

ORIGINAL



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BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

- GARY PIERCE, Chairman
- BOB STUMP
- SANDRA D. KENNEDY
- PAUL NEWMAN
- BRENDA BURNS

2011 FEB 11 P 2: 14

Arizona Corporation Commission

DOCKETED

AZ CORP COMMISSION  
DOCKET CONTROL

FEB 11 2011

DOCKETED BY

IN THE MATTER OF THE APPLICATION OF  
ARIZONA PUBLIC SERVICE COMPANY  
FOR A REQUEST TO REVISE RATE  
SCHEDULES E-47 AND E-58.

DOCKET NO. E-01345A-10-0133

AMENDED APPLICATION

On April 6, 2010 Arizona Public Service Company ("APS" or "Company") requested the Arizona Corporation Commission ("Commission") to approve the addition of twenty-two new fixtures and six new poles to the street and area lighting service offerings in Rate Schedules E-47 and E-58.

On August 13, 2010 APS amended the Application to request a method for adding additional fixtures and poles to Schedules E-47 and E-58 in the future without having to file individual applications with the Commission in each instance.

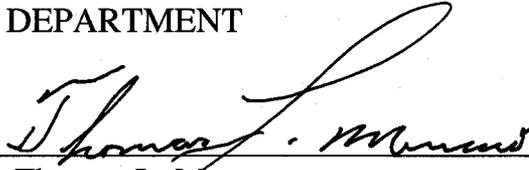
The E-47 and E-58 rate schedules included in this Amended Application reflect an updated fixed charge rate and discount rate, which APS uses to calculate monthly charges. Both of these financial parameters are consistent with the cost of capital determined in the Company's recent rate case under Decision No. 71448. The new charges and supporting information for schedules E-47 and E-58 are consistent with the Company's response to Staff Data Request 3.1 and 4.3 in this matter.

None of the proposed additions results in an increase in rates for any existing APS service. Although APS is waiving any requirement that the Commission act within thirty (30) days under A.R.S. Sections 40-250 (B) and 40-367, given the significant interest of APS

1 customers in obtaining these new more energy efficient services, APS requests that these be  
2 effective as soon as possible.

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8 RESPECTFULLY SUBMITTED this 11<sup>th</sup> day of February, 2011.

9  
10 PINNACLE WEST CAPITAL CORPORATION  
LAW DEPARTMENT

11  
12 By:   
13 Thomas L. Mumaw  
Meghan H. Grabel

14 Attorneys for Arizona Public Service Company

15 ORIGINAL and thirteen (13) copies  
16 of the foregoing filed this 1st day of  
February, 2011, with:

17 Docket Control  
18 ARIZONA CORPORATION COMMISSION  
19 1200 West Washington Street  
Phoenix, Arizona 85007

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21   
22 \_\_\_\_\_

Arizona Public Service Company  
Dusk to Dawn and Street Lighting  
New Product Costs

Line #	System	Lumens	Total Watts (a)	Monthly KWH/unit (b)	Installed Cost (\$) (c)	O&M \$/Month (d)	Energy \$/Month (f)	Dist. Sys. \$/Month (g)	MONTHLY COSTS		TOTAL (i)	
									Monthly Carrying Cost (h)	Monthly		
APS Owned, Investment by Company												
1	85 Watt Induction Post Top Copper SQ	6,000	85	29 \$	962.33 \$	0.58 \$	1.17 \$	1.02 \$	14.75 \$	17.52 E-47, E-58		
2	85 Watt Induction Acorn	6,000	85	29 \$	985.20 \$	0.58 \$	1.17 \$	1.02 \$	15.10 \$	17.87 E-47, E-58		
3	75 Watt Induction Cobra	6,200	75	26 \$	472.55 \$	0.58 \$	1.05 \$	0.91 \$	7.24 \$	9.78 E-47, E-58		
4	85 Watt Induction Cobra	6,400	85	29 \$	362.55 \$	0.58 \$	1.17 \$	1.02 \$	5.56 \$	8.33 E-47, E-58		
5	88 Watt Induction Cobra	8,000	88	30 \$	448.74 \$	0.58 \$	1.21 \$	1.05 \$	6.88 \$	9.72 E-47, E-58		
6	100 Watt Induction Cobra	8,400	100	34 \$	382.55 \$	0.58 \$	1.37 \$	1.20 \$	5.86 \$	9.01 E-47, E-58		
7	120 Watt Induction Cobra	10,200	120	41 \$	392.80 \$	0.58 \$	1.65 \$	1.44 \$	6.02 \$	9.69 E-47, E-58		
8	150 Watt Induction Cobra	13,000	150	52 \$	402.55 \$	0.58 \$	2.09 \$	1.83 \$	6.17 \$	10.67 E-47, E-58		
9	200 Watt Induction Cobra	15,250	200	69 \$	462.15 \$	0.58 \$	2.78 \$	2.43 \$	7.08 \$	12.87 E-47, E-58		
10	250 Watt Induction Cobra	22,500	250	86 \$	662.55 \$	0.58 \$	3.46 \$	3.02 \$	10.16 \$	17.22 E-47, E-58		
11	85 Watt Induction Shoebox Architectural Luminaire	6,200	85	29 \$	432.55 \$	0.58 \$	1.17 \$	1.02 \$	6.63 \$	9.40 E-47, E-58		
12	100 Watt Induction Shoebox Architectural Luminaire	8,400	100	34 \$	442.55 \$	0.58 \$	1.37 \$	1.20 \$	6.78 \$	9.93 E-47, E-58		
13	120 Watt Induction Shoebox Architectural Luminaire	10,200	120	41 \$	472.55 \$	0.58 \$	1.65 \$	1.44 \$	7.24 \$	10.91 E-47, E-58		
14	150 Watt Induction Shoebox Architectural Luminaire	13,000	150	52 \$	492.55 \$	0.58 \$	2.09 \$	1.83 \$	7.55 \$	12.05 E-47, E-58		
15	200 Watt Induction Shoebox Architectural Luminaire	20,500	200	69 \$	517.55 \$	0.58 \$	2.78 \$	2.43 \$	7.93 \$	13.72 E-47, E-58		
16	250 Watt Induction Shoebox Architectural Luminaire	22,500	265	91 \$	582.55 \$	0.58 \$	3.66 \$	3.20 \$	8.93 \$	16.37 E-47, E-58		
17	95 Watt LED Cobra	6,000	95	33 \$	832.55 \$	0.58 \$	1.33 \$	1.16 \$	12.76 \$	15.83 E-47, E-58		
18	142 Watt LED Cobra	8,700	142	49 \$	882.55 \$	0.58 \$	1.97 \$	1.72 \$	13.53 \$	17.80 E-47, E-58		
19	157 Watt LED Cobra	9,600	157	54 \$	932.55 \$	0.58 \$	2.17 \$	1.90 \$	14.29 \$	18.94 E-47, E-58		
20	94 Watt LED Shoebox Architectural	5,800	94	32 \$	882.55 \$	0.58 \$	1.29 \$	1.13 \$	13.53 \$	16.53 E-47, E-58		
21	127 Watt LED Shoebox Architectural	7,400	127	44 \$	982.55 \$	0.58 \$	1.77 \$	1.55 \$	15.06 \$	18.96 E-47, E-58		
22	203 Watt LED Shoebox Architectural	12,300	203	70 \$	1,161.27 \$	0.58 \$	2.82 \$	2.46 \$	17.80 \$	23.66 E-47, E-58		
23	Beta LED	11,600	181	62 \$	810.55 \$	0.58 \$	2.49 \$	2.18 \$	12.42 \$	17.67 E-47, E-58		
24	19' Round Hinged Base Mounted Pole Black and Silver			\$	823.00				11.93 \$	11.93 E-47, E-58		
25	15' Square hinged Base Mounted Pole			\$	911.00				13.20 \$	13.20 E-47, E-58		
26	25' Round Stepped, Type D, AB, Galv (pole)			\$	3,431.00				49.72 \$	49.72 E-47, E-58		
27	32' Round Stepped, Type D, AB, Galv (pole)			\$	3,613.00				52.36 \$	52.36 E-47, E-58		
28	28' X 8" Square AB, BZ (pole)			\$	1,963.46				28.45 \$	28.45 E-47, E-58		
29	32' X 8" Square, AB, BZ (pole)			\$	2,052.46				29.74 \$	29.74 E-47, E-58		

