



**PINNACLE WEST**  
CAPITAL CORPORATION



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DOCUMENT CONTROL

August 30, 2002

Mr. Ernest Johnston  
Director, Utilities Division  
Arizona Corporation Commission  
1200 W. Washington  
Phoenix, Arizona 85007

RE: RATE SCHEDULES E-58 & E-47  
DOCKET NO. E-01345A-01-0470

Dear Mr. Johnson:

Pursuant to Decision No. 65120, attached, please find the Rate Schedules for E-58 and E-47.

Please call me if you or your staff have any questions.

Very truly yours,

Jana Van Ness  
Manager  
Regulatory Compliance

JVN/vld

Enclosure

cc: Docket Control, (Original and 10 copies)

Arizona Corporation Commission  
**DOCKETED**

AUG 30 2002

DOCKETED BY	<i>CR</i>
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ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 5, 1962

A.C.C. No. 5520  
 Canceling A.C.C. No. 5508  
 Tariff or Schedule No. E-47  
 Revision No. 43  
 Effective: August 22, 2002

DUSK TO DAWN LIGHTING SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To outdoor lighting which operates only from dusk to dawn where service can be supplied from the existing secondary overhead facilities of the Company.

The incandescent lighting charges (Part III A&B) are applicable and available only to those customers being served and those installations in service on April 21, 1983. The mercury vapor lighting charges (Part III A&B) are applicable and available only to those customers being served and those installations in service on June 1, 1987.

MONTHLY BILLI. SODIUM VAPOR LIGHTINGA. Company Owned Facilities where Company installs, owns, operates and maintains lighting facilities.

1.	5,800 lumen, 70 watt, high pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	\$9.82
2.	8,000 lumen, 55 watt, low pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	10.23
3.	9,500 lumen, 100 watt, high pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	11.15
4.	9,500 lumen, 100 watt, high pressure sodium lamp and architectural luminaire	9.83
5.	9,500 lumen, 100 watt, high pressure sodium lamp and acorn luminaire	17.48
6.	13,500 lumen, 90 watt, low pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	13.23
7.	16,000 lumen, 150 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	13.21
8.	16,000 lumen, 150 watt, high pressure sodium lamp and acorn luminaire	19.56
9.	22,500 lumen, 135 watt, low pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	15.58
10.	30,000 lumen, 250 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	17.10
11.	33,000 lumen, 180 watt, low pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	17.78
12.	50,000 lumen, 400 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	27.96
13.	30,000 lumen, 250 watt, high pressure sodium lamp and flood luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	30.56

(CONTINUED ON REVERSE SIDE)

I. SODIUM VAPOR LIGHTING (Continued)

14.	50,000 lumen, 400 watt, high pressure sodium lamp and flood luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	32.02
15.	30,000 lumen, 250 watt, high pressure sodium lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	33.86
16.	50,000 lumen, 400 watt, high pressure sodium lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	35.49

B. Customer Owned Facilities where customer installs and maintains lighting facilities and Company approves installation, operates and replaces lamps.

1.	5,800 lumen, 70 watt, high pressure sodium lamp and luminaire.	\$ 5.99
2.	8,000 lumen, 55 watt, low pressure sodium lamp and luminaire.	4.60
3.	9,500 lumen, 100 watt, high pressure sodium lamp and luminaire.	6.44
4.	9,500 lumen, 100 watt, high pressure sodium lamp and architectural luminaire.	6.18
5.	13,500 lumen, 90 watt, low pressure sodium lamp and luminaire.	5.80
6.	16,000 lumen, 150 watt, high pressure sodium lamp and luminaire.	6.10
7.	22,500 lumen, 135 watt, low pressure sodium lamp and luminaire.	7.44
8.	30,000 lumen, 250 watt, high pressure sodium lamp and luminaire.	11.47
9.	33,000 lumen, 180 watt, low pressure sodium lamp and luminaire.	8.94
10.	50,000 lumen, 400 watt, high pressure sodium lamp and luminaire.	13.67

