO, Non-Fluted Ornamental Westbrooke	16	25.31	0.58
Aluminum, HADCO, Fluted Westbrooke	18	23.88	0.54
Aluminum, HADCO, Non-Fluted, Westbrooke	18	25.31	0.58
Aluminum, Painted Ornamental	35	*	0.92
Concrete, Decorative Ameron	20	23.76	0.54
Concrete, Ameron Post-Top	25	23.76	0.54
Fiberglass, HADCO, Fluted Ornamental Black	14	14.64	0.33
Fiberglass, Smooth	18	6.07	0.14
Fiberglass, Regular, color may vary	22	5.43	0.12
color may vary	35	8.91	0.20
Fiberglass, Anchor Base, Gray	35	16.26	0.37
Fiberglass, Direct Bury with Shroud	18	9.82	0.22

(C)

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, Mercury Vapor	100	4,000	39	*	*	\$ 1.83
	175	7,000	66	\$ 7.93	\$ 4.60	3.10
	250	10,000	94	*	*	4.41
	400	21,000	147	12.54	8.53	6.90
	1,000	55,000	374	23.82	19.49	17.55

* 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	\$ 7.76	*	*	(C)
Mercury Vapor	175	7,000	66	9.40	\$ 4.70	\$ 3.10	(T)
Special box, Anodized Aluminum Similar to GardCo Hub							
HPS	Twin 70	6,300	60	*	*	2.82	
	70	6,300	30	*	*	1.41	
	100	9,500	43	*	4.01	2.02	
	150	16,000	62	*	4.92	2.91	
	250	29,000	102	*	*	4.79	
	400	50,000	163	*	*	7.65	
Metal Halide	250	20,500	99	*	5.89	4.65	
	400	40,000	156	*	8.56	*	(C)
Cobrahead, Metal Halide	175	12,000	71	*	5.04	3.33	(C)
Flood, Metal Halide	400	40,000	156	13.85	9.08	7.32	
Cobrahead, Dual Wattage HPS							
70/100 Watt Ballast	100	9,500	43	*	3.58	*	(C)
100/150 Watt Ballast	100	9,500	43	*	3.58	*	(C)
100/150 Watt Ballast	150	16,000	62	*	4.49	2.91	
Special Architectural Types							
KIM SBC Shoebox, HPS	150	16,000	62	*	5.46	2.91	
KIM Archetype, HPS	250	29,000	102	*	7.57	4.79	
	400	50,000	163	*	9.85	7.65	

* 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 Acorn-Type, HPS	70	6,300	30	\$ 11.05	\$ 3.48	*	(C)
Special GardCo Bronze Alloy							
HPS	70	5,000	30	*	*	\$ 1.41	(T)
Mercury Vapor	175	7,000	66	*	*	3.10	(D)
Early American Post-Top, HPS							
Black	70	6,300	30	6.92	2.94	1.41	
Rectangle Type	200	22,000	79	*	*	3.71	
Incandescent	92	1,000	31	*	*	1.45	
	182	2,500	62	*	*	2.91	
Town and Country Post-Top							
Mercury Vapor	175	7,000	66	8.62	4.64	3.10	
Flood, HPS	70	6,300	30	6.18	2.85	*	(C)
	100	9,500	43	6.94	3.57	2.02	
	200	22,000	79	10.01	5.40	3.71	
Cobrahead, HPS							
Power Door	310	37,000	124	11.82	7.84	5.82	
Special Types Customer-Owned & Maintained							
Ornamental, HPS	100	9,500	43	*	*	2.02	
Twin ornamental, HPS	Twin 100	9,500	86	*	*	4.04	
Compact Fluorescent	28	N/A	12	*	*	0.56	

* 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	\$ 8.27	*
Bronze Alloy GardCo	12	*	\$ 0.17
Concrete, Ornamental	35 or less	13.72	0.31
Steel, Painted Regular **	25	13.72	0.31
Steel, Painted Regular **	30	14.82	0.34
Steel, Unpainted 6-foot Mast Arm **	30	*	0.31
Steel, Unpainted 6-foot Davit Arm **	30	*	0.31
Steel, Unpainted 8-foot Mast Arm **	35	*	0.34
Steel, Unpainted 8-foot Davit Arm **	35	*	0.34
Wood, Laminated without Mast Arm	20	6.09	0.14
Wood, Laminated Street Light Only	20	6.09	*
Wood, Curved Laminated	30	9.59	0.22
Wood, Painted Underground	35	6.93	0.16

* Not offered.