MONTHLY COSTS

	Lumens	Total Watts (a)	Monthly KWH/unit (b)	Installed Cost (\$) (c)	O&M \$/Month (d)	Energy \$/Month (f)	Dist. Sys. \$/Month (g)	Monthly Carrying Cost (h)	TOTAL (i)
<b>Investment By Others (IBO), Company Owned</b>									
30	6,000	85	29	\$127.13	\$ 0.58	\$ 1.17	\$ 1.02	\$ 1.95	\$ 4.72
31	6,000	85	29	\$130.15	\$ 0.58	\$ 1.17	\$ 1.02	\$ 2.00	\$ 4.77
32	6,200	75	26	\$62.43	\$ 0.58	\$ 1.05	\$ 0.91	\$ 0.96	\$ 3.50
33	6,400	85	29	\$47.90	\$ 0.58	\$ 1.17	\$ 1.02	\$ 0.74	\$ 3.51
34	8,000	88	30	\$59.28	\$ 0.58	\$ 1.21	\$ 1.05	\$ 0.91	\$ 3.75
35	8,400	100	34	\$50.54	\$ 0.58	\$ 1.37	\$ 1.20	\$ 0.78	\$ 3.93
36	10,200	120	41	\$51.89	\$ 0.58	\$ 1.65	\$ 1.44	\$ 0.80	\$ 4.47
37	13,000	150	52	\$53.18	\$ 0.58	\$ 2.09	\$ 1.83	\$ 0.82	\$ 5.32
38	15,250	200	69	\$61.05	\$ 0.58	\$ 2.78	\$ 2.43	\$ 0.94	\$ 6.73
39	22,500	250	86	\$87.53	\$ 0.58	\$ 3.46	\$ 3.02	\$ 1.35	\$ 8.41
40	6,200	85	29	\$57.14	\$ 0.58	\$ 1.17	\$ 1.02	\$ 0.88	\$ 3.65
41	8,400	100	34	\$58.46	\$ 0.58	\$ 1.37	\$ 1.20	\$ 0.90	\$ 4.05
42	10,200	120	41	\$62.43	\$ 0.58	\$ 1.65	\$ 1.44	\$ 0.96	\$ 4.63
43	13,000	150	52	\$65.07	\$ 0.58	\$ 2.09	\$ 1.83	\$ 1.00	\$ 5.50
44	20,500	200	69	\$68.37	\$ 0.58	\$ 2.78	\$ 2.43	\$ 1.05	\$ 6.84
45	22,500	265	91	\$76.96	\$ 0.58	\$ 3.66	\$ 3.20	\$ 1.18	\$ 8.62
46	6,000	95	33	\$109.99	\$ 0.58	\$ 1.33	\$ 1.16	\$ 1.69	\$ 4.76
47	8,700	142	49	\$116.59	\$ 0.58	\$ 1.97	\$ 1.72	\$ 1.79	\$ 6.06
48	9,600	157	54	\$123.20	\$ 0.58	\$ 2.17	\$ 1.90	\$ 1.89	\$ 6.54
49	5,800	94	32	\$116.59	\$ 0.58	\$ 1.29	\$ 1.13	\$ 1.79	\$ 4.79
50	7,400	127	44	\$129.80	\$ 0.58	\$ 1.77	\$ 1.55	\$ 1.99	\$ 5.89
51	12,300	203	70	\$153.41	\$ 0.58	\$ 2.82	\$ 2.46	\$ 2.36	\$ 8.22
52	11,600	181	62	\$107.08	\$ 0.58	\$ 2.49	\$ 2.18	\$ 1.65	\$ 6.90
53				\$ 67.15				\$ 0.97	\$ 0.97
54				\$ 74.33				\$ 1.08	\$ 1.08
55				\$ 279.93				\$ 4.06	\$ 4.06
56				\$ 294.78				\$ 4.27	\$ 4.27
57				\$ 160.19				\$ 2.32	\$ 2.32
58				\$ 167.46				\$ 2.43	\$ 2.43

MONTHLY COSTS

	Lumens	Total Watts (a)	Monthly KWH/unit (b)	Installed Cost (\$) (c)	MONTHLY COSTS				TOTAL (i)	
					O&M \$/Month (d)	Energy \$/Month (f)	Dist. Sys. \$/Month (g)	Monthly Carrying Cost (h)		
<b>Customer Owned</b>										
59	85 Watt Induction Post Top Copper SQ	6,000	85	29 \$	-	0.58 \$	1.17 \$	1.02 \$	-	2.77 E-47
60	85 Watt Induction Acorn	6,000	85	29 \$	-	0.58 \$	1.17 \$	1.02 \$	-	2.77 E-47
61	75 Watt Induction Cobra	6,200	75	26 \$	-	0.58 \$	1.05 \$	0.91 \$	-	2.54 E-47
62	85 Watt Induction Cobra	6,400	85	29 \$	-	0.58 \$	1.17 \$	1.02 \$	-	2.77 E-47
63	88 Watt Induction Cobra	8,000	88	30 \$	-	0.58 \$	1.21 \$	1.05 \$	-	2.84 E-47
64	100 Watt Induction Cobra	8,400	100	34 \$	-	0.58 \$	1.37 \$	1.20 \$	-	3.15 E-47
65	120 Watt Induction Cobra	10,200	120	41 \$	-	0.58 \$	1.65 \$	1.44 \$	-	3.67 E-47
66	150 Watt Induction Cobra	13,000	150	52 \$	-	0.58 \$	2.09 \$	1.83 \$	-	4.50 E-47
67	200 Watt Induction Cobra	15,250	200	69 \$	-	0.58 \$	2.78 \$	2.43 \$	-	5.79 E-47
68	250 Watt Induction Cobra	22,500	250	86 \$	-	0.58 \$	3.46 \$	3.02 \$	-	7.06 E-47
69	85 Watt Induction Shoebox Architectural Luminaire	6,200	85	29 \$	-	0.58 \$	1.17 \$	1.02 \$	-	2.77 E-47
70	100 Watt Induction Shoebox Architectural Luminaire	8,400	100	34 \$	-	0.58 \$	1.37 \$	1.20 \$	-	3.15 E-47
71	120 Watt Induction Shoebox Architectural Luminaire	10,200	120	41 \$	-	0.58 \$	1.65 \$	1.44 \$	-	3.67 E-47
72	150 Watt Induction Shoebox Architectural Luminaire	13,000	150	52 \$	-	0.58 \$	2.09 \$	1.83 \$	-	4.50 E-47
73	200 Watt Induction Shoebox Architectural Luminaire	20,500	200	69 \$	-	0.58 \$	2.78 \$	2.43 \$	-	5.79 E-47
74	250 Watt Induction Shoebox Architectural Luminaire	22,500	265	91 \$	-	0.58 \$	3.66 \$	3.20 \$	-	7.44 E-47
75	95 Watt LED Cobra	6,000	95	33 \$	-	0.58 \$	1.33 \$	1.16 \$	-	3.07 E-47
76	142 Watt LED Cobra	8,700	142	49 \$	-	0.58 \$	1.97 \$	1.72 \$	-	4.27 E-47
77	157 Watt LED Cobra	9,600	157	54 \$	-	0.58 \$	2.17 \$	1.90 \$	-	4.65 E-47
78	94 Watt LED Shoebox Architectural	5,800	94	32 \$	-	0.58 \$	1.29 \$	1.13 \$	-	3.00 E-47
79	127 Watt LED Shoebox Architectural	7,400	127	44 \$	-	0.58 \$	1.77 \$	1.55 \$	-	3.90 E-47
80	203 Watt LED Shoebox Architectural	12,300	203	70 \$	-	0.58 \$	2.82 \$	2.46 \$	-	5.86 E-47
81	Beta LED	11,600	181	62 \$	-	0.58 \$	2.49 \$	2.18 \$	-	5.25 E-47

**Redline**



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

AVAILABILITY

This rate schedule is available in all territory served by the Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the sites served.

APPLICATION

This rate schedule is applicable to outdoor lighting which operates only from dusk to dawn and where service can be supplied from the existing secondary facilities of the Company. Dusk is defined as the time between sunset and full night when a photocontrol senses the lack of sufficient sunlight and turns on the lights. Dawn is defined as the time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off lights.

RATES

The customer's bill shall be computed at the following rates for each type of standard facility and/or service utilized to provide outdoor lighting, plus any adjustments incorporated in this schedule:

I. FIXTURES (Includes Mounting Arm, if Applicable)

	Lumen	Watts	kWh	RATES	
				Company Owned	Customer Owned
A. Acorn	9,500 HPS	100	41	\$27.06	\$9.22
	16,000 HPS	150	69	30.04	11.65
	6,000 IND	85	29	17.87	2.77
B. Architectural	9,500 HPS	100	41	15.38	7.34
	16,000 HPS	150	69	17.96	9.82
	30,000 HPS	250	99	21.31	12.60
	50,000 HPS	400	153	26.29	18.13
	14,000 MH	175	72	21.51	11.79
	21,000 MH	250	101	24.42	14.54
	36,000 MH	400	159	30.54	20.00
	8,000 LPS	55	30	22.35	9.82
	13,500 LPS	90	50	26.36	11.84
	22,500 LPS	135	72	30.11	14.45
	33,000 LPS	180	90	36.22	17.02
	6,200 IND	85	29	9.40	2.77
	8,400 IND	100	34	9.93	3.15
	10,200 IND	120	41	10.91	3.67
	13,000 IND	150	52	12.05	4.50
	20,500 IND	200	69	13.72	5.79
	22,500 IND	265	91	16.37	7.44
5,800 LED	94	32	16.53	3.00	
7,400 LED	127	44	18.96	3.90	
12,300 LED	203	70	23.66	5.86	

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: David J. Rumolo  
Title: Manager, Regulation and Pricing  
Original Effective Date: November 5, 1962

A.C.C. No. 5745XXXX  
Canceling A.C.C. No. 56885745  
Rate Schedule E-47  
Revision No. 5051  
Effective: January 1, 2010XXXXXXXX



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

RATES (cont)