II. METAL HALIDE LIGHTING

A. Company Owned Facilities

1.	13,000 lumen, 175 watt, metal halide lamp and architectural luminaire mounted on a bracket of 2 feet or less.	\$ 13.06
2.	21,000 lumen, 250 watt, metal halide lamp and architectural luminaire mounted on a bracket of 8 feet or less.	15.20
3.	36,000 lumen, 400 watt, metal halide lamp and architectural luminaire mounted on a bracket of 8 feet or less.	16.34
4.	21,000 lumen, 250 watt, metal halide lamp and flood light luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch steel pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	31.50
5.	36,000 lumen, 400 watt, metal halide lamp and flood light luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch steel pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	32.53
6.	21,000 lumen, 250 watt, metal halide lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	34.82

A. <u>Company Owned Facilities</u> (continued)		
7.	36,000 lumen, 400 watt, metal halide lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	35.97

B. <u>Customer Owned Facilities</u>		
1.	13,000 lumen, 175 watt, metal halide lamp and luminaire	\$ 9.85
2.	21,000 lumen, 250 watt, metal halide lamp and luminaire.	10.60
3.	36,000 lumen, 400 watt, metal halide lamp and luminaire.	11.69

III. FLUORESCENT LIGHTING

A. <u>Company Owned Facilities</u>		
1.	8,000 lumen, 100 watt, induction lamp and post top luminaire	\$ 11.66
2.	12,000 lumen, 165 watt, induction lamp and cobra head luminaire	12.43

B. <u>Customer Owned Facilities</u>		
1.	8,000 lumen, 100 watt, induction lamp and post top luminaire	\$ 2.25
2.	12,000 lumen, 165 watt, induction lamp and cobra head luminaire	3.39

IV. INCANDESCENT AND MERCURY VAPOR LIGHTING

A. <u>Company Owned Facilities</u>		
1.	4,000 lumen incandescent lamp and luminaire mounted on a bracket of 4 feet or less on existing pole	\$10.23
2.	7,000 lumen, 175 watt, mercury vapor lamp and luminaire mounted on a bracket of 6 feet or less on existing pole	10.33
3.	20,000 lumen, 400 watt, mercury vapor lamp and luminaire mounted on a bracket of 8 feet or less on existing pole	14.35

B. <u>Customer Owned Facilities</u>		
1.	4,000 lumen incandescent lamp and luminaire	\$ 3.78
2.	7,000 lumen, 175 watt, mercury vapor lamp & luminaire	4.97
3.	20,000 lumen, 400 watt, mercury vapor lamp & luminaire	9.47

V. CHARGES FOR OPTIONAL EQUIPMENT (Company Owned Facilities)

1.	Brackets over 8 feet and up to 16 feet in length (subject to availability)	\$ 1.21
2.	Overhead secondary line of 100 feet in length or underground if customer provides earthwork and conduit	1.21

3.	One wood pole of not over 30 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	4.82
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4.	Underground secondary line of 100 feet in length if company provides earthwork and conduit	4.82
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V. CHARGES FOR OPTIONAL EQUIPMENT (Company Owned Facilities) (continued)

5.	One wood pole of not over 35 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	6.07
6.	One wood pole of not over 40 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	7.69
7.	One metal or fiberglass pole of not over 30 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	7.27
8.	One square metal pole 23 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	8.18
9.	One square metal pole 34 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	10.96
10.	One square metal pole 38 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	19.86
11.	One 38-1/2 foot metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	9.74
12.	One 40-1/2 foot self-supporting/dead-end metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	22.51
13.	Additional maintenance charge for high pressure sodium lamp and luminaire, mounted on a bracket of 2 feet or less, that is not accessible by bucket-truck.	1.76
14.	Additional maintenance charge for metal halide lamp and luminaire, mounted on a bracket of 2 feet or less, that is not accessible by bucket-truck	3.53
15.	OFF-ON switch. Customer may request a control switch to be installed which will be at his expense and its use not affect the billing under this rate.	