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

(D)

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	*	\$ 2.24	\$ 1.50
	165	12,000	60	*	3.82	2.82
	165	12,000	60	\$ 24.26	4.01	2.82

Advice No. 15-03

Issued February 13, 2015

James F. Lobdell, Senior Vice President

Effective for service on and after March 25, 2015

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	\$ 12.32
HADCO Victorian, HPS	150	16,500	62	13.12
	200	22,000	79	14.62
	250	29,000	102	15.75
Early American Post-Top, HPS, Black	100	9,500	43	8.69
Special Types				
Cobrahead, Metal Halide	150	10,000	60	9.40
Cobrahead, Metal Halide	175	12,000	71	10.13
Flood, Metal Halide	350	30,000	139	14.78
Flood, Metal Halide	400	40,000	156	14.48
Flood, HPS	750	105,000	285	23.21
HADCO Independence, HPS	100	9,500	43	12.33
	150	16,000	62	12.93
HADCO Capitol Acorn, HPS	100	9,500	43	15.97
	150	16,000	62	16.80
	200	22,000	79	17.59
	250	29,000	102	18.68
HADCO Techtra, HPS	100	9,500	43	20.82
	150	16,000	62	21.23
	250	29,000	102	22.51
HADCO Westbrooke, HPS	70	6,300	30	14.40
	100	9,500	43	14.78
	150	16,000	62	15.69
	200	22,000	79	16.74
	250	29,000	102	17.67
Holophane Mongoose, HPS	150	16,000	62	13.56

(D)

(D)

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 591 (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	20	\$ 6.09	\$ 0.14
Fiberglass, Bronze	30	9.59	0.22
Fiberglass, Gray	30	10.35	0.24
Wood, Standard	30 to 35	6.93	0.16
Wood, Standard	40 to 55	9.07	0.21

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	\$ 11.69	\$ 4.12	\$ 2.02
HADCO Victorian, HPS	150	16,000	62	12.48	5.01	2.91
	200	22,000	79	13.99	5.93	3.71
	250	29,000	102	15.12	7.01	4.79
HADCO Capitol Acorn, HPS	100	9,500	43	15.33	4.57	2.02
	150	16,000	62	16.16	5.50	2.91
	200	22,000	79	16.95	6.29	3.71
	250	29,000	102	18.04	7.38	4.79
Special Architectural Types						
HADCO Independence, HPS	100	9,500	43	11.69	4.10	2.02
	150	16,000	62	12.29	4.97	2.91
HADCO Techtra, HPS	100	9,500	43	20.18	5.15	2.02
	150	16,000	62	20.59	5.99	2.91
	250	29,000	102	21.87	7.83	4.79
HADCO Westbrooke, HPS	70	6,300	30	13.76	3.83	*
	100	9,500	43	14.14	4.41	2.02
	150	16,000	62	15.06	5.32	2.91
	200	22,000	79	16.10	6.17	3.71
	250	29,000	102	17.03	7.24	4.79

* 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>
Special Types						
Cobrahead, Metal Halide	150	10,000	60	\$ 8.35	\$ 4.70	\$ 2.82
Flood, Metal Halide	350	30,000	139	14.14	8.67	6.52
Flood, HPS	750	105,000	285	22.57	16.00	13.38
Holophane Mongoose, HPS	150	16,000	62	12.92	5.06	2.91
	250	29,000	102	14.16	6.88	*
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	3.00
Ornamental Acorn	55	2,800	21	*	*	0.99
Ornamental Acorn Twin	55	5,600	42	*	*	1.97
Composite, Twin	140	6,815	54	*	*	2.53
	175	9,815	66	*	*	3.10

(C)

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	16	\$ 8.27	\$ 0.19
	25	13.72	0.31
	30	14.82	0.34
	35	17.73	0.40
Aluminum Davit	25	13.69	0.31
	30	13.63	0.31
	35	14.90	0.34
	40	20.21	0.46
Aluminum Double Davit	30	20.11	0.46
Aluminum, HADCO, Fluted Victorian Ornamental	14	12.11	0.28