I. FIXTURES (Includes Mounting Arm, if Applicable (cont))

				RATES		
				Company Owned	Customer Owned	
		Lumen	Watts	kWh		
C. Cobra/Roadway		5,800 HPS	70	29	\$8.73	\$5.16
		9,500 HPS	100	41	10.28	6.32
		16,000 HPS	150	69	12.87	8.82
		30,000 HPS	250	99	15.52	11.46
		50,000 HPS	400	153	21.06	16.37
		14,000 MH	175	72	14.97	10.20
		21,000 MH	250	101	17.49	12.69
		36,000 MH	400	159	23.03	17.63
		8,000 FL	100	38	17.20	5.04
		6,200 IND	75	26	9.78	2.54
		6,400 IND	85	29	8.33	2.77
		8,000 IND	88	30	9.72	2.84
		8,400 IND	100	34	9.01	3.15
		10,200 IND	120	41	9.69	3.67
		13,000 IND	150	52	10.67	4.50
		15,250 IND	200	69	12.87	5.79
		22,500 IND	250	86	17.22	7.06
		6,000 LED	95	33	15.83	3.07
		8,700 LED	142	49	17.80	4.27
		9,600 LED	157	54	18.94	4.65
	11,600 B-LED	181	62	17.67	5.25	
D. Decorative Transit		9,500 HPS	100	41	\$37.09	\$11.11
		16,000 HPS	150	69	36.88	6.31
		30,000 HPS	250	99	42.46	16.02
E. Flood		30,000 HPS	250	99	20.61	12.81
		50,000 HPS	400	153	25.56	17.77
		21,000 MH	250	101	22.00	13.53
		36,000 MH	400	159	26.82	18.35
F. Post Top	Colonial Gray	8,000 FL	100	38	18.54	5.23
		9,500 HPS	100	41	10.60	6.65
	Colonial Black	9,500 HPS	100	41	12.21	6.88
	Decorative	9,500 HPS	100	41	32.47	10.24
	Copper Square	6,000 IND	85	29	17.52	2.77
G. FROZEN		4,000 INC	295	103	\$9.78	\$5.47
		7,000 MV	175	73	12.67	7.27
		20,000 MV	400	150	24.92	14.12
		Brackets over 8 ft. and up to 16 ft. in length			1.72	--



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

- NOTES:
1. Company Owned fixtures are those fixtures that the Company installs, owns, operates, and maintains.
  2. Customer Owned fixtures are those fixtures where the customer installs and maintains the lighting fixtures, and the Company approves the installation, operates the fixtures, and replaces Company standard lamps only.
  3. Listed kWhs reflect the assigned monthly energy usage for each type of fixture and are used to determine any applicable transmission, system benefit, distribution, energy, and adjustment charges.
  4. HPS = High Pressure Sodium
  5. MH = Metal Halide
  6. LPS = Low Pressure Sodium
  7. FL = Fluorescent
  8. INC = Incandescent. Incandescent lighting charges are applicable and available only to those customers being served and those installations in service on April 21, 1983.
  9. MV = Mercury Vapor. Mercury Vapor lighting charges are applicable and available only to those customers being served and those installation in service on June 1, 1987 in accordance with A.R.S. §49-1104(A).
  10. LED = Light Emitting Diode
  11. IND = Induction



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

RATES (cont)

**II. POLES**

				RATES	
				Height	Company Owned
A. Anchor Base Mounted (Flush)	Round Steel	1 Simplex Adapter	12 ft.	\$12.17	
			22 ft.	13.70	
			25 ft.	14.82	
			30 ft.	17.03	
			32 ft.	17.89	
	Round Steel	2 Simplex Adapters	12 ft.	12.98	
			22 ft.	14.91	
			25 ft.	15.55	
			30 ft.	18.07	
			32 ft.	19.28	
	Square Steel	5"	13 ft.	13.95	
			15 ft.	12.47	
			23 ft.	14.79	
			25 ft.	16.26	
			28 ft.	18.05	
			32 ft.	17.95	
	Concrete		12 ft.	41.58	
	Fiberglass		12 ft.	35.21	
Decorative Transit	4"	16 ft.	34.33		
Decorative Transit	6"	30 ft.	66.28		
<u>Hinged</u>	<u>Square</u>	<u>15 ft.</u>	<u>13.20</u>		
	<u>Round</u>	<u>19 ft.</u>	<u>11.93</u>		
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	11.71	
			22 ft.	13.24	
			25 ft.	14.35	
			30 ft.	16.58	
			32 ft.	17.41	
	Round Steel	2 Simplex Adapters	12 ft.	12.51	
			22 ft.	13.97	
			25 ft.	15.08	
			30 ft.	17.61	
			32 ft.	18.81	
		3 Bolt Arm	32 ft.	21.62	
	Square Steel	5"	13 ft.	13.50	
			15 ft.	13.80	
			23 ft.	14.32	
			25 ft.	15.80	
			28 ft.	17.56	
			32 ft.	18.23	



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

RATES (cont)

II. POLES (cont)

		Height	RATES Company Owned	
C. Direct Bury	Round Steel	19 ft.	\$18.42	
		30 ft.	14.38	
		38 ft.	17.55	
		Self Support	40 ft.	21.62
		Stepped	25 ft.	49.72
		Stepped	32 ft.	52.36
	Square Steel	4"	49 ft.	64.99
			34 ft.	15.87
		5"	20 ft.	15.07
			30 ft.	15.71
		8"	38 ft.	17.05
			28 ft.	28.45
		32 ft.	29.74	
	Decorative Transit	41 ft. 6 in.	20.47	
	Decorative Transit	47 ft.	25.50	
	Steel Distribution Pole (for lighting only)	35 ft.	23.54	
D. Post Top	Decorative Transit Anchor Base	16 ft.	35.07	
	Gray Steel/Fiberglass	23 ft.	12.16	
	Black Steel	23 ft.	13.41	
E. FROZEN	Wood Poles	30 ft.	\$8.95	
		35 ft.	8.95	
		40 ft.	12.73	

- NOTES:
1. All distribution lines required to serve dusk to dawn facilities are owned by the Company.
  2. Monthly rates for all new Company owned poles include up to 100 feet of overhead secondary wire, or up to 100 feet of underground secondary line if customer provides earthwork and conduit (excluding the overhead to underground transition). Any additional wire required (over and above the first 100 feet provided) to install fixtures is subject to the additional monthly wire charges specified in Section IV.1 below.
  3. When adding lighting fixtures to an existing Company owned pole, any and all additional distribution wire required is subject to the additional monthly wire charges specified in Section IV.1 below.
  4. Any and all distribution wire required to serve lighting facilities placed on a customer owned pole, whether new or existing, is subject to the additional monthly wire charges specified in Section IV.1 below.



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

**III. ANCHOR BASE**

		RATES	
		Height	Company Owned
A. Flush		4 ft.	\$9.91
		6 ft.	11.82
B. Pedestal		8 ft.	13.54
	For 32' Round Steel Pole only	4 ft. 6"	9.39

**IV. RATES FOR OPTIONAL OR ADDITIONAL EQUIPMENT**

		RATES
		Company Owned
1.	Each 100 feet of overhead secondary wire, or each 100 feet of underground secondary wire if customer provides earthwork and conduit.	\$3.50
2.	Additional maintenance charge for HPS lamp and luminaire that is not accessible by bucket truck.	2.80
3.	Additional maintenance charge for MH lamp and luminaire that is not accessible by bucket truck.	6.04



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

V. DETERMINATION OF RATES FOR NEW EQUIPMENT

Monthly rates for new lighting fixtures, poles and other equipment not included in Sections I, II, or III above shall be determined by the Company using the following method:

<u>Step 1</u> <u>Determination of monthly charges for each charge type</u>							<u>Monthly</u>
<u>Charge</u>	<u>Monthly</u>		<u>Cost</u>		<u>PV</u>		<u>Fixed</u>
<u>Type</u>	<u>Charge</u>	-	<u>Inputs</u>	-	<u>Factor</u>	-	<u>Charge</u>
		=					<u>Rate</u>
1	Carrying cost (fixtures)	=	Equipment cost (installed)	x	NA	x	1.533%
2	Lighting O&M	=	O&M cost ( lifecycle)	x	0.381	x	1.533%
3	Carrying cost (poles)	=	Equipment cost (installed)	x	NA	x	1.449%
Charge	<u>Monthly</u>		<u>kWh</u>		<u>\$/kWh</u>		
Type	<u>Charge</u>	=	<u>Input</u>				
4	Generation	=	kWh per month	x	0.04023		
5	T&D, RCS, system benefits	=	kWh per month	x	0.03516		

<u>Step 2</u> <u>Determination of Total Monthly Charge</u>	
<u>The total monthly charge shall be the summation of the charges for each applicable charge type.</u>	
<u>Equipment</u>	<u>Charge</u>
<u>Type</u>	<u>Type</u>
Fixtures - company owned	1,2,4,5
Fixtures - customer owned	2,4,5
Poles - company owned	3

ADJUSTMENTS

1. The bill is subject to the Renewable Energy Standard as set forth in the Company's Adjustment Schedule RES pursuant to Arizona Corporation Commission Decision No. 70313.
2. The bill is subject to the Power Supply Adjustment factor as set forth in the Company's Adjustment Schedule PSA-1 pursuant to Arizona Corporation Commission Decision No. 67744, Arizona Corporation Commission Decision No. 69663, and Arizona Corporation Commission No. 71448.
3. The bill is subject to the Transmission Cost Adjustment factor as set forth in the Company's Adjustment Schedule TCA-1 pursuant to Arizona Corporation Commission Decision No. 67744.
4. The bill is subject to the Environmental Improvement Surcharge as set forth in the Company's Adjustment Schedule EIS pursuant to Arizona Corporation Commission Decision No. 69663.
- ~~5. The bill is subject to the Competition Rules Compliance Charge as set forth in the Company's Adjustment Schedule CRCC 1 pursuant to Arizona Corporation Commission Decision No. 67744.~~
65. Direct Access customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge as set forth in the Company's Adjustment Schedule RCDAC-1 pursuant to Arizona Corporation Commission Decision No. 67744.

