



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

AVAILABILITY

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

DESCRIPTION

E-58 is a rate that is applicable for lighting public streets, alleys, thoroughfares, public parks and playgrounds from dusk to dawn by use of Company's facilities.

TIME PERIODS

- Dusk: Time between sunset and full night when photocontrol senses the lack of sufficient sunlight and turns on the lights.
- Dawn: The time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off lights.

CHARGES

The monthly bill will consist of the following charges, plus adjustments.

I. FIXTURES (Includes Mounting Arm, if Applicable)

	Lumen	Watts	kWh	CHARGES	
				Investment by Company	Investment by Others
A. Acorn	3,835 LED	75	26	\$21.63	\$7.59
	4,796 LED	75	26	\$17.38	\$6.46
	5,003 LED	100	35	\$23.45	\$8.71
	5,904 LED	100	35	\$23.03	\$8.60
	6000 IND	85	29	\$19.24	\$5.14
B. Architectural	6,200 IND	85	29	\$10.13	\$3.93
	8,400 IND	100	34	\$10.69	\$4.36
	10,200 IND	120	41	\$11.75	\$4.99
	13,000 IND	150	52	\$12.98	\$5.93
	20,500 IND	200	69	\$14.78	\$7.37
	22,500 IND	265	91	\$17.63	\$9.28
	3,300 LED	43	15	\$10.24	\$3.79
	3,800 LED	32	12	\$7.73	\$2.92
	3,900 LED	32	12	\$9.96	\$3.51
	4,050 LED	63	22	\$18.63	\$6.52
	4,100 LED	45	16	\$10.34	\$3.89
	4,800 LED	41	15	\$8.27	\$3.27
	5,000 LED	41	15	\$9.61	\$3.62



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

	Lumen	Watts	kWh	CHARGES	
				Investment by Company	Investment by Others
	5,100 LED	60	21	\$10.18	\$4.19
	5,300 LED	67	24	\$10.47	\$4.48
	5,800 LED	94	32	\$17.81	\$5.16
	5,890 LED	89	31	\$20.56	\$7.66
	6,000 LED	62	22	\$18.63	\$6.52
	6,000 LED	67	24	\$19.89	\$6.99
	6,400 LED	89	31	\$17.89	\$5.10
	6,810 LED	101	35	\$18.89	\$7.50
	7,100 LED	62	22	\$19.70	\$6.80
	7,400 LED	127	44	\$20.42	\$6.34
	7,500 LED	73	26	\$20.08	\$7.18
	7,700 LED	86	30	\$18.41	\$7.02
	8,200 LED	88	31	\$10.45	\$4.97
	8,200 LED	95	33	\$11.87	\$5.48
	8,300 LED	72	25	\$17.93	\$6.54
	8,300 LED	106	37	\$12.45	\$5.91
	8,500 LED	88	31	\$11.69	\$5.30
	9,020 LED	139	48	\$22.94	\$9.47
	9,200 LED	139	48	\$25.60	\$7.30
	9,900 LED	130	45	\$13.82	\$6.84
	10,000 LED	93	32	\$21.43	\$7.96
	10,000 LED	113	39	\$13.26	\$6.28
	10,600 LED	126	44	\$22.56	\$9.09
	11,100 LED	108	38	\$12.76	\$6.07
	11,500 LED	108	38	\$13.16	\$6.18
	12,300 LED	203	70	\$25.48	\$8.85
	12,900 LED	119	41	\$22.31	\$8.82
	13,260 LED	202	70	\$27.11	\$12.12
	13,620 LED	202	70	\$28.49	\$9.24
	14,000 LED	171	59	\$26.07	\$11.08
	15,000 LED	136	47	\$24.93	\$9.94
	15,400 LED	144	50	\$25.21	\$10.22
	18,300 LED	162	56	\$16.13	\$8.22
	19,200 LED	257	89	\$26.87	\$13.38
	20,000 LED	258	89	\$26.87	\$13.38
	20,300 LED	193	67	\$17.17	\$9.26
	21,000 LED	193	67	\$24.77	\$11.28
C. Cobra	6,200 IND	75	26	\$10.54	\$3.77
	6,400 IND	85	29	\$8.97	\$3.78
	8,000 IND	88	30	\$10.47	\$4.04
	8,400 IND	100	34	\$9.70	\$4.24
	10,200 IND	120	41	\$10.44	\$4.81