* 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, Non-Fluted Techtra Ornamental	18	\$ 23.82	\$ 0.54
Aluminum, HADCO, Fluted Ornamental	16	12.37	0.28
Aluminum, HADCO, Non-Fluted Ornamental Westbrooke	16	25.31	0.58
Aluminum, HADCO, Fluted Westbrooke	18	23.88	0.54
Aluminum, HADCO, Non-Fluted, Westbrooke	18	25.31	0.58
Aluminum, Painted Ornamental	35	*	0.92
Concrete, Decorative Ameron	20	23.76	0.54
Concrete, Ameron Post-Top	25	23.76	0.54
Fiberglass, HADCO, Fluted Ornamental Black	14	14.64	0.33
Fiberglass, Smooth	18	6.07	0.14
Fiberglass, Regular, color may vary	22	5.43	0.12
color may vary	35	8.91	0.20
Fiberglass, Anchor Base, Gray	35	16.26	0.37
Fiberglass, Direct Bury with Shroud	18	9.82	0.22

(C)

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, Mercury Vapor	100	4,000	39	*	*	\$ 1.83
	175	7,000	66	\$ 7.93	\$ 4.60	3.10
	250	10,000	94	*	*	4.41
	400	21,000	147	12.54	8.53	6.90
	1,000	55,000	374	23.82	19.49	17.55

* Not offered.

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			
				Option A	Option B	Option C	
Special Box Similar to GE "Space-Glo"							
HPS	70	6,300	30	\$ 7.76	*	*	(C)
Mercury Vapor	175	7,000	66	9.40	\$ 4.70	\$ 3.10	(T)
Special box, Anodized Aluminum Similar to GardCo Hub							
HPS	Twin 70	6,300	60	*	*	2.82	
	70	6,300	30	*	*	1.41	
	100	9,500	43	*	4.01	2.02	
	150	16,000	62	*	4.92	2.91	
	250	29,000	102	*	*	4.79	
	400	50,000	163	*	*	7.65	
Metal Halide	250	20,500	99	*	5.89	4.65	
	400	40,000	156	*	8.56	*	(C)
Cobrahead, Metal Halide	175	12,000	71	*	5.04	3.33	(C)
Flood, Metal Halide	400	40,000	156	13.85	9.08	7.32	
Cobrahead, Dual Wattage HPS							
70/100 Watt Ballast	100	9,500	43	*	3.58	*	(C)
100/150 Watt Ballast	100	9,500	43	*	3.58	*	(C)
100/150 Watt Ballast	150	16,000	62	*	4.49	2.91	
Special Architectural Types Including Philips QL Induction Lamp Systems							
HADCO Victorian, QL	85	6,000	32	*	\$ 2.24	\$ 1.50	
	165	12,000	60	*	3.82	2.82	
	165	12,000	60	\$ 24.26	4.01	2.82	
Special Architectural Types							
KIM SBC Shoebox, HPS	150	16,000	62	*	5.46	2.91	
KIM Archetype, HPS	250	29,000	102	*	7.57	4.79	
	400	50,000	163	*	9.85	7.65	

* Not offered

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates			
				Option A	Option B	Option C	
Special Acorn-Type, HPS	70	6,300	30	\$ 11.05	\$ 3.48	*	(C)
Special GardCo Bronze Alloy							
HPS	70	5,000	30	*	*	\$ 1.41	(T)
Mercury Vapor	175	7,000	66	*	*	3.10	
							(D)
Early American Post-Top, HPS							
Black	70	6,300	30	6.92	2.94	1.41	
Rectangle Type	200	22,000	79	*	*	3.71	
Incandescent	92	1,000	31	*	*	1.45	
	182	2,500	62	*	*	2.91	
Town and Country Post-Top							
Mercury Vapor	175	7,000	66	8.62	4.64	3.10	
Flood, HPS	70	6,300	30	6.18	2.85	*	(C)
	100	9,500	43	6.94	3.57	2.02	
	200	22,000	79	10.01	5.40	3.71	
Cobrahead, HPS							
Power Door	310	37,000	124	11.82	7.84	5.82	
Special Types Customer-Owned & Maintained							
Ornamental, HPS	100	9,500	43	*	*	2.02	
Twin ornamental, HPS	Twin 100	9,500	86	*	*	4.04	
Compact Fluorescent	28	N/A	12	*	*	0.56	

* 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	\$ 8.27	*
Bronze Alloy GardCo	12	*	\$ 0.17
Concrete, Ornamental	35 or less	13.72	0.31
Steel, Painted Regular **	25	13.72	0.31
Steel, Painted Regular **	30	14.82	0.34
Steel, Unpainted 6-foot Mast Arm **	30	*	0.31
Steel, Unpainted 6-foot Davit Arm **	30	*	0.31
Steel, Unpainted 8-foot Mast Arm **	35	*	0.34
Steel, Unpainted 8-foot Davit Arm **	35	*	0.34
Wood, Laminated without Mast Arm	20	6.09	0.14
Wood, Laminated Street Light Only	20	6.09	*
Wood, Curved Laminated	30	9.59	0.22
Wood, Painted Underground	35	6.93	0.16

(D)

* Not offered.