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: David J. Rumolo  
Title: Manager, Regulation and Pricing  
Original Effective Date: November 5, 1962

A.C.C. No. 5745XXXX  
Canceling A.C.C. No. 56885745  
Rate Schedule E-47  
Revision No. 5051  
Effective: January 1, 2010XXXXXXXX



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

76. The bill is subject to the Demand Side Management Adjustment charge as set forth in the Company's Adjustment Schedule DSMAC-1 pursuant to Arizona Corporation Commission Decision No. 71448.
87. The bill is subject to 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 APS 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.

**SPECIAL PROVISIONS (cont)**

3. Should a customer request relocation of a dusk-to-dawn lighting installation, the costs of such relocation shall be paid by the customer.
4. The Company cannot guarantee that all dusk to dawn facilities will always operate as intended. Therefore, the customer will be responsible for notifying the Company when the dusk to dawn facilities are not operating as intended. The Company will use reasonable efforts to complete normal maintenance (replacement of lamps, photocontrols or fixtures) within ten (10) working days from notification by customer; however, if the maintenance requires cable replacement or repairs, the Company shall use reasonable efforts to complete said repairs within twenty (20) working days.
5. The customer's bill will not be reduced due to lamp, photocontrol or cable repair or replacement outages.
6. The customer may cancel a lighting service agreement by payment of the 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.
7. Lighting equipment which is not specified in this rate schedule will be billed at the rates corresponding to the most similar equipment, as determined by the Company.





**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

AVAILABILITY

This rate schedule is available 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

This rate schedule is applicable to service for lighting public streets, alleys, thoroughfares, public parks and playgrounds from dusk to dawn by use of Company's facilities where such service for the entire area is contracted for from the Company by the city, town, other governmental agencies, or a responsible individual for unincorporated communities. Dusk is defined as the time between sunset and full night when a photocontrol senses the lack of sufficient sunlight and turns on the lights. Dawn is defined as the time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off lights.

RATES

The bill shall be computed at the following rates for each type of standard facility and/or service utilized to provide street lighting, plus any adjustments incorporated in this schedule:

I. FIXTURES (Includes Mounting Arm, if Applicable)

	Lumen	Watts	kWh	RATES	
				Investment by Company	Investment by Others
A. Acorn	9,500 HPS	100	41	\$ 27.06	\$9.22
	16,000 HPS	150	69	30.04	11.65
	6000 IND	85	29	17.87	4.77
B. Architectural	9,500 HPS	100	41	15.38	7.34
	16,000 HPS	150	69	17.96	9.82
	30,000 HPS	250	99	21.31	12.60
	50,000 HPS	400	153	26.29	18.13
	14,000 MH	175	72	21.51	11.79
	21,000 MH	250	101	24.42	14.54
	36,000 MH	400	159	30.54	20.00
	8,000 LPS	55	30	22.35	9.82
	13,500 LPS	90	50	26.36	11.84
	22,500 LPS	135	72	30.11	14.45
	33,000 LPS	180	90	36.22	17.02
	6,200 IND	85	29	9.40	3.65
	8,400 IND	100	34	9.93	4.05
	10,200 IND	120	41	10.91	4.63
	13,000 IND	150	52	12.05	5.50
	20,500 IND	200	69	13.72	6.84
	22,500 IND	265	91	16.37	8.62
5,800 LED	94	32	16.53	4.79	
7,400 LED	127	44	18.96	5.89	
12,300 LED	203	70	23.66	8.22	

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: David J. Rumolo  
Title: Manager, Regulation and Pricing  
Original Effective Date: August 1, 1986

A.C.C. No. 5747XXXX  
Canceling A.C.C. No. 56895747  
Rate Schedule E-58  
Revision No. 489  
Effective: January 1, 2010XXXX.XXXXXX



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**I. FIXTURES (Includes Mounting Arm, if Applicable) (cont):**

			RATES			
	Lumen	Watts	kWh	Investment by Company	Investment by Others	
C. Cobra/Roadway	5,800 HPS	70	29	\$8.73	\$5.16	
	9,500 HPS	100	41	10.28	6.32	
	16,000 HPS	150	69	12.87	8.82	
	30,000 HPS	250	99	15.52	11.46	
	50,000 HPS	400	153	21.06	16.37	
	14,000 MH	175	72	\$14.97	\$10.20	
	21,000 MH	250	101	17.49	12.69	
	36,000 MH	400	159	23.03	17.63	
	8,000 FL	100	38	17.20	5.04	
	6,200 IND	75	26	9.78	3.50	
	6,400 IND	85	29	8.33	3.51	
	8,000 IND	88	30	9.72	3.75	
	8,400 IND	100	34	9.01	3.93	
	10,200 IND	120	41	9.69	4.47	
	13,000 IND	150	52	10.67	5.32	
	15,250 IND	200	69	12.87	6.73	
	22,500 IND	250	86	17.22	8.41	
	6,000 LED	95	33	15.83	4.76	
	8,700 LED	142	49	17.80	6.06	
	9,600 LED	157	54	18.94	6.54	
11,600 B-LED	181	62	17.67	6.90		
D. Decorative	9,500 HPS	100	41	37.09	11.11	
	16,000 HPS	150	69	36.88	12.41	
	30,000 HPS	250	99	42.46	16.02	
E. Flood	30,000 HPS	250	99	20.61	12.81	
	50,000 HPS	400	153	25.56	17.77	
	21,000 MH	250	101	22.00	13.53	
	36,000 MH	400	159	26.82	18.35	
F. Post Top	Colonial Gray	8,000 FL	100	38	18.54	5.23
		9,500 HPS	100	41	10.60	6.65
	Colonial Black	9,500 HPS	100	41	12.21	6.88
	Decorative Transit	9,500 HPS	100	41	32.47	10.24
	Copper Square	6,000 IND	85	29	17.52	4.72
G. FROZEN	4,000 INC	295	103	\$9.78	\$5.47	
	7,000 MV	175	73	12.67	7.27	
	11,000 MV	250	96	15.87	9.68	
	20,000 MV	400	150	24.92	14.12	

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: David J. Rumolo  
Title: Manager, Regulation and Pricing  
Original Effective Date: August 1, 1986

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Rate Schedule E-58  
Revision No. 489  
Effective: January 1, 2010XXXX.XXXXXX



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

NOTES:

1. Investment by Company. These rates are applicable where the Company provides the initial investment to purchase and install all facilities necessary for street lighting service. The Company will own, operate, and maintain the street lighting system.
2. Investment by Others. These rates are applicable in those instances where the requesting entity or individual purchases and installs the street lighting facilities at their own expense and in accordance with Company specifications. These rates will also apply in the instance where the customer provides a non-refundable advance to the Company to cover the Company's cost of purchasing and installing the street lighting system. The Company retains ownership of the street lighting system and provides operation and maintenance for all facilities.

NOTES: (cont)

3. Listed kWhs reflect the assigned monthly energy usage for each type of fixture and are used to determine any applicable transmission, system benefit, distribution, energy, and adjustment charges.
4. HPS = High Pressure Sodium
5. MH = Metal Halide
6. LPS = Low Pressure Sodium
7. FL = Fluorescent
8. INC = Incandescent. Incandescent lighting charges are applicable and available only to those customers being served and those installations in service on November 1, 1986.
9. MV = Mercury Vapor. Mercury Vapor lighting charges are applicable and available only to those customers being served and those installation in service on November 1, 1986 in accordance with A.R.S. §49-1104(A).
10. LED = Light Emitting Diode
11. IND = Induction



