



Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

Sheet 1

APPLICABILITY

Applicable to service for the lighting of streets, highways, and publicly-owned and publicly-operated automobile parking lots which are open to the general public where SCE owns and maintains the street lighting equipment and associated facilities included under this Schedule.

TERRITORY

Within the entire territory served.

RATES

	Delivery Service							Generation ^(T)		
	Trans ¹	Distrbtn ²	NSGC ³	NDC ⁴	PPPC ⁵	DWRBC ⁶	PUCRF ⁷	Total ⁸	URG ^{***}	DWREC ¹⁰
Energy Charge* - \$/kWh/Lamp/Month										
All Night Service	0.00330 (R)	0.01335	0.00111	0.00009	0.00766	0.00513 (I)	0.00024	0.03088 (R)	0.04171	(0.00593) (R)
Midnight Service	0.00330 (R)	0.01335	0.00111	0.00009	0.00766	0.00513 (I)	0.00024	0.03088 (R)	0.04171	(0.00593) (R)
All Night/Midnight Service Charge										
Incandescent Lamps** - \$/Lamp/Month										
103 Watt		9.72						9.72		
202 Watt		9.77						9.77		
327 Watt		9.91						9.91		
448 Watt		10.44						10.44		
Mercury Vapor Lamps** - \$/Lamp/Month										
100 Watt		8.84						8.84		
175 Watt		8.89						8.89		
250 Watt		9.50						9.50		
400 Watt		10.01						10.01		
700 Watt		11.28						11.28		
1,000 Watt		10.88						10.88		
High Pressure Sodium Vapor Lamps - \$/Lamp/Month										
50 Watt		8.81						8.81		
70 Watt		8.91						8.91		
100 Watt		9.39						9.39		
150 Watt		9.39						9.39		
200 Watt		10.01						10.01		
250 Watt		10.10						10.10		
310 Watt		10.45						10.45		
400 Watt		10.53						10.53		

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Sheet 2

RATES (Continued)

	Delivery Service							Generation ^o		(T)
	Trans ¹	Distrbtn ²	NSGC ³	NDC ⁴	PPPC ⁵	DWRBC ⁶	PUCRF ⁷	Total ⁸	URG ^{***}	
Low Pressure Sodium Vapor Lamps - \$/Lamp/Month										
35 Watt		11.54						11.54		
55 Watt		11.22						11.22		
90 Watt		14.00						14.00		
135 Watt		14.37						14.37		
180 Watt		14.41						14.41		
Metal Halide Lamps - \$/Lamp/Month										
70 Watt		17.94						17.94		
100 Watt		15.79						15.79		
150 Watt		15.48						15.48		
175 Watt		14.46						14.46		
250 Watt		11.70						11.70		
400 Watt		11.16						11.16		
1,000 Watt		15.12						15.12		
1,500 Watt		22.12						22.12		
Light Emitting Diode (LED) Lamps - \$/Lamp/Month										
52 Watt		10.47						10.47		
67 Watt		11.39						11.39		
90 Watt		11.70						11.70		
145 Watt		13.39						13.39		
155 Watt		13.57						13.57		
Tap Device Annual Charge - \$/Device		21.86						21.86		

- * The kilowatthours used to determine the Energy Charge for the lamp types and sizes served under this Schedule are shown in the Special Conditions section, below.
- ** Closed to new installations.
- *** The ongoing Competition Transition Charge (CTC) of \$0.00384 per kWh is recovered in the URG component of Generation. (I)
- 1 Trans = Transmission and the Transmission Owners Tariff Charge Adjustments (TOTCA) which are FERC approved. The TOTCA represents the Transmission Revenue Balancing Account Adjustment (TRBAA) of \$(0.00072) per kWh, Reliability Services Balancing Account Adjustment (RSBAA) of (R) \$0.00001 per kWh, and Transmission Access Charge Balancing Account Adjustment (TACBAA) of \$0.00038 per kWh. (R)
- 2 Distrbtn = Distribution
- 3 NSGC = New System Generation Charge
- 4 NDC = Nuclear Decommissioning Charge
- 5 PPPC = Public Purpose Programs Charge (includes California Alternate Rates for Energy Surcharge where applicable.)
- 6 DWRBC = Department of Water Resources (DWR) Bond Charge. The DWR Bond Charge is not applicable to exempt Bundled Service and Direct Access Customers, as defined in and pursuant to D.02-10-063, D.02-02-051, and D.02-12-082.
- 7 PUCRF = The PUC Reimbursement Fee is described in Schedule RF-E.
- 8 Total = Total Delivery Service rates are applicable to Bundled Service, Direct Access (DA) and Community Choice Aggregation Service (CCA Service) Customers, except DA and CCA Service Customers are not subject to the DWRBC rate component of this Schedule but instead pay the DWRBC as provided by Schedule DA-CRS or Schedule CCA-CRS.
- 9 Generation = The Generation rates are applicable only to Bundled Service Customers. (T)
- 10 DWREC = Department of Water Resources (DWR) Energy Credit – For more information on the DWR Energy Credit, see the Billing Calculation (N) Special Condition of this Schedule. (N)