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

PGE Advice No. 15-03
Attachment A
Red Lined Tariff Sheets

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	\$ 12.75
	175	12,000	71	14.10
Flood, Metal Halide	350	30,000	139	22.55
	400	40,000	156	23.20
Flood, HPS	750	105,000	285	39.13
HADCO Independence, HPS	100	9,500	43	14.73
	150	16,000	62	16.39
HADCO Capitol Acorn, HPS	100	9,500	43	18.37
	150	16,000	62	20.26
	200	22,000	79	22.00
	250	29,000	102	24.38
HADCO Techtra, HPS	100	9,500	43	23.22
	150	16,000	62	24.69
	250	29,000	102	28.21
HADCO Westbrooke, HPS	70	6,300	30	16.07
	100	9,500	43	17.18
	150	16,000	62	19.15
	200	22,000	79	21.15
	250	29,000	102	23.37
KIM Archetype, HPS	250	29,000	102	26.14
	400	50,000	163	27.68
Holophane Mongoose, HPS	150	16,000	62	17.02
	250	29,000	102	20.50

(1) See Schedule 100 for applicable adjustments.

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, HADCO, Fluted Victorian Ornamental	14	\$ 12.11	\$ 0.28
Aluminum, HADCO, Non-Fluted Techtra Ornamental	18	23.82	0.54
Aluminum, HADCO, Fluted Ornamental	16	12.37	0.28
Aluminum, HADCO, Non-Fluted Ornamental	16	25.31	0.58
Aluminum, HADCO, Fluted Westbrooke	18	23.88	0.54
Aluminum, HADCO, Non-Fluted Westbrooke	18	25.31	0.58
Aluminum, Painted Ornamental	35	40.67*	0.92
Concrete, Decorative Ameron	20	23.76	0.54
Concrete, Ameron Post-Top	25	23.76	0.54
Fiberglass, HADCO, Fluted Ornamental Black	14	14.64	0.33
Fiberglass, Smooth	18	6.07	0.14
Fiberglass, Regular			
color may vary	22	5.43	0.12
	35	8.91	0.20
Fiberglass, Anchor Base, Gray	35	16.26	0.37
Fiberglass, Direct Bury with Shroud	18	9.82	0.22

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, Mercury Vapor	100	4,000	39	*	*
	175	7,000	66	\$ 4.83	\$ 1.50
	250	10,000	94	*	*
	400	21,000	147	5.64	1.63
	1,000	55,000	374	6.27	1.94
Special Box Similar to GE "Space-Glo"					
HPS	70	6,300	30	6.35	1.65*
Mercury Vapor	175	7,000	66	6.30	1.60

* 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	*	\$ 1.99
	150	16,000	62	*	2.01
	250	29,000	102	*	*
	400	50,000	163	*	*
Metal Halide					
	250	20,500	99	*	1.24
	400	40,000	156	*	1.24
Cobrahead, Metal Halide	175	12,000	71	\$ 5.74*	1.71
Flood, Metal Halide	400	40,000	156	\$ 6.53	1.76
Cobrahead, Dual Wattage, HPS					
70/100 Watt Ballast	100	9,500	43	*	1.56
100/150 Watt Ballast	100	9,500	43	*	1.56
100/150 Watt Ballast	150	16,000	62	*	1.58
Special Architectural Types Including Philips QL Induction Lamp Systems					
HADCO Victorian, QL	85	6,000	32	*	0.74
	165	12,000	60	*	1.00
HADCO Techtra, QL	165	12,000	60	21.44	1.19
Special Architectural Types					
KIM SBC Shoebox, HPS	150	16,000	62	*	2.55
KIM Archetype, HPS	250	29,000	102	*	2.78
	400	50,000	163	*	2.20
Special Acorn-Type, HPS	70	6,300	30	9.64	2.07
Special GardCo Bronze Alloy					
HPS	70	5,000	30	*	*
Mercury Vapor	175	7,000	66	*	*
Special Acrylic Sphere					
Mercury Vapor	400	21,000	147	*	*