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**II. POLES**

			RATES		
			Height	Investment by Company	Investment By Others
A. Anchor Base Mounted (Flush)	Round Steel	1 Simplex Adapter	12 ft.	\$12.17	\$1.68
			22 ft.	13.70	1.88
			25 ft.	14.82	2.05
			30 ft.	17.03	2.34
			32 ft.	17.89	2.37
		2 Simplex Adapters	12 ft.	12.98	1.79
			22 ft.	14.91	2.06
			25 ft.	15.55	2.14
			30 ft.	18.07	2.49
			32 ft.	19.28	2.66
	Square Steel	5"	13 ft.	13.95	1.92
			15 ft.	12.47	1.72
			23 ft.	14.79	2.03
			25 ft.	16.26	2.23
			28 ft.	18.05	2.48
			32 ft.	17.95	2.47
Concrete		12 ft.	41.58	5.73	
Fiberglass		12 ft.	35.21	4.85	
Decorative Transit Pedestrian		4"	16 ft.	34.33	4.73
Decorative Transit		6"	30 ft.	66.28	9.13
Hinged Poles		Square	15 ft.	13.20	1.08
		Round	19 ft.	11.93	.97
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	11.71	1.61
			22 ft.	13.24	1.82
			25 ft.	14.35	1.98
			30 ft.	16.58	2.29
			32 ft.	17.41	2.40
		2 Simplex Adapters	12 ft.	12.51	1.72
			22 ft.	13.97	1.92
			25 ft.	15.08	2.07
			30 ft.	17.61	2.42
			32 ft.	18.81	2.59
	3 Bolt Arm		32 ft.	21.62	2.97
	Square Steel	5"	13 ft.	13.50	1.86
			15 ft.	13.80	1.89
			23 ft.	14.32	1.98
			25 ft.	15.80	2.19
			28 ft.	17.56	2.42
32 ft.			18.23	2.50	



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**II POLES (cont)**

		RATES			
		Height	Investment by Company	Investment by Others	
C. Direct Bury	Round Steel	19 ft.	\$18.42	\$2.54	
		30 ft.	14.38	2.66	
		38 ft.	17.55	2.73	
		Self Support Stepped	40 ft.	21.62	3.42
			25 ft.	49.72	4.06
			32 ft.	52.36	4.27
	Square Steel	4"	49 ft.	64.99	8.96
			34 ft.	15.87	2.75
			20 ft.	15.07	2.49
		5"	30 ft.	15.71	2.59
			38 ft.	17.05	2.96
			28 ft.	28.45	2.32
	Decorative Transit	41 ft 6 in	32 ft.	29.74	2.43
47 ft.			25.50	3.75	
	Steel Distribution Pole (for lighting only)	35 ft.	23.54	3.10	
D. Post Top	Decorative Transit Anchor Base	16 ft.	35.07	4.82	
	Gray Steel/Fiberglass	23 ft.	12.16	2.00	
	Black Steel	23 ft.	13.41	2.21	
E. Existing distribution pole suitable for streetlight use			1.48	--	
F. FROZEN	Wood Poles	30 ft.	\$8.95	\$1.55	
		35 ft.	8.95	1.48	

**NOTE:** The monthly rate for all new poles includes up to 300 feet of overhead secondary wire, or up to 300 feet of underground secondary wire if the customer provides earthwork and conduit (excluding the underground to overhead transition).

**III. ANCHOR BASE**

		RATES		
		Height	Investment by Company	Investment by Others
A. Flush		4 ft.	\$9.91	\$1.36
		6 ft.	11.82	2.05
B. Pedestal		8 ft.	13.54	2.36
	For 32' Round Steel Pole only	4 ft. 6"	9.39	1.63



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**IV. CHARGES FOR OPTIONAL OR ADDITIONAL EQUIPMENT**

		RATES
		Company Owned
Underground Circuit Charges:		
a.	Per foot of cable, installed under paving	\$0.15716
b.	Per foot of cable, not installed under paving	0.05589

**V.**



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

V. DETERMINATION OF RATES FOR NEW EQUIPMENT

Monthly rates for new lighting fixtures, poles and other equipment not included in Sections I, II, or III above shall be determined by the Company using the following method:

<u>Step 1</u> <u>Determination of Charges for each Charge Type</u>							<u>Monthly Fixed Charge Rate</u>
<u>Charge Type</u>	<u>Monthly Charge</u>	=	<u>Cost Inputs</u>	x	<u>PV Factor</u>	x	
1	<u>Carrying Cost (fixtures)</u>	=	<u>Equipment Cost (installed)</u>	x	<u>NA</u>	x	1.533%
2	<u>Carrying Cost (poles)</u>	=	<u>Equipment Cost (installed)</u>	x	<u>NA</u>	x	1.449%
3	<u>Fixture Replacement Cost</u>	=	<u>Equipment Cost (installed)</u>	x	<u>0.132</u>	x	1.533%
4	<u>Pole, Anchor Replacement Cost</u>	=	<u>Equipment Cost (installed)</u>	x	<u>0.082</u>	x	1.449%
5	<u>Lighting O&amp;M</u>	=	<u>O&amp;M Cost (lifecycle)</u>	x	<u>0.381</u>	x	1.533%
<u>Charge Type</u>	<u>Monthly Charge</u>	=	<u>kWh Input</u>	x	<u>\$/kWh</u>		
6	<u>Generation</u>	=	<u>kWh per month</u>	x	<u>0.04023</u>		
7	<u>T&amp;D, RCS, SB</u>	=	<u>kWh per month</u>	x	<u>0.03516</u>		

<u>Step 2</u> <u>Determination of Total Monthly Charge</u>	
<u>The total monthly charge shall be the summation of the charges for each applicable charge type</u>	
<u>Equipment</u>	<u>Charge Type</u>
<u>Fixture - IBC</u>	<u>1,5,6,7</u>
<u>Fixture - IBO</u>	<u>3,5,6,7</u>
<u>Pole, Anchor Base - IBC</u>	<u>2</u>
<u>Pole, Anchor Base - IBO</u>	<u>4</u>



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

ADJUSTMENTS

1. The bill is subject to the Renewable Energy Standard as set forth in the Company's Adjustment Schedule RES pursuant to Arizona Corporation Commission Decision No. 70313.
2. The bill is subject to the Power Supply Adjustment factor as set forth in the Company's Adjustment Schedule PSA-1 pursuant to Arizona Corporation Commission Decision No. 67744 Arizona Corporation Commission Decision No. 69663, and Arizona Corporation Commission No. 71448.
3. The bill is subject to the Transmission Cost Adjustment factor as set forth in the Company's Adjustment Schedule TCA-1 pursuant to Arizona Corporation Commission Decision No. 67744.
4. The bill is subject to the Environmental Improvement Surcharge as set forth in the Company's Adjustment Schedule EIS pursuant to Arizona Corporation Commission Decision No. 69663.

ADJUSTMENTS (con't)

- ~~5. The bill is subject to the Competition Rules Compliance Charge as set forth in the Company's Adjustment Schedule CRCC-1 pursuant to Arizona Corporation Commission Decision No. 67744.~~
65. Direct Access customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge as set forth in the Company's Adjustment Schedule RCDAC-1 pursuant to Arizona Corporation Commission Decision No. 67744.
76. The bill is subject to the Demand Side Management Adjustment charge as set forth in the Company's Adjustment Schedule DSMAC-1 pursuant to Arizona Corporation Commission Decision No. 71448.
87. The bill is subject to 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 APS 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. Street lighting facilities installed under this rate schedule are of the type currently being furnished by Company as standard at the time service is initially requested. Standard facilities are those listed in the Company's Transmission and Distribution Construction Standards book.



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

SPECIAL PROVISIONS (cont)

2. The Company cannot guarantee that streetlighting facilities will always operate as intended. Therefore, the customer will be responsible for notifying the Company when the streetlighting facilities are not operating as intended. The Company will use reasonable efforts to complete normal maintenance (replacement of lamps, photocontrols or fixtures) within ten (10) working days from notification by customer; however, if the maintenance requires cable replacement or repairs, the Company shall use reasonable efforts to complete said repairs within twenty (20) working days.
3. The customer's bill will not be reduced due to lamp, photocontrol or cable repair or replacement outages.
4. Lighting equipment which is not specified in this rate schedule will be billed at the rates corresponding to the most similar equipment, as determined by the Company.

NON-STANDARD FACILITIES

Non-standard facilities (non-standard being defined as any facility not listed in the Company's Transmission and Distribution Construction Standards book) do not qualify for this rate schedule. At the Company's discretion, such facilities may be served under another of the Company's rate schedules.

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 without cost at the request of the customer. When the extension is underground the customer will provide earthwork as specified in Section 6.1.2 of the Company's Schedule 3, Conditions Governing Extensions of Electric Distribution Lines and Services; or, at the customer's request, the Company will provide such earthwork for a contribution in aid of construction equal to the cost of such earthwork. Any additional extension required (over

EXTENSION OF STREET LIGHTING SYSTEM (con't)

and above the first 300 feet) will be provided by Company for a contribution in aid of construction equal to the cost of the additional extension.

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

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1, Terms and Conditions for Standard Offer and Direct Access Services and the Company's Schedule 10, Terms and Conditions for Direct Access. These schedules have provisions that may affect the customer's bill. In addition, service may be subject to special terms and conditions as provided for in a customer contract or service agreement.

**Non-Redline**



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

**AVAILABILITY**

This rate schedule is available in all territory served by the Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the sites served.

**APPLICATION**

This rate schedule is applicable to outdoor lighting which operates only from dusk to dawn and where service can be supplied from the existing secondary facilities of the Company. Dusk is defined as the time between sunset and full night when a photocontrol senses the lack of sufficient sunlight and turns on the lights. Dawn is defined as the time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off lights.