Anchor Based Poles

1.	Anchor base, if provided and installed by Company. This charge is in addition to the following pole charges:	8.63
a.	One anchor based metal pole 28 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	17.82
b.	One anchor based square metal pole 27 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	20.03
c.	One anchor based square metal pole 31 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	21.94
d.	One anchor based square metal pole 37 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	24.70
2.	Four foot anchor base for acorn fixtures, if provided and installed by Company. This charge is in addition to the following pole charges:	8.03
a.	One anchor based fiberglass pole 12 feet in length for use with acorn luminaire and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	23.56
b.	One anchor based concrete pole 12 feet in length for use with acorn luminaire and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	29.40

(CONTINUED ON PAGE 5)

- NOTES:
1. 20,000 lumen lights should be mounted on 35 foot wood poles or 38-1/2 or 40-1/2 foot metal poles.
  2. 30,000 or 50,000 lumen lights should be mounted on 38-1/2 or 40-1/2 foot metal poles or on wood poles sufficient to provide a minimum luminaire mounting height of 34-1/2 feet.
  3. The architectural luminaire cannot be mounted on any pole except the square metal pole.
  4. The acorn luminaire can only be mounted on the 4 foot concrete anchor base, with either the 12 foot concrete pole or the 12 foot fiberglass pole.

VI. ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

1. The 4,000 and 7,000 lumen lamps use an open glass diffuser. All units are controlled by a photoelectric switch.
2. The Customer is not authorized to make connections to the lighting circuits or to make attachments.
3. Should a Customer request a relocation of a dusk-to-dawn lighting installation, the costs of such relocation shall be paid by the Customer.
4. The Customer is expected to notify the Company when lamp outages occur, or when photoelectric switch fails to operate.
5. The Company will use diligence in maintaining service; however, monthly bills will not be reduced because of lamp outages.
6. The Customer may cancel a lighting service agreement by payment of the monthly bill including the applicable tax adjustment, multiplied by the number of remaining months of the initial agreement, or the calculated installation and removal costs for the extension, whichever is lower.

SPECIAL FACILITIES

When Customer requests special (non-standard) Dusk-to-Dawn lighting facilities not provided by Company as standard, Company will use its best efforts to install, operate and maintain such facilities.

If the Company installs such special facilities, there will be an additional charge equal to 1-1/2 percent per month of the excess cost to the Company over standard facilities at time of installation and the maintenance of such facilities will be subject to time and ability to purchase replacement parts at reasonably equivalent prices of standard equipment. When the Company is currently using more than one standard for a particular type of installation, the excess cost to the Company shall be determined from the standard equipment with the highest cost within the range of standards for that particular type of installation.

The Customer may elect to substitute a one-time contribution in aid of construction equal to the excess costs in lieu of the additional charge.

The Company may decline to continue maintenance of special facilities due to inability to purchase replacement parts at reasonably equivalent prices of standard equipment. In this event, the Customer may elect to supply the required parts at no cost to the Company and the Company will then continue to maintain such facilities.

CONTRACT PERIOD

All Dusk-to-Dawn lighting installations will require a written agreement for service for three (3) years or longer at Company's option.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: August 1, 1986

A.C.C. No. 5521  
 Canceling A.C.C. No. 5512  
 Tariff or Schedule No. E-58  
 Revision No. 44  
 Effective: August 22, 2002

STREET LIGHTING SERVICE

AVAILABILITY

In those portions of cities, towns and unincorporated communities in which Company does a general retail electric business and where Company has installed a multiple or series street lighting system of adequate capacity for the service to be rendered.

APPLICATION

To service for lighting public streets, alleys, thoroughfares, public parks and playgrounds by use of Company's facilities where such service for the whole area is contracted for from Company by the city, town, other governmental entities, or a responsible person for unincorporated communities.

Service is from dusk to dawn and Company will own (except as provided below), operate, and maintain the street lighting system including lamps and glass replacements.

The Incandescent Lamps & Standards, the Mercury Vapor Lamp, Luminaire and Bracket, and the Underground Circuit Charges (Parts III, IV, & V of this rate schedule) are applicable and available only to those customers being served and those installations in service on November 1, 1986.