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

Sheet 3

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SPECIAL CONDITIONS

1. Kilowatthours for Lamp Type and Size: The kilowatthours for the lamp types and sizes served under this Schedule used to determine the Energy Charge are shown below:

Lamp Wattage	Average Initial Lumens	kWh Per Lamp Per Month*	
		A All Night Service	B Midnight Service
<u>Incandescent Lamps**</u>			
103	1,000	35.535	18.633
202	2,500	69.690	36.542
327	4,000	112.815	59.154
448	6,000	154.560	81.043
<u>Mercury Vapor Lamps**</u>			
100	4,000	45.195	23.698
175	7,900	74.520	39.074
250	12,000	103.845	54.451
400	21,000	163.530	85.747
700	41,000	277.035	145.263
1,000	55,000	391.575	205.322
<u>High Pressure Sodium Vapor Lamps</u>			
50	4,000	20.010	10.492
70	5,800	28.635	15.015
100	9,500	40.365	21.165
150	16,000	66.585	34.914
200	22,000	84.870	44.501
250	27,500	107.985	56.622
310	37,000	132.135	69.285
400	50,000	167.325	87.737
<u>Low Pressure Sodium Vapor Lamps</u>			
35	4,800	21.735	11.397
55	8,000	28.980	15.196
90	13,500	45.195	23.698
135	22,500	62.790	32.924
180	33,000	79.005	41.426
<u>Metal Halide Lamps</u>			
70	5,500	32.430	16.998
100	8,500	44.505	23.328
150	12,000	61.410	32.188
175	12,000	74.175	38.879
250	19,500	101.775	53.346
400	32,000	158.010	82.822
1,000	100,000	372.600	195.300
1,500	150,000	553.725	290.238

* When an account has more than one lamp, the total kWh will be the kWh per month lamp rating to three decimal places multiplied by the number of lamps.

** Closed to new installations.

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LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

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SPECIAL CONDITIONS (Continued)

1. Kilowatthours For Lamp Type and Size: (Continued)

Light Emitting Diode (LED) Lamps

Lamp Watts Including Driver Loss***	Lamps Watts Including Driver Loss Mid-Point Range****	kWh per Lamp per Month Multiple Service kWh*****	
		All Night	Midnight
0-5	2.50	0.9	0.5
5.01-10	7.50	2.6	1.4
10.01-15	12.50	4.3	2.3
15.01-20	17.50	6.0	3.2
20.01-25	22.50	7.8	4.1
25.01-30	27.50	9.5	5.0
30.01-35	32.50	11.2	5.9
35.01-40	37.50	12.9	6.8
40.01-45	42.50	14.7	7.7
45.01-50	47.50	16.4	8.6
50.01-55	52.50	18.1	9.5
55.01-60	57.50	19.8	10.4
60.01-65	62.50	21.6	11.3
65.01-70	67.50	23.3	12.2
70.01-75	72.50	25.0	13.1
75.01-80	77.50	26.7	14.0
80.01-85	82.50	28.5	14.9
85.01-90	87.50	30.2	15.8
90.01-95	92.50	31.9	16.7
95.01-100	97.50	33.6	17.6
100.01-105	102.50	35.4	18.5
105.01-110	107.50	37.1	19.4
110.01-115	112.50	38.8	20.3
115.01-120	117.50	40.5	21.2
120.01-125	122.50	42.3	22.2
125.01-130	127.50	44.0	23.1
130.01-135	132.50	45.7	24.0
135.01-140	137.50	47.4	24.9
140.01-145	142.50	49.2	25.8
145.01-150	147.50	50.9	26.7
150.01-155	152.50	52.6	27.6
155.01-160	157.50	54.3	28.5
160.01-165	162.50	56.1	29.4
165.01-170	167.50	57.8	30.3
170.01-175	172.50	59.5	31.2