* 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	\$ 8.27	*
Bronze Alloy GardCo	12	*	\$ 0.17
Concrete, Ornamental	35 or less	13.72	0.31
Steel, Painted Regular **	25	13.72	0.31
Steel, Painted Regular **	30	14.82	0.34
Steel, Unpainted 6-foot Mast Arm **	30	*	0.31
Steel, Unpainted 6-foot Davit Arm **	30	*	0.31
Steel, Unpainted 8-foot Mast Arm **	35	*	0.34
Steel, Unpainted 8-foot Davit Arm **	35	*	0.34
Wood, Laminated without Mast Arm	20	6.09	0.14
Wood, Laminated Street Light Only	20	6.09	*
Wood, Curved Laminated	30	9.59	0.22
Wood, Painted Underground	35	6.93	0.16
Wood, Painted Street Light Only	35	6.93	*

* 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 491 (Continued)

RATES FOR STANDARD POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Fiberglass, Black	20	\$ 6.09	\$ 0.14
Fiberglass, Bronze	30	9.59	0.22
Fiberglass, Gray	30	10.35	0.24
Wood, Standard	30 to 35	6.93	0.16
Wood, Standard	40 to 55	9.07	0.21

RATES FOR CUSTOM LIGHTING

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Types						
HPS	100	9,500	43	\$ 11.69	\$ 4.12	\$ 2.02
HADCO Victorian, HPS	150	16,000	62	12.48	5.01	2.91
	200	22,000	79	13.99	5.93	3.71
	250	29,000	102	15.12	7.01	4.79
HADCO Capitol Acorn, HPS	100	9,500	43	15.33	4.57	2.02
	150	16,000	62	16.16	5.50	2.91
	200	22,000	79	16.95	6.29	3.71
	250	29,000	102	18.04	7.38	4.79
Special Architectural Types						
HADCO Independence, HPS	100	9,500	43	11.69	4.10	2.02
	150	16,000	62	12.29	4.97	2.91
HADCO Techtra, HPS	100	9,500	43	20.18	5.15	2.02
	150	16,000	62	20.59	5.99	2.91
	250	29,000	102	21.87	7.83	4.79
HADCO Westbrooke, HPS	70	6,300	30	13.76	3.83	1.41*
	100	9,500	43	14.14	4.41	2.02
	150	16,000	62	15.06	5.32	2.91
	200	22,000	79	16.10	6.17	3.71
	250	29,000	102	17.03	7.24	4.79

* 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>
Special Types						
Cobrahead, Metal Halide	150	10,000	60	\$ 8.35	\$ 4.70	\$ 2.82
Flood, Metal Halide	350	30,000	139	14.14	8.67	6.52
Flood, HPS	750	105,000	285	22.57	16.00	13.38
Holophane Mongoose, HPS	150	16,000	62	12.92	5.06	2.91
	250	29,000	102	14.16	6.88	4.79*
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	3.00
Ornamental Acorn	55	2,800	21	*	*	0.99
Ornamental Acorn Twin	55	5,600	42	*	*	1.97
Composite, Twin	140	6,815	54	*	*	2.53
	175	9,815	66	*	*	3.10

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	16	\$ 8.27	\$ 0.19
	25	13.72	0.31
	30	14.82	0.34
	35	17.73	0.40
Aluminum Davit	25	13.69	0.31
	30	13.63	0.31
	35	14.90	0.34
	40	20.21	0.46
Aluminum Double Davit	30	20.11	0.46
Aluminum, HADCO, Fluted Victorian Ornamental	14	12.11	0.28

* 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, Non-Fluted Techtra Ornamental	18	\$ 23.82	\$ 0.54
Aluminum, HADCO, Fluted Ornamental	16	12.37	0.28
Aluminum, HADCO, Non-Fluted Ornamental Westbrooke	16	25.31	0.58
Aluminum, HADCO, Fluted Westbrooke	18	23.88	0.54
Aluminum, HADCO, Non-Fluted, Westbrooke	18	25.31	0.58
Aluminum, Painted Ornamental	35	40.67*	0.92
Concrete, Decorative Ameron	20	23.76	0.54
Concrete, Ameron Post-Top	25	23.76	0.54
Fiberglass, HADCO, Fluted Ornamental Black	14	14.64	0.33
Fiberglass, Smooth	18	6.07	0.14
Fiberglass, Regular, color may vary	22	5.43	0.12
color may vary	35	8.91	0.20
Fiberglass, Anchor Base, Gray	35	16.26	0.37
Fiberglass, Direct Bury with Shroud	18	9.82	0.22