MONTHLY BILL

<u>RATE</u>	<u>Investment Cost Provided By</u>	
	<u>Company</u>	<u>Others</u>
I. <u>Sodium Vapor Lighting Charges:</u>		
A. <u>High Pressure Sodium Lamps, luminaires &amp; Brackets</u> (Lumens and wattages are nominal initial ratings)		
5,800 lumens, 70 watts, HPS	\$9.66	\$ 3.39
9,500 lumens, 100 watts, HPS	10.62	3.82
9,500 lumens, 100 watts, HPS, acorn luminaire	17.48	6.07
16,000 lumens, 150 watts, HPS	12.17	4.91
16,000 lumens, 150 watts, HPS, acorn luminaire	19.56	7.74
30,000 lumens, 250 watts, HPS	15.76	7.55
50,000 lumens, 400 watts, HPS	17.03	10.57
B. <u>Low Pressure Sodium Lamps, luminaires &amp; Brackets</u> (Lumens and wattages are nominal initial ratings)		
8,000 lumens, 55 watts, LPS	\$9.50	\$ 3.62
13,500 lumens, 90 watts, LPS	12.91	5.06
22,500 lumens, 135 watts, LPS	15.38	6.80
33,000 lumens, 180 watts, LPS	17.69	8.38
II. <u>Fluorescent Lighting Charges:</u>		
8,000 lumen, 100 watts, induction, post top luminaire	\$11.66	\$4.90
12,000 lumen, 165 watts, induction, cobra head	12.43	6.27
III. <u>Pole Charges:</u>		
1. An existing distribution pole suitable for street light use	\$ 1.05	\$ 1.05
2. A wood pole for street lighting only for light center mounting heights of 35 feet or less	6.28	1.05
3. A metal or fiberglass pole for light center mounting heights of 28 feet or less	7.32	1.05

(CONTINUED ON REVERSE SIDE)

III. Pole Charges (cont):

4.	A metal pole for light center mounting heights between 29 feet and 40 feet	9.94	1.05
5.	An anchor base used with Pole Types 3 or 4.	4.78	1.05
6.	A 12 foot fiberglass pole for use with acorn luminaire (must be used with anchor base #8 below)	23.56	3.60
7.	A 12 foot concrete pole for use with acorn luminaire (must be used with anchor base #8 below)	29.40	4.49
8.	A 4 foot concrete anchor base used with Pole Types 6 or 7	8.03	1.23

IV. Incandescent Lighting Charges:

		<u>Investment Cost Provided By</u>	
A.	<u>Lamps</u>	<u>Company</u>	<u>Others</u>
	1,000 lumen incandescent	\$ 3.40	\$ 3.40
	2,500 lumen incandescent	4.90	4.90
	4,000 lumen incandescent	6.88	6.88
	6,000 lumen incandescent	9.23	9.23
	10,000 lumen incandescent	14.86	14.86
B.	<u>Standards</u> (See "Special Provisions")		
	Type A	\$15.47	\$ 5.75
	Type B	11.22	4.73
	Type C	6.29	3.26
	Type D	4.30	2.70
	Type E	5.75	2.70
	Type F	3.61	---
	Type M	9.00	4.49
	Type N	6.29	---
	Type P	11.64	7.20

V. Mercury Vapor & Metal Halide Lighting Charges:

7,000 lumens, 175 watts, MV	\$ 8.91	\$ 5.11
11,000 lumens, 250 watts, MV	11.16	6.80
20,000 lumens, 400 watts, MV	17.52	9.93

VI. Underground Circuit Charges:

Per foot of cable, installed under paving	\$ 0.11062	---
Per foot of cable, not installed under paving	0.03934	---

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

(CONTINUED ON PAGE 3)

## SPECIAL PROVISIONS

### Facilities and Service

Street lighting facilities installed under this rate are of the type currently being furnished by Company as standard at the time service is initially requested. Company will maintain current street lighting construction standards and endeavor to keep abreast of all modern methods and practices.

The Company will use diligence in maintaining service. Monthly bills will not be reduced on account of lamp outages.