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

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SPECIAL CONDITIONS (Continued)

1. Kilowatthours For Lamp Type and Size: (Continued)

Light Emitting Diode (LED) Lamps

<u>Lamp Watts</u> <u>Including Driver Loss***</u>	<u>Lamps Watts Including Driver Loss</u> <u>Mid-Point Range****</u>	<u>kWh per Lamp per Month</u> <u>Multiple Service kWh*****</u>	
		<u>All Night</u>	<u>Midnight</u>
175.01-180	177.50	61.2	32.1
180.01-185	182.50	63.0	33.0
185.01-190	187.50	64.7	33.9
190.01-195	192.50	66.4	34.8
195.01-200	197.50	68.1	35.7
200.01-205	202.50	69.9	36.6
205.01-210	207.50	71.6	37.5
210.01-215	212.50	73.3	38.4
215.01-220	217.50	75.0	39.3
220.01-225	222.50	76.8	40.2
225.01-230	227.50	78.5	41.1
230.01-235	232.50	80.2	42.0
235.01-240	237.50	81.9	42.9
240.01-245	242.50	83.7	43.9
245.01-250	247.50	85.4	44.8
250.01-255	252.50	87.1	45.7
255.01-260	257.50	88.8	46.6
260.01-265	262.50	90.6	47.5
265.01-270	267.50	92.3	48.4
270.01-275	272.50	94.0	49.3
275.01-280	277.50	95.7	50.2
280.01-285	282.50	97.5	51.1
285.01-290	287.50	99.2	52.0
290.01-295	292.50	100.9	52.9
295.01-300	297.50	102.6	53.8
300.01-305	302.50	104.4	54.7
305.01-310	307.50	106.1	55.6
310.01-315	312.50	107.8	56.5
315.01-320	317.50	109.5	57.4
320.01-325	322.50	111.3	58.3
325.01-330	327.50	113.0	59.2
330.01-335	332.50	114.7	60.1
335.01-340	337.50	116.4	61.0
340.01-345	342.50	118.2	61.9
345.01-350	347.50	119.9	62.8
350.01-355	352.50	121.6	63.7

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

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1. Kilowatthours For Lamp Type and Size: (Continued)

Light Emitting Diode (LED) Lamps (Continued)

Lamp Watts Including Driver Loss***	Lamps Watts Including Driver Loss Mid-Point Range****	kWh per Lamp per Month Multiple Service kWh*****	
		All Night	Midnight
355.01-360	357.50	123.3	64.6
360.01-365	362.50	125.1	65.6
365.01-370	367.50	126.8	66.5
370.01-375	372.50	128.5	67.4
375.01-380	377.50	130.2	68.3
380.01-385	382.50	132.0	69.2
385.01-390	387.50	133.7	70.1
390.01-395	392.50	135.4	71.0
395.01-400	397.50	137.1	71.9

*** Lamp Wattage is based on the total wattage consumption of the lamp and driver.

**** The Mid-Point Range of the Lamp Watts including driver, is established by deducting 2.5 Watts from the highest wattage of the corresponding range in the "Lamp Watts Including Driver" column.

***** The energy use calculation for All Night Service is (Mid-Point Range watts) x (4,140 hours/12 months/1000). The same calculation is used for Midnight service except that the hours of service is replaced with 2,170 hours.