**RATES**

The customer's bill shall be computed at the following rates for each type of standard facility and/or service utilized to provide outdoor lighting, plus any adjustments incorporated in this schedule:

**I. FIXTURES (Includes Mounting Arm, if Applicable)**

	Lumen	Watts	kWh	RATES	
				Company Owned	Customer Owned
A. Acorn	9,500 HPS	100	41	\$27.06	\$9.22
	16,000 HPS	150	69	30.04	11.65
	6,000 IND	85	29	17.87	2.77
B. Architectural	9,500 HPS	100	41	15.38	7.34
	16,000 HPS	150	69	17.96	9.82
	30,000 HPS	250	99	21.31	12.60
	50,000 HPS	400	153	26.29	18.13
	14,000 MH	175	72	21.51	11.79
	21,000 MH	250	101	24.42	14.54
	36,000 MH	400	159	30.54	20.00
	8,000 LPS	55	30	22.35	9.82
	13,500 LPS	90	50	26.36	11.84
	22,500 LPS	135	72	30.11	14.45
	33,000 LPS	180	90	36.22	17.02
	6,200 IND	85	29	9.40	2.77
	8,400 IND	100	34	9.93	3.15
	10,200 IND	120	41	10.91	3.67
	13,000 IND	150	52	12.05	4.50
	20,500 IND	200	69	13.72	5.79
	22,500 IND	265	91	16.37	7.44
5,800 LED	94	32	16.53	3.00	
7,400 LED	127	44	18.96	3.90	
12,300 LED	203	70	23.66	5.86	



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

**RATES (cont)**

**I. FIXTURES (Includes Mounting Arm, if Applicable (cont))**

			RATES				
			Lumen	Watts	kWh	Company Owned	Customer Owned
C. Cobra/Roadway	5,800 HPS		70	29		\$8.73	\$5.16
	9,500 HPS		100	41		10.28	6.32
	16,000 HPS		150	69		12.87	8.82
	30,000 HPS		250	99		15.52	11.46
	50,000 HPS		400	153		21.06	16.37
	14,000 MH		175	72		14.97	10.20
	21,000 MH		250	101		17.49	12.69
	36,000 MH		400	159		23.03	17.63
	8,000 FL		100	38		17.20	5.04
	6,200 IND		75	26		9.78	2.54
	6,400 IND		85	29		8.33	2.77
	8,000 IND		88	30		9.72	2.84
	8,400 IND		100	34		9.01	3.15
	10,200 IND		120	41		9.69	3.67
	13,000 IND		150	52		10.67	4.50
	15,250 IND		200	69		12.87	5.79
	22,500 IND		250	86		17.22	7.06
	6,000 LED		95	33		15.83	3.07
8,700 LED		142	49		17.80	4.27	
9,600 LED		157	54		18.94	4.65	
11,600 B-LED		181	62		17.67	5.25	
D. Decorative Transit	9,500 HPS		100	41		37.09	11.11
	16,000 HPS		150	69		36.88	6.31
	30,000 HPS		250	99		42.46	16.02
E. Flood	30,000 HPS		250	99		20.61	12.81
	50,000 HPS		400	153		25.56	17.77
	21,000 MH		250	101		22.00	13.53
	36,000 MH		400	159		26.82	18.35
F. Post Top	Colonial Gray	8,000 FL	100	38		18.54	5.23
		9,500 HPS	100	41		10.60	6.65
	Colonial Black	9,500 HPS	100	41		12.21	6.88
	Decorative	9,500 HPS	100	41		32.47	10.24
	Copper Square	6,000 IND	85	29		17.52	2.77
G. FROZEN	4,000 INC		295	103		\$9.78	\$5.47
	7,000 MV		175	73		12.67	7.27
	20,000 MV		400	150		24.92	14.12
	Brackets over 8 ft. and up to 16 ft. in length					1.72	--



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

- NOTES:
1. Company Owned fixtures are those fixtures that the Company installs, owns, operates, and maintains.
  2. Customer Owned fixtures are those fixtures where the customer installs and maintains the lighting fixtures, and the Company approves the installation, operates the fixtures, and replaces Company standard lamps only.
  3. Listed kWhs reflect the assigned monthly energy usage for each type of fixture and are used to determine any applicable transmission, system benefit, distribution, energy, and adjustment charges.
  4. HPS = High Pressure Sodium
  5. MH = Metal Halide
  6. LPS = Low Pressure Sodium
  7. FL = Fluorescent
  8. INC = Incandescent. Incandescent lighting charges are applicable and available only to those customers being served and those installations in service on April 21, 1983.
  9. MV = Mercury Vapor. Mercury Vapor lighting charges are applicable and available only to those customers being served and those installation in service on June 1, 1987 in accordance with A.R.S. §49-1104(A).
  10. LED = Light Emitting Diode
  11. IND = Induction



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

RATES (cont)

**II. POLES**

			RATES	
			Height	Company Owned
A. Anchor Base Mounted (Flush)	Round Steel	1 Simplex Adapter	12 ft.	\$12.17
			22 ft.	13.70
			25 ft.	14.82
			30 ft.	17.03
			32 ft.	17.89
	Round Steel	2 Simplex Adapters	12 ft.	12.98
			22 ft.	14.91
			25 ft.	15.55
			30 ft.	18.07
			32 ft.	19.28
	Square Steel	5"	13 ft.	13.95
			15 ft.	12.47
			23 ft.	14.79
			25 ft.	16.26
			28 ft.	18.05
			32 ft.	17.95
	Concrete			12 ft.
Fiberglass			12 ft.	35.21
Decorative Transit		4"	16 ft.	34.33
Decorative Transit		6"	30 ft.	66.28
Hinged	Square		15 ft.	13.20
	Round		19 ft.	11.93
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	11.71
			22 ft.	13.24
			25 ft.	14.35
			30 ft.	16.58
			32 ft.	17.41
	Round Steel	2 Simplex Adapters	12 ft.	12.51
			22 ft.	13.97
			25 ft.	15.08
			30 ft.	17.61
			32 ft.	18.81
				3 Bolt Arm
	Square Steel	5"	13 ft.	13.50
			15 ft.	13.80
			23 ft.	14.32
			25 ft.	15.80
			28 ft.	17.56
			32 ft.	18.23



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

RATES (cont)

II. POLES (cont)

		Height	RATES Company Owned	
C. Direct Bury	Round Steel	19 ft.	\$18.42	
		30 ft.	14.38	
		38 ft.	17.55	
		Self Support	40 ft.	21.62
		Stepped	25 ft.	49.72
			32 ft.	52.36
	Square Steel	4"	34 ft.	15.87
			20 ft.	15.07
		5"	30 ft.	15.71
			38 ft.	17.05
		8"	28 ft.	28.45
			32 ft.	29.74
		Decorative Transit	41 ft. 6 in.	20.47
	Decorative Transit	47 ft.	25.50	
	Steel Distribution Pole (for lighting only)	35 ft.	23.54	
D. Post Top	Decorative Transit Anchor Base	16 ft.	35.07	
	Gray Steel/Fiberglass	23 ft.	12.16	
	Black Steel	23 ft.	13.41	
E. FROZEN	Wood Poles	30 ft.	\$8.95	
		35 ft.	8.95	
		40 ft.	12.73	

- NOTES:
1. All distribution lines required to serve dusk to dawn facilities are owned by the Company.
  2. Monthly rates for all new Company owned poles include up to 100 feet of overhead secondary wire, or up to 100 feet of underground secondary line if customer provides earthwork and conduit (excluding the overhead to underground transition). Any additional wire required (over and above the first 100 feet provided) to install fixtures is subject to the additional monthly wire charges specified in Section IV.1 below.
  3. When adding lighting fixtures to an existing Company owned pole, any and all additional distribution wire required is subject to the additional monthly wire charges specified in Section IV.1 below.
  4. Any and all distribution wire required to serve lighting facilities placed on a customer owned pole, whether new or existing, is subject to the additional monthly wire charges specified in Section IV.1 below.



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

**III. ANCHOR BASE**

		RATES	
		Height	Company Owned
A. Flush		4 ft.	\$9.91
		6 ft.	11.82
B. Pedestal		8 ft.	13.54
	For 32' Round Steel Pole only	4 ft. 6"	9.39

**IV. RATES FOR OPTIONAL OR ADDITIONAL EQUIPMENT**

		RATES
		Company Owned
1.	Each 100 feet of overhead secondary wire, or each 100 feet of underground secondary wire if customer provides earthwork and conduit.	\$3.50
2.	Additional maintenance charge for HPS lamp and luminaire that is not accessible by bucket truck.	2.80
3.	Additional maintenance charge for MH lamp and luminaire that is not accessible by bucket truck.	6.04

**V. DETERMINATION OF RATES FOR NEW EQUIPMENT**

Monthly rates for new lighting fixtures, poles and other equipment not included in Sections I, II, or III above shall be determined by the Company using the following method:

<b>Step 1</b> Determination of monthly charges for each charge type					Monthly Fixed Charge Rate		
Charge Type	Monthly Charge	=	Cost Inputs	PV Factor	x		
1	Carrying cost (fixtures)	=	Equipment cost (installed)	x	NA	x	1.533%
2	Lighting O&M	=	O&M cost ( lifecycle)	x	0.381	x	1.533%
3	Carrying cost (poles)	=	Equipment cost (installed)	x	NA	x	1.449%
Charge Type	Monthly Charge	=	kWh Input	x	\$/kWh	x	
4	Generation	=	kWh per month	x	0.04023	x	
5	T&D, RCS, system benefits	=	kWh per month	x	0.03516	x	