Presently installed units which do not conform to the above types will be billed in accordance with the type which is most nearly like such units.

High pressure sodium and low pressure sodium lighting owned by the Company shall be supplied only in the event of a new installation or an individual street light replacement. Conversion of existing street lighting systems to high or low pressure sodium shall be limited by individual contract provisions and availability of Company equipment.

### Special Facilities

When Customer requests special (non-standard) street lighting facilities not provided by Company as standard, Company will use its best efforts to install, operate and maintain such facilities.

If the Company installs such special facilities, there will be an additional charge equal to 1-1/2 percent per month of the excess cost to the Company over standard facilities at time of installation and the maintenance of such facilities will be subject to time and ability to purchase replacement parts at reasonably equivalent prices of standard equipment. When the Company is currently using more than one standard for a particular type of installation, the excess cost to the Company shall be determined from the standard equipment with the highest cost within the range of standards for that particular type of installation.

The Customer may elect to substitute a one-time contribution in aid of construction equal to the excess costs in lieu of the additional charge.

The Company may decline to continue maintenance of special facilities due to inability to purchase replacement parts at reasonably equivalent prices of standard equipment. In this event, the Customer may elect to supply the required parts at no cost to the Company and the Company will then continue to maintain such facilities.

### Extension of Street Lighting System

The Company will extend its standard street lighting system up to a distance of 300 feet for each additional lighting installation at the request of the customer. When the extension is underground the Customer will provide earthwork as specified in Section 6.1.2 of Schedule 3. The Company will provide the earthwork as specified in Section 6.1.2 of Schedule 3 at Customer's request for an additional monthly charge of 1-1/2 percent of its cost, or at option of Customer, a contribution in aid of construction equal to the cost of earthwork as specified in Section 6.1.2 of Schedule 3.

Additions to the street lighting system which are over 300 feet per installation or are of a non-standard nature not normally provided by the Company can be installed when the total cost to the Company of the installation does not exceed 6-1/2 times the annual revenue including the underground and/or special facilities charge. When the total cost to the Company of the installation does exceed 6-1/2 times the annual revenue, a monthly charge of 1-1/2 percent of the excess cost will be added to the billing in addition to any required special facilities charge and/or underground charge. Customer may elect to pay a contribution in aid of construction equal to such excess cost in lieu of the monthly charge of 1-1/2 percent.

Extensions to isolated areas requiring a substantial extension of the electric distribution system, as opposed to extension of the street lighting system, will require a special study to determine the conditions on which the Company will make such extension.

### Investment Cost Provided By Others

If the Customer elects to be billed under the column headed "Investment Cost Provided By Others", it must install the system at its own expense in accordance with the Company's specifications, or make a non-refundable advance to cover the Company's cost of installing the system. The Company will own, maintain and operate the system.

The Company's Incandescent Street Light Standards Are As Follows:

- Type A - Enclosed glass luminaire with 8-foot or less up-sweep bracket mounted on 35-foot anchor base monotube or fluted steel pole.
- Type B - Enclosed glass luminaire with 8-foot or less up-sweep bracket mounted on 35-foot embedded base metal pole.\*
- Type C - Enclosed glass luminaire with 14-foot or less bracket mounted on wood pole carrying only street lighting equipment.
- Type D - Enclosed glass luminaire with 14-foot or less bracket mounted on wood pole carrying distribution circuits, or on other type pole paid for under another standard charge.
- Type E - Open type unit with 4-foot bracket mounted on wood pole carrying only street lighting equipment.
- Type F - Open type unit with 4-foot bracket mounted on wood pole carrying distribution circuits.
- Type M - Enclosed glass luminaire with 6-foot or less up-sweep bracket mounted on 30-foot embedded base metal pole.\*
- Type N - Identical to Type M except customer makes a contribution of \$50 per light.
- Type P - Incandescent pole top luminaire mounted on 23-foot steel pipe pole.

\*Steel pipe or tubular steel at Company's option.

CONTRACT PERIOD

Ten (10) years or more, at option of Company.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.