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, Mercury Vapor	100	4,000	39	*	*	\$ 1.83
	175	7,000	66	\$ 7.93	\$ 4.60	3.10
	250	10,000	94	*	*	4.41
	400	21,000	147	12.54	8.53	6.90
	1,000	55,000	374	23.82	19.49	17.55

* Not offered.

SCHEDULE 491 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$ 7.76	\$ 3.06 *	\$ 1.41 *
Mercury Vapor	175	7,000	66	9.40	<u>\$ 4.70</u>	<u>\$ 3.10</u>
Special box, Anodized Aluminum Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	2.82
	70	6,300	30	*	*	1.41
	100	9,500	43	*	4.01	2.02
	150	16,000	62	*	4.92	2.91
	250	29,000	102	*	*	4.79
	400	50,000	163	*	*	7.65
Metal Halide	250	20,500	99	*	5.89	4.65
	400	40,000	156	*	8.56	7.32 *
Cobrahead, Metal Halide	175	12,000	71	9.07 *	5.04	3.33
Flood, Metal Halide	400	40,000	156	13.85	9.08	7.32
Cobrahead, Dual Wattage HPS						
70/100 Watt Ballast	100	9,500	43	*	3.58	2.02 *
100/150 Watt Ballast	100	9,500	43	*	3.58	2.02 *
100/150 Watt Ballast	150	16,000	62	*	4.49	2.91
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	5.46	2.91
KIM Archetype, HPS	250	29,000	102	*	7.57	4.79
	400	50,000	163	*	9.85	7.65

* Not offered

SCHEDULE 491 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Acorn-Type, HPS	70	6,300	30	\$ 11.05	\$ 3.48	\$ 1.44 *
Special GardCo Bronze Alloy						
HPS	70	5,000	30	*	*	\$ 1.41
Mercury Vapor	175	7,000	66	*	*	3.10
Special Acrylic Sphere						
Mercury Vapor	400	21,000	147	*	*	6.90
Early American Post-Top, HPS						
Black	70	6,300	30	6.92	2.94	1.41
Rectangle Type	200	22,000	79	*	*	3.71
Incandescent	92	1,000	31	*	*	1.45
	182	2,500	62	*	*	2.91
Town and Country Post-Top						
Mercury Vapor	175	7,000	66	8.62	4.64	3.10
Flood, HPS	70	6,300	30	6.18	2.85	1.44 *
	100	9,500	43	6.94	3.57	2.02
	200	22,000	79	10.01	5.40	3.71
Cobrahead, HPS						
Power Door	310	37,000	124	11.82	7.84	5.82
Special Types Customer-Owned & Maintained						
Ornamental, HPS	100	9,500	43	*	*	2.02
Twin ornamental, HPS	Twin 100	9,500	86	*	*	4.04
Compact Fluorescent	28	N/A	12	*	*	0.56

* 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	\$ 8.27	*
Bronze Alloy GardCo	12	*	\$ 0.17
Concrete, Ornamental	35 or less	13.72	0.31
Steel, Painted Regular **	25	13.72	0.31
Steel, Painted Regular **	30	14.82	0.34
Steel, Unpainted 6-foot Mast Arm **	30	*	0.31
Steel, Unpainted 6-foot Davit Arm **	30	*	0.31
Steel, Unpainted 8-foot Mast Arm **	35	*	0.34
Steel, Unpainted 8-foot Davit Arm **	35	*	0.34
Wood, Laminated without Mast Arm	20	6.09	0.14
Wood, Laminated Street Light Only	20	6.09	*
Wood, Curved Laminated	30	9.59	0.22
Wood, Painted Underground	35	6.93	0.16
Wood, Painted Street Light Only	35	6.93	*

* 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	*	\$ 2.24	\$ 1.50
	165	12,000	60	*	3.82	2.82
	165	12,000	60	\$ 24.26	4.01	2.82