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

				CHARGES			
				Investment by Company	Investment by Others		
		Lumen	Watts	kWh			
C. Cobra		13,000 IND	150	52	\$11.50	\$5.73	
		15,250 IND	200	69	\$13.86	\$7.25	
		22,500 IND	250	86	\$18.55	\$9.06	
	Gray/Bronz	3,500 IND	55	19	\$10.50	\$3.27	
		6,000 LED	95	33	\$17.05	\$5.13	
		8,700 LED	142	49	\$19.17	\$6.53	
		9,600 LED	157	54	\$20.40	\$7.04	
		11,600 B-LED	181	62	\$19.03	\$7.44	
	Gray/Bronz	3,300 LED	43	15	\$9.00	\$2.79	
	Gray/Bronz	5,300 LED	67	23	\$10.45	\$3.54	
	Gray/Bronz	8,300 LED	106	37	\$13.55	\$4.94	
	Gray/Bronz	10,500 LED	130	45	\$15.08	\$5.69	
	Gray/Bronz	20,000 LED	258	89	\$26.21	\$10.27	
	D. Decorative Transit		5,300 LED	75	26	\$28.44	\$6.12
		8,300 LED	100	34	\$30.45	\$6.97	
		8,147 LED	75	26	\$35.76	\$11.36	
		9,522 LED	100	35	\$36.14	\$12.09	
		10,500 LED	150	52	\$32.69	\$8.52	
		14,896 LED	150	52	\$39.98	\$14.29	
Double		8,147 LED	75	26	\$64.74	\$18.96	
Double		9,522 LED	100	35	\$64.67	\$19.58	
Double		14,896 LED	100	52	\$70.67	\$22.32	
Copper		6,000 IND	85	29	\$18.87	\$5.09	
Gray/Black		8,000 IND	88	30	\$14.86	\$4.62	
Gray/Black		4,350 LED	86	30	\$13.48	\$4.44	
E. Flood			14,470 LED	148	51	\$23.93	\$9.95
			16,000 LED	125	43	\$23.17	\$9.19
F. Pendant		8,678 LED	75	26	\$26.36	\$8.85	
		13,964 LED	100	35	\$27.84	\$9.88	
G. Post Top		4,350 LED	86	30	\$13.43	\$5.69	
		6,400 LED	30	30	\$13.43	\$5.69	
		6,600 LED	83	29	\$13.33	\$5.59	
H. Roadway		3,300 LED	43	15	\$9.46	\$3.58	
		3,800 LED	32	12	\$7.24	\$2.79	
		3,900 LED	32	12	\$9.18	\$3.30	
		4,100 LED	45	16	\$9.56	\$3.68	
		4,800 LED	41	15	\$7.76	\$3.13	
		5,000 LED	41	15	\$9.12	\$3.49	
		5,100 LED	60	21	\$9.69	\$4.06	
		5,300 LED	67	24	\$9.98	\$4.35	
		8,200 LED	88	31	\$9.72	\$4.77	



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

	8,200 LED	95	33	\$11.36	\$5.34
	8,300 LED	106	37	\$11.74	\$5.72
	8,500 LED	88	31	\$11.18	\$5.16
	9,900 LED	130	45	\$13.31	\$6.70
	10,000 LED	113	39	\$12.75	\$6.14
	11,100 LED	108	38	\$12.03	\$5.88
	11,500 LED	108	38	\$12.65	\$6.04
	18,300 LED	162	56	\$15.23	\$7.98
	19,200 LED	257	89	\$19.11	\$11.32
	20,000 LED	258	89	\$19.11	\$11.32
	20,300 LED	193	67	\$16.27	\$9.02
	21,000 LED	193	67	\$17.01	\$9.22