<b>Step 2</b> Determination of Total Monthly Charge	
The total monthly charge shall be the summation of the charges for each applicable charge type.	
Equipment	Charge Type
Fixtures - company owned	1,2,4,5
Fixtures - customer owned	2,4,5
Poles - company owned	3



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

ADJUSTMENTS

1. The bill is subject to the Renewable Energy Standard as set forth in the Company's Adjustment Schedule RES pursuant to Arizona Corporation Commission Decision No. 70313.
2. The bill is subject to the Power Supply Adjustment factor as set forth in the Company's Adjustment Schedule PSA-1 pursuant to Arizona Corporation Commission Decision No. 67744, Arizona Corporation Commission Decision No. 69663, and Arizona Corporation Commission No. 71448.
3. The bill is subject to the Transmission Cost Adjustment factor as set forth in the Company's Adjustment Schedule TCA-1 pursuant to Arizona Corporation Commission Decision No. 67744.
4. The bill is subject to the Environmental Improvement Surcharge as set forth in the Company's Adjustment Schedule EIS pursuant to Arizona Corporation Commission Decision No. 69663.
5. Direct Access customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge as set forth in the Company's Adjustment Schedule RCDAC-1 pursuant to Arizona Corporation Commission Decision No. 67744.
6. The bill is subject to the Demand Side Management Adjustment charge as set forth in the Company's Adjustment Schedule DSMAC-1 pursuant to Arizona Corporation Commission Decision No. 71448.
7. The bill is subject to 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 APS 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 relocation of a dusk-to-dawn lighting installation, the costs of such relocation shall be paid by the customer.
4. The Company cannot guarantee that all dusk to dawn facilities will always operate as intended. Therefore, the customer will be responsible for notifying the Company when the dusk to dawn facilities are not operating as intended. The Company will use reasonable efforts to complete normal maintenance (replacement of lamps, photocontrols or fixtures) within ten (10) working days from notification by customer; however, if the maintenance requires cable replacement or repairs, the Company shall use reasonable efforts to complete said repairs within twenty (20) working days.
5. The customer's bill will not be reduced due to lamp, photocontrol or cable repair or replacement outages.
6. The customer may cancel a lighting service agreement by payment of the 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.
7. Lighting equipment which is not specified in this rate schedule will be billed at the rates corresponding to the most similar equipment, as determined by the Company.



**RATE SCHEDULE E-47  
CLASSIFIED SERVICE  
DUSK TO DAWN LIGHTING SERVICE**

NON-STANDARD FACILITIES – CUSTOMER OWNED

When the customer requests any non-standard dusk-to-dawn lighting facilities (non-standard being defined as any equipment not listed in the Company's Transmission and Distribution Construction Standards book), the customer will own, operate and maintain all components to the system excluding the distribution facilities installed by the Company to serve the lighting system. Monthly bills rendered for non-standard facilities will be computed at the following rates, plus any adjustments incorporated in this schedule. KWh will be determined by the Company, based on the rated wattage of the lighting equipment and an estimated average hourly usage per month.

A.	Service Charge	\$3.35	per installed lamp per month
B.	Energy Charge	\$0.06345	per kWh per month

If, at the Company's discretion, the customer chooses to have the Company maintain the entire non-standard facility, the Company may require the customer to enter into a separate maintenance agreement which may be subject to additional charges mutually agreed upon by the Company and the customer.

CONTRACT PERIOD

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

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1, Terms and Conditions for Standard Offer and Direct Access Services and the Company's Schedule 10, Terms and Conditions for Direct Access. These schedules have provisions that may affect the customer's bill. In addition, service may be subject to special terms and conditions as provided for in a customer contract or service agreement.



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**AVAILABILITY**

This rate schedule is available 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**

This rate schedule is applicable to service for lighting public streets, alleys, thoroughfares, public parks and playgrounds from dusk to dawn by use of Company's facilities where such service for the entire area is contracted for from the Company by the city, town, other governmental agencies, or a responsible individual for unincorporated communities. Dusk is defined as the time between sunset and full night when a photocontrol senses the lack of sufficient sunlight and turns on the lights. Dawn is defined as the time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off lights.

**RATES**

The bill shall be computed at the following rates for each type of standard facility and/or service utilized to provide street lighting, plus any adjustments incorporated in this schedule:

**I. FIXTURES (Includes Mounting Arm, if Applicable)**

	Lumen	Watts	kWh	RATES	
				Investment by Company	Investment by Others
A. Acorn	9,500 HPS	100	41	\$ 27.06	\$9.22
	16,000 HPS	150	69	30.04	11.65
	6000 IND	85	29	17.87	4.77
B. Architectural	9,500 HPS	100	41	15.38	7.34
	16,000 HPS	150	69	17.96	9.82
	30,000 HPS	250	99	21.31	12.60
	50,000 HPS	400	153	26.29	18.13
	14,000 MH	175	72	21.51	11.79
	21,000 MH	250	101	24.42	14.54
	36,000 MH	400	159	30.54	20.00
	8,000 LPS	55	30	22.35	9.82
	13,500 LPS	90	50	26.36	11.84
	22,500 LPS	135	72	30.11	14.45
	33,000 LPS	180	90	36.22	17.02
	6,200 IND	85	29	9.40	3.65
	8,400 IND	100	34	9.93	4.05
	10,200 IND	120	41	10.91	4.63
	13,000 IND	150	52	12.05	5.50
	20,500 IND	200	69	13.72	6.84
	22,500 IND	265	91	16.37	8.62
5,800 LED	94	32	16.53	4.79	
7,400 LED	127	44	18.96	5.89	
12,300 LED	203	70	23.66	8.22	

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: David J. Rumolo  
Title: Manager, Regulation and Pricing  
Original Effective Date: August 1, 1986

A.C.C. No. XXXX  
Canceling A.C.C. No. 5747  
Rate Schedule E-58  
Revision No. 49  
Effective: XXX,X,XXXXX



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

I. FIXTURES (Includes Mounting Arm, if Applicable) (cont):

			RATES				
			Lumen	Watts	kWh	Investment by Company	Investment by Others
C. Cobra/Roadway	5,800 HPS		70	29		\$8.73	\$5.16
	9,500 HPS		100	41		10.28	6.32
	16,000 HPS		150	69		12.87	8.82
	30,000 HPS		250	99		15.52	11.46
	50,000 HPS		400	153		21.06	16.37
	14,000 MH		175	72		14.97	10.20
	21,000 MH		250	101		17.49	12.69
	36,000 MH		400	159		23.03	17.63
	8,000 FL		100	38		17.20	5.04
	6,200 IND		75	26		9.78	3.50
	6,400 IND		85	29		8.33	3.51
	8,000 IND		88	30		9.72	3.75
	8,400 IND		100	34		9.01	3.93
	10,200 IND		120	41		9.69	4.47
	13,000 IND		150	52		10.67	5.32
	15,250 IND		200	69		12.87	6.73
	22,500 IND		250	86		17.22	8.41
	6,000 LED		95	33		15.83	4.76
8,700 LED		142	49		17.80	6.06	
9,600 LED		157	54		18.94	6.54	
11,600 B-LED		181	62		17.67	6.90	
D. Decorative	9,500 HPS		100	41		37.09	11.11
	16,000 HPS		150	69		36.88	12.41
	30,000 HPS		250	99		42.46	16.02
E. Flood	30,000 HPS		250	99		20.61	12.81
	50,000 HPS		400	153		25.56	17.77
	21,000 MH		250	101		22.00	13.53
	36,000 MH		400	159		26.82	18.35
F. Post Top	Colonial Gray	8,000 FL	100	38		18.54	5.23
		9,500 HPS	100	41		10.60	6.65
	Colonial Black	9,500 HPS	100	41		12.21	6.88
	Decorative Transit	9,500 HPS	100	41		32.47	10.24
	Copper Square	6,000 IND	85	29		17.52	4.72
G. FROZEN	4,000 INC		295	103		\$9.78	\$5.47
	7,000 MV		175	73		12.67	7.27
	11,000 MV		250	96		15.87	9.68
	20,000 MV		400	150		24.92	14.12

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: David J. Rumolo  
Title: Manager, Regulation and Pricing  
Original Effective Date: August 1, 1986

A.C.C. No. XXXX  
Canceling A.C.C. No. 5747  
Rate Schedule E-58  
Revision No. 49  
Effective: XXX,X,XXXXX



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**NOTES:**

1. Investment by Company. These rates are applicable where the Company provides the initial investment to purchase and install all facilities necessary for street lighting service. The Company will own, operate, and maintain the street lighting system.
2. Investment by Others. These rates are applicable in those instances where the requesting entity or individual purchases and installs the street lighting facilities at their own expense and in accordance with Company specifications. These rates will also apply in the instance where the customer provides a non-refundable advance to the Company to cover the Company's cost of purchasing and installing the street lighting system. The Company retains ownership of the street lighting system and provides operation and maintenance for all facilities.
3. Listed kWhs reflect the assigned monthly energy usage for each type of fixture and are used to determine any applicable transmission, system benefit, distribution, energy, and adjustment charges.
4. HPS = High Pressure Sodium
5. MH = Metal Halide
6. LPS = Low Pressure Sodium
7. FL = Fluorescent
8. INC = Incandescent. Incandescent lighting charges are applicable and available only to those customers being served and those installations in service on November 1, 1986.
9. MV = Mercury Vapor. Mercury Vapor lighting charges are applicable and available only to those customers being served and those installation in service on November 1, 1986 in accordance with A.R.S. §49-1104(A).
10. LED = Light Emitting Diode
11. IND = Induction