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	\$ 12.32
HADCO Victorian, HPS	150	16,500	62	13.12
	200	22,000	79	14.62
	250	29,000	102	15.75
Early American Post-Top, HPS, Black	100	9,500	43	8.69
Special Types				
Cobrahead, Metal Halide	150	10,000	60	9.40
Cobrahead, Metal Halide	175	12,000	71	10.13
Flood, Metal Halide	350	30,000	139	14.78
Flood, Metal Halide	400	40,000	156	14.48
Flood, HPS	750	105,000	285	23.21
HADCO Independence, HPS	100	9,500	43	12.33
	150	16,000	62	12.93
HADCO Capitol Acorn, HPS	100	9,500	43	15.97
	150	16,000	62	16.80
	200	22,000	79	17.59
	250	29,000	102	18.68
HADCO Techtra, HPS	100	9,500	43	20.82
	150	16,000	62	21.23
	250	29,000	102	22.51
HADCO Westbrooke, HPS	70	6,300	30	14.40
	100	9,500	43	14.78
	150	16,000	62	15.69
	200	22,000	79	16.74
	250	29,000	102	17.67
KIM Archetype, HPS	250	29,000	102	20.44
	400	50,000	163	18.57
Holophane Mongoose, HPS	150	16,000	62	13.56
	250	29,000	102	14.80

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 591 (Continued)

RATES FOR STANDARD POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Fiberglass, Black	20	\$ 6.09	\$ 0.14
Fiberglass, Bronze	30	9.59	0.22
Fiberglass, Gray	30	10.35	0.24
Wood, Standard	30 to 35	6.93	0.16
Wood, Standard	40 to 55	9.07	0.21

RATES FOR CUSTOM LIGHTING

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Types						
HPS	100	9,500	43	\$ 11.69	\$ 4.12	\$ 2.02
HADCO Victorian, HPS	150	16,000	62	12.48	5.01	2.91
	200	22,000	79	13.99	5.93	3.71
	250	29,000	102	15.12	7.01	4.79
HADCO Capitol Acorn, HPS	100	9,500	43	15.33	4.57	2.02
	150	16,000	62	16.16	5.50	2.91
	200	22,000	79	16.95	6.29	3.71
	250	29,000	102	18.04	7.38	4.79
Special Architectural Types						
HADCO Independence, HPS	100	9,500	43	11.69	4.10	2.02
	150	16,000	62	12.29	4.97	2.91
HADCO Techtra, HPS	100	9,500	43	20.18	5.15	2.02
	150	16,000	62	20.59	5.99	2.91
	250	29,000	102	21.87	7.83	4.79
HADCO Westbrooke, HPS	70	6,300	30	13.76	3.83	4.41*
	100	9,500	43	14.14	4.41	2.02
	150	16,000	62	15.06	5.32	2.91
	200	22,000	79	16.10	6.17	3.71
	250	29,000	102	17.03	7.24	4.79

* 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>
Special Types						
Cobrahead, Metal Halide	150	10,000	60	\$ 8.35	\$ 4.70	\$ 2.82
Flood, Metal Halide	350	30,000	139	14.14	8.67	6.52
Flood, HPS	750	105,000	285	22.57	16.00	13.38
Holophane Mongoose, HPS	150	16,000	62	12.92	5.06	2.91
	250	29,000	102	14.16	6.88	4.79*
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	3.00
Ornamental Acorn	55	2,800	21	*	*	0.99
Ornamental Acorn Twin	55	5,600	42	*	*	1.97
Composite, Twin	140	6,815	54	*	*	2.53
	175	9,815	66	*	*	3.10

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	16	\$ 8.27	\$ 0.19
	25	13.72	0.31
	30	14.82	0.34
	35	17.73	0.40
Aluminum Davit	25	13.69	0.31
	30	13.63	0.31
	35	14.90	0.34
	40	20.21	0.46
Aluminum Double Davit	30	20.11	0.46
Aluminum, HADCO, Fluted Victorian Ornamental	14	12.11	0.28

* 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, Non-Fluted Techtra Ornamental	18	\$ 23.82	\$ 0.54
Aluminum, HADCO, Fluted Ornamental	16	12.37	0.28
Aluminum, HADCO, Non-Fluted Ornamental Westbrooke	16	25.31	0.58
Aluminum, HADCO, Fluted Westbrooke	18	23.88	0.54
Aluminum, HADCO, Non-Fluted, Westbrooke	18	25.31	0.58
Aluminum, Painted Ornamental	35	40.67_*	0.92
Concrete, Decorative Ameron	20	23.76	0.54
Concrete, Ameron Post-Top	25	23.76	0.54
Fiberglass, HADCO, Fluted Ornamental Black	14	14.64	0.33
Fiberglass, Smooth	18	6.07	0.14
Fiberglass, Regular, color may vary	22	5.43	0.12
color may vary	35	8.91	0.20
Fiberglass, Anchor Base, Gray	35	16.26	0.37
Fiberglass, Direct Bury with Shroud	18	9.82	0.22