FROZEN	4,000 INC	295	103	\$10.54	\$5.89
	7,000 MV	175	73	\$13.65	\$7.83
	11,000 MV	250	96	\$17.09	\$10.43
	20,000 MV	400	150	\$26.84	\$15.21
FROZEN ACORN	9,500 HPS	100	41	\$29.14	\$9.93
	16,000 HPS	150	69	\$32.35	\$12.55
FROZEN ARCHITECTURAL	9,500 HPS	100	41	\$16.56	\$7.90
	16,000 HPS	150	69	\$19.77	\$19.34
	30,000 HPS	250	99	\$22.95	\$13.57
	50,000 HPS	400	153	\$28.32	\$19.53
	14,000 MH	175	72	\$23.17	\$12.70
	21,000 MH	250	101	\$26.31	\$15.66
	36,000 MH	400	159	\$32.89	\$21.54
	8,000 LPS	55	30	\$24.08	\$10.58
	13,500 LPS	90	50	\$28.39	\$12.76
	22,500 LPS	135	72	\$32.43	\$15.56
	33,000 LPS	180	90	\$39.01	\$18.33
FROZEN COBRA ROADWAY	5,800 HPS	70	29	\$9.40	\$5.56
	9,500 HPS	100	41	\$11.07	\$6.81
	16,000 HPS	150	69	\$13.86	\$9.50
	30,000 HPS	250	99	\$16.72	\$12.35
FROZEN COBRA ROADWAY	50,000 HPS	400	153	\$22.69	\$17.63
	14,000 MH	175	72	\$16.12	\$10.99
	21,000 MH	250	101	\$18.84	\$13.67
	36,000 MH	400	159	\$24.81	\$18.99
	8,000 FL	100	38	\$18.53	\$5.43
FROZEN DECORATIVE TRANSIT	9,500 HPS	100	41	\$39.95	\$11.96
	16,000 HPS	150	69	\$39.72	\$13.36
	30,000 HPS	250	99	\$45.74	\$17.26
FROZEN FLOOD	30,000 HPS	250	99	\$22.20	\$13.79
	50,000 HPS	400	153	\$27.53	\$19.14
	21,000 MH	250	101	\$23.69	\$14.58
	36,000 MH	400	159	\$28.89	\$19.76
FROZEN Colonial Gray	8,000 FL	100	38	\$19.97	\$5.64



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

POST TOP	Colonial Gray	9,500 HPS	100	41	\$11.42	\$7.16
	Colonial Black	9,500 HPS	100	41	\$13.15	\$7.41
	Decorative	9,500 HPS	100	41	\$34.97	\$11.03

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

			CHARGES			
			Height	Investment by Company	Investment by Others	
A. Anchor Base Mounted (Flush)	Round Steel	1 Simplex Adapter	12 ft.	\$13.11	\$1.81	
			22 ft.	\$14.75	\$2.03	
			25 ft.	\$15.97	\$2.21	
			30 ft.	\$18.34	\$2.52	
			32 ft.	\$19.27	\$2.55	
		2 Simplex Adapters	12 ft.	\$13.98	\$1.93	
			22 ft.	\$16.06	\$2.22	
			25 ft.	\$16.75	\$2.31	
			30 ft.	\$19.47	\$2.68	
			32 ft.	\$20.77	\$2.87	
	Square Steel	5"	13 ft.	\$15.03	\$2.06	
			15 ft.	\$13.43	\$1.85	
			23 ft.	\$15.93	\$2.19	
			25 ft.	\$17.51	\$2.41	
			28 ft.	\$19.44	\$2.67	
			32 ft.	\$19.33	\$2.66	
	Concrete		12 ft.	\$44.79	\$6.17	
Fiberglass		12 ft.	\$37.93	\$5.22		
Decorative Transit		4"	16 ft.	\$36.98	\$5.10	
Decorative Transit		6"	30 ft.	\$71.39	\$9.83	
Hinged Poles		Square	15 ft.	\$14.21	\$1.16	
		Round	19 ft.	\$12.85	\$1.05	
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	\$12.61	\$1.73	
			22 ft.	\$14.26	\$1.96	
			25 ft.	\$15.46	\$2.13	
			30 ft.	\$17.85	\$2.47	
			32 ft.	\$18.75	\$2.58	
		2 Simplex Adapters	12 ft.	\$13.47	\$1.85	
			22 ft.	\$15.05	\$2.06	
			25 ft.	\$16.24	\$2.23	
			30 ft.	\$18.97	\$2.60	
			32 ft.	\$20.26	\$2.79	
			3 Bolt	32 ft.	\$23.28	\$3.20
	Square Steel	5"	13 ft.	\$14.54	\$2.01	
			15 ft.	\$14.86	\$2.03	
			23 ft.	\$15.43	\$2.13	
			25 ft.	\$17.02	\$2.36	
			28 ft.	\$18.91	\$2.60	
			32 ft.	\$19.63	\$2.69	



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

II POLES (cont)