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**II. POLES**

			RATES			
			Height	Investment by Company	Investment by Others	
A. Anchor Base Mounted (Flush)	Round Steel	1 Simplex Adapter	12 ft.	\$12.17	\$1.68	
			22 ft.	13.70	1.88	
			25 ft.	14.82	2.05	
			30 ft.	17.03	2.34	
			32 ft.	17.89	2.37	
		2 Simplex Adapters	12 ft.	12.98	1.79	
			22 ft.	14.91	2.06	
			25 ft.	15.55	2.14	
			30 ft.	18.07	2.49	
			32 ft.	19.28	2.66	
	Square Steel	5"	13 ft.	13.95	1.92	
			15 ft.	12.47	1.72	
			23 ft.	14.79	2.03	
			25 ft.	16.26	2.23	
			28 ft.	18.05	2.48	
			32 ft.	17.95	2.47	
	Concrete		12 ft.	41.58	5.73	
Fiberglass		12 ft.	35.21	4.85		
Decorative Transit Pedestrian		4"	16 ft.	34.33	4.73	
Decorative Transit		6"	30 ft.	66.28	9.13	
Hinged Poles		Square	15 ft.	13.20	1.08	
		Round	19 ft.	11.93	.97	
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	11.71	1.61	
			22 ft.	13.24	1.82	
			25 ft.	14.35	1.98	
			30 ft.	16.58	2.29	
			32 ft.	17.41	2.40	
		2 Simplex Adapters	12 ft.	12.51	1.72	
			22 ft.	13.97	1.92	
			25 ft.	15.08	2.07	
			30 ft.	17.61	2.42	
			32 ft.	18.81	2.59	
			3 Bolt Arm	32 ft.	21.62	2.97
	Square Steel	5"	13 ft.	13.50	1.86	
			15 ft.	13.80	1.89	
			23 ft.	14.32	1.98	
			25 ft.	15.80	2.19	
			28 ft.	17.56	2.42	
32 ft.			18.23	2.50		



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**II POLES (cont)**

		RATES			
		Height	Investment by Company	Investment by Others	
C. Direct Bury	Round Steel	19 ft.	\$18.42	\$2.54	
		30 ft.	14.38	2.66	
		38 ft.	17.55	2.73	
		Self Support Stepped	40 ft.	21.62	3.42
			25 ft.	49.72	4.06
			32 ft.	52.36	4.27
	Square Steel	4"	49 ft.	64.99	8.96
			34 ft.	15.87	2.75
			20 ft.	15.07	2.49
		5"	30 ft.	15.71	2.59
			38 ft.	17.05	2.96
			28 ft.	28.45	2.32
	Decorative Transit	41 ft 6 in	32 ft.	29.74	2.43
			20.47	3.01	
	Decorative Transit	47 ft.	25.50	3.75	
	Steel Distribution Pole (for lighting only)	35 ft.	23.54	3.10	
D. Post Top	Decorative Transit Anchor Base	16 ft.	35.07	4.82	
	Gray Steel/Fiberglass	23 ft.	12.16	2.00	
	Black Steel	23 ft.	13.41	2.21	
E. Existing distribution pole suitable for streetlight use			1.48	--	
F. FROZEN	Wood Poles	30 ft.	\$8.95	\$1.55	
		35 ft.	8.95	1.48	

**NOTE:** The monthly rate for all new poles includes up to 300 feet of overhead secondary wire, or up to 300 feet of underground secondary wire if the customer provides earthwork and conduit (excluding the underground to overhead transition).

**III. ANCHOR BASE**

		RATES		
		Height	Investment by Company	Investment by Others
A. Flush		4 ft.	\$9.91	\$1.36
		6 ft.	11.82	2.05
B. Pedestal		8 ft.	13.54	2.36
	For 32' Round Steel Pole only	4 ft. 6"	9.39	1.63



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

**IV. CHARGES FOR OPTIONAL OR ADDITIONAL EQUIPMENT**

		RATES	
		Company Owned	
Underground Circuit Charges:			
	a. Per foot of cable, installed under paving	ROZEN	\$0.15716
	b. Per foot of cable, not installed under paving		0.05589

**V. DETERMINATION OF RATES FOR NEW EQUIPMENT**

Monthly rates for new lighting fixtures, poles and other equipment not included in Sections I, II, or III above shall be determined by the Company using the following method:

Step 1 Determination of Charges for each Charge Type							Monthly Fixed Charge Rate
Charge Type	Monthly Charge	=	Cost Inputs	x	PV Factor	x	
1	Carrying Cost (fixtures)	=	Equipment Cost (installed)	x	NA	x	1.533%
2	Carrying Cost (poles)	=	Equipment Cost (installed)	x	NA	x	1.449%
3	Fixture Replacement Cost	=	Equipment Cost (installed)	x	0.132	x	1.533%
4	Pole, Anchor Replacement Cost	=	Equipment Cost (installed)	x	0.082	x	1.449%
5	Lighting O&M	=	O&M Cost (lifecycle)	x	0.381	x	1.533%
Charge Type	Monthly Charge	=	kWh Input	x	\$/kWh		
6	Generation	=	kWh per month	x	0.04023		
7	T&D, RCS, SB	=	kWh per month	x	0.03516		

Step 2 Determination of Total Monthly Charge	
The total monthly charge shall be the summation of the charges for each applicable charge type	
Equipment	Charge Type
Fixture - IBC	1,5,6,7
Fixture - IBO	3,5,6,7
Pole, Anchor Base - IBC	2
Pole, Anchor Base - IBO	4



**RATE SCHEDULE E-58  
CLASSIFIED SERVICE  
STREET LIGHTING SERVICE**

ADJUSTMENTS

1. The bill is subject to the Renewable Energy Standard as set forth in the Company's Adjustment Schedule RES pursuant to Arizona Corporation Commission Decision No. 70313.
2. The bill is subject to the Power Supply Adjustment factor as set forth in the Company's Adjustment Schedule PSA-1 pursuant to Arizona Corporation Commission Decision No. 67744 Arizona Corporation Commission Decision No. 69663, and Arizona Corporation Commission No. 71448.
3. The bill is subject to the Transmission Cost Adjustment factor as set forth in the Company's Adjustment Schedule TCA-1 pursuant to Arizona Corporation Commission Decision No. 67744.
4. The bill is subject to the Environmental Improvement Surcharge as set forth in the Company's Adjustment Schedule EIS pursuant to Arizona Corporation Commission Decision No. 69663.
5. Direct Access customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge as set forth in the Company's Adjustment Schedule RCDAC-1 pursuant to Arizona Corporation Commission Decision No. 67744.
6. The bill is subject to the Demand Side Management Adjustment charge as set forth in the Company's Adjustment Schedule DSMAC-1 pursuant to Arizona Corporation Commission Decision No. 71448.
7. The bill is subject to 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 APS 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. Street lighting facilities installed under this rate schedule are of the type currently being furnished by Company as standard at the time service is initially requested. Standard facilities are those listed in the Company's Transmission and Distribution Construction Standards book.
2. The Company cannot guarantee that streetlighting facilities will always operate as intended. Therefore, the customer will be responsible for notifying the Company when the streetlighting facilities are not operating as intended. The Company will use reasonable efforts to complete normal maintenance (replacement of lamps, photocontrols or fixtures) within ten (10) working days from notification by customer; however, if the maintenance requires cable replacement or repairs, the Company shall use reasonable efforts to complete said repairs within twenty (20) working days.
3. The customer's bill will not be reduced due to lamp, photocontrol or cable repair or replacement outages.
4. Lighting equipment which is not specified in this rate schedule will be billed at the rates corresponding to the most similar equipment, as determined by the Company.

NON-STANDARD FACILITIES

Non-standard facilities (non-standard being defined as any facility not listed in the Company's Transmission and Distribution Construction Standards book) do not qualify for this rate schedule. At the Company's discretion, such facilities may be served under another of the Company's rate schedules.



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 without cost at the request of the customer. When the extension is underground the customer will provide earthwork as specified in Section 6.1.2 of the Company's Schedule 3, Conditions Governing Extensions of Electric Distribution Lines and Services; or, at the customer's request, the Company will provide such earthwork for a contribution in aid of construction equal to the cost of such earthwork. Any additional extension required (over and above the first 300 feet) will be provided by Company for a contribution in aid of construction equal to the cost of the additional extension.

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

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1, Terms and Conditions for Standard Offer and Direct Access Services and the Company's Schedule 10, Terms and Conditions for Direct Access. These schedules have provisions that may affect the customer's bill. In addition, service may be subject to special terms and conditions as provided for in a customer contract or service agreement.