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, Mercury Vapor	100	4,000	39	*	*	\$ 1.83
	175	7,000	66	\$ 7.93	\$ 4.60	3.10
	250	10,000	94	*	*	4.41
	400	21,000	147	12.54	8.53	6.90
	1,000	55,000	374	23.82	19.49	17.55

* Not offered.

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$ 7.76	\$ 3.06 *	\$ 1.41 *
Mercury Vapor	175	7,000	66	9.40	<u>\$ 4.70</u>	<u>\$ 3.10</u>
Special box, Anodized Aluminum Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	2.82
	70	6,300	30	*	*	1.41
	100	9,500	43	*	4.01	2.02
	150	16,000	62	*	4.92	2.91
	250	29,000	102	*	*	4.79
	400	50,000	163	*	*	7.65
Metal Halide	250	20,500	99	*	5.89	4.65
	400	40,000	156	*	8.56	7.32 *
Cobrahead, Metal Halide	175	12,000	71	9.07 *	5.04	3.33
Flood, Metal Halide	400	40,000	156	13.85	9.08	7.32
Cobrahead, Dual Wattage HPS						
70/100 Watt Ballast	100	9,500	43	*	3.58	2.02 *
100/150 Watt Ballast	100	9,500	43	*	3.58	2.02 *
100/150 Watt Ballast	150	16,000	62	*	4.49	2.91
Special Architectural Types Including Philips QL Induction Lamp Systems						
HADCO Victorian, QL	85	6,000	32	*	\$ 2.24	\$ 1.50
	165	12,000	60	*	3.82	2.82
	165	12,000	60	\$ 24.26	4.01	2.82
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	5.46	2.91
KIM Archetype, HPS	250	29,000	102	*	7.57	4.79
	400	50,000	163	*	9.85	7.65

* Not offered

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Acorn-Type, HPS	70	6,300	30	\$ 11.05	\$ 3.48	\$ 1.41 *
Special GardCo Bronze Alloy						
HPS	70	5,000	30	*	*	\$ 1.41
Mercury Vapor	175	7,000	66	*	*	3.10
Special Acrylic Sphere						
Mercury Vapor	400	24,000	147	*	*	6.90
Early American Post-Top, HPS						
Black	70	6,300	30	6.92	2.94	1.41
Rectangle Type	200	22,000	79	*	*	3.71
Incandescent	92	1,000	31	*	*	1.45
	182	2,500	62	*	*	2.91
Town and Country Post-Top						
Mercury Vapor	175	7,000	66	8.62	4.64	3.10
Flood, HPS	70	6,300	30	6.18	2.85	1.41 *
	100	9,500	43	6.94	3.57	2.02
	200	22,000	79	10.01	5.40	3.71
Cobrahead, HPS						
Power Door	310	37,000	124	11.82	7.84	5.82
Special Types Customer-Owned & Maintained						
Ornamental, HPS	100	9,500	43	*	*	2.02
Twin ornamental, HPS	Twin 100	9,500	86	*	*	4.04
Compact Fluorescent	28	N/A	12	*	*	0.56

* 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	\$ 8.27	*
Bronze Alloy GardCo	12	*	\$ 0.17
Concrete, Ornamental	35 or less	13.72	0.31
Steel, Painted Regular **	25	13.72	0.31
Steel, Painted Regular **	30	14.82	0.34
Steel, Unpainted 6-foot Mast Arm **	30	*	0.31
Steel, Unpainted 6-foot Davit Arm **	30	*	0.31
Steel, Unpainted 8-foot Mast Arm **	35	*	0.34
Steel, Unpainted 8-foot Davit Arm **	35	*	0.34
Wood, Laminated without Mast Arm	20	6.09	0.14
Wood, Laminated Street Light Only	20	6.09	*
Wood, Curved Laminated	30	9.59	0.22
Wood, Painted Underground	35	6.93	0.16
Wood, Painted Street Light Only	35	6.93	*

* Not offered.

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