		CHARGES			
		Height	Investment by Company	Investment by Others	
C. Direct Bury	Round Steel	19 ft.	\$19.84	\$2.74	
		30 ft.	\$15.49	\$2.87	
		38 ft.	\$18.90	\$2.94	
		Self	40 ft.	\$23.28	\$3.69
		Stepped	25 ft.	\$53.55	\$4.37
			32 ft.	\$56.40	\$4.60
	Square Steel	4"	49 ft.	\$70.00	\$9.65
			34 ft.	\$17.09	\$2.96
		5"	20 ft.	\$16.23	\$2.68
			30 ft.	\$16.92	\$2.79
		8"	38 ft.	\$18.36	\$3.19
			28 ft.	\$30.64	\$2.49
			32 ft.	\$32.03	\$2.62
	Decorative Transit	41 ft 6	\$22.05	\$3.24	
	Decorative Transit	47 ft.	\$27.47	\$4.04	
	Steel Distribution Pole (for lighting only)	35 ft.	\$25.36	\$3.34	
D. Post Top	Decorative Transit Anchor Base		\$37.77	\$5.19	
	Gray Steel/Fiberglass	16 ft.			
	Black Steel	23 ft.	\$13.10	\$2.15	
		23 ft.	\$14.44	\$2.38	
E. Existing distribution pole suitable for streetlight use			\$1.59	--	
F. FROZEN	Wood Poles	30 ft.	\$9.64	\$1.67	
		35 ft.	\$9.64	\$1.59	

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

		CHARGES		
		Height	Investment by Company	Investment by Others
A. Flush		4 ft.	\$10.67	\$1.47
		6 ft.	\$12.73	\$2.21
B. Pedestal		8 ft.	\$14.59	\$2.54
	For 32' Round Steel Pole only	4 ft. 6"	\$10.12	\$1.75



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

IV. CHARGES FOR OPTIONAL OR ADDITIONAL EQUIPMENT

	CHARGE
	Company Owned
Underground Circuit Charges:	
a. Per foot of cable, installed under paving	\$0.17000
b. Per foot of cable, not installed under paving	\$0.06000

V. DETERMINATION OF CHARGES FOR NEW EQUIPMENT

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

Step 1 Determination of Charges for each Charge Type							
Charge Type	Monthly Charge	=	Cost Inputs Equipment Cost	x	PV Factor	x	Monthly Fixed Charge Rate
1	Carrying Cost (fixtures)	=	(installed)	x	NA	x	1.518%
2	Carrying Cost (poles)	=	(installed)	x	NA	x	1.296%
3	Fixture Replacement Cost	=	Equipment Cost (installed)	x	0.257	x	1.518%
4	Pole, Anchor Replacement Cost	=	Equipment Cost (installed)	x	0.110	x	1.296%
5	Lighting O&M	=	O&M Cost (lifecyle)	x	0.427	x	1.518%
Charge Type	Monthly Charge	=	kWh Input		\$/kWh		
6	Generation	=	kWh per month	x	0.06760		
7	T&D, RCS, SB	=	kWh per month	x	0.02738		



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

TRIP CHARGE

A \$100.00 trip charge per light will be charged when a Customer requests a disconnect or reconnect of service in order to accommodate the maintenance activities of the Customer or its designee(s) on their street lighting equipment.

ADJUSTMENTS

The bill will include the following adjustments:

1. The Renewable Energy Standard charge, Adjustment Schedule REAC-1.
2. The Power Supply Adjustment charges, Adjustment Schedule PSA-1.
3. The Transmission Cost Adjustment charge, Adjustment Schedule TCA-1.
4. The Environmental Improvement Surcharge, Adjustment Schedule EIS.
5. The Demand Side Management Adjustment charge, Adjustment Schedule DSMAC-1.
6. The Lost Fixed Cost Recovery Adjustment charge, Adjustment Schedule LFCR.
7. Direct Access Customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge, Adjustment Schedule RCDAC-1.
8. Any applicable taxes and governmental fees that are assessed on APS's revenues, prices, sales volume, or generation volume.

SERVICE DETAILS

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**

2. 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. If the maintenance requires cable replacement or repairs, the Company will 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.
5. 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.
6. 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 the Company's Service Schedule 3, Conditions Governing Extensions of Electric Distribution Lines and Services; or, at the applicant's request, the Company will provide such earthwork and the applicant will be required to pay a non-refundable 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.
 - a. 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.
7. APS provides electric service under the Company's Service Schedules. These schedules provide details about how the Company serves its Customers, and they have provisions and charges 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.