At this time, only Cobra Head style fixtures are available for the LED option

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

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SPECIAL CONDITIONS (Continued)

2. Standard Installation: A standard installation includes an overhead multiple service installation where SCE furnishes bracket or mast arm construction and standard luminaire attached to a wood pole.
3. Other Than Standard Installation:
 - a. Where the applicant requests the installation of other than a standard installation and his request is acceptable to SCE, SCE will install the requested equipment provided the applicant agrees to advance the estimated difference in cost installed between such equipment and a standard installation. If, in the opinion of SCE, an existing wood pole could be utilized for said installation, the difference in cost installed shall include no allowance for a wood pole. For an underground service installation, cost installed shall include, but is not limited to, the cost of any necessary conduit, excavating, backfilling and restoring of the pavement in accordance with SCE's specifications.
 - b. The installed cost of the standard installation is established by Commission Decision in SCE's General Rate Case proceeding.
 - c. All LED fixtures will be considered non-standard installations. There will be a differential facilities installed cost for each light fixture when an applicant requests the LED option.
 - d. Advances made for other than a standard installation will not be refunded.
 - e. All facilities installed shall become and remain the sole property of SCE.
4. Hours of Service: Under SCE's standard all night operating schedule approximately 4,140 hours of service per year will be furnished. Under SCE's midnight service operating schedule approximately 2,170 hours of service per year will be furnished.

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

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SPECIAL CONDITIONS (Continued)

5. Other Than All Night Service:

- a. Where the customer requests the installation and/or removal of equipment in order to obtain Midnight Service and such request is acceptable to SCE, SCE will comply with such request provided the customer first agrees to pay to SCE the estimated cost installed of any additional equipment required and/or the removal cost of equipment currently installed. Such payments will not be refunded and shall be paid in advance or in installments acceptable to SCE over a period not to exceed three years. Facilities installed in connection with such requests become and remain the sole property of SCE.
- b. Total non-energy charge(s) shown under the Rates section shall be applicable under this Schedule when SCE has been requested to discontinue the existing service by the customer and the customer has stipulated, in writing, that the facilities are to be left in place for future use.

6. Removal, Relocation or Modification of Facilities:

- a. Where street lighting service and facilities are ordered removed by a customer and such facilities, or any part thereof, were in service for a period of less than 10 years (120 consecutive months), the customer shall pay to SCE a nonrefundable amount equal to the total estimated cost installed less any customer contribution, plus the estimated cost of removal less the estimated net salvage value of the facilities.
- b. Where street lighting service and facilities were ordered removed or modified by a customer and such service and facilities, or their equivalent, are ordered reinstalled within 36 months from the date of the order to remove or to modify, the customer shall pay to SCE, in advance of the reinstallation, a nonrefundable amount equal to the cost of removal or modification of the prior facilities and the estimated cost of such reinstallation.

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY-UNMETERED SERVICE
COMPANY-OWNED SYSTEM

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SPECIAL CONDITIONS (Continued)

6. Removal, Relocation or Modification of Facilities: (Continued)

- c. Where street lighting facilities are ordered modified and/or relocated by a customer, the customer shall pay to SCE, in advance of such modification and/or relocation, a nonrefundable amount equal to the estimated cost of such modification and/or relocation. This includes facilities that now serve street light load only, but that may have been installed originally to serve other than street light load.
- d. Facilities removed or installed remain the sole property of SCE.

7. Requirements and Restrictions:

- a. The applicant for street light service shall specify the type of service, lamp size, and location of street lights.
- b. Service shall not be furnished under this Schedule where location, mounting height, and/or other considerations are unacceptable to SCE.
- c. The installation of street lighting equipment and facilities hereunder is contingent upon SCE obtaining easements, rights of way, and highway permits satisfactory to SCE for the required poles, lines, equipment, and facilities.
- d. In accordance with Rule 4, a written contract for a term of not less than one year and not more than five years is required in order to receive street light service under the provisions of this Schedule.
- e. Should the applicant not commence using the street lighting in a bona fide manner within ninety (90) days after date of completion and installation of a street light or street lighting system requested by the applicant, SCE will bill, and the applicant shall pay, the applicable non-energy (other charges) portion of the lamp charge(s).

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LIGHTING - STREET AND HIGHWAY
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SPECIAL CONDITIONS (Continued)

8. Timed Auxiliary Power Device Adaptor (TAP):
- a. This service is available under the terms and conditions stated below. An annual charge per device, found in the Rates section of this Schedule, plus a one-time set up administrative fee and a per modification administrative fee of \$65.00 per account plus Energy Charges billed at the LS-1 Midnight Service rate.
 - b. A Standard Installation shall consist of an individual TAP installed on SCE-owned ornamental street lighting pole.
 - c. This rate option is only available to governmental agencies who are the customer of record for ornamental street lighting service. A written Application and Agreement is required for service in conjunction with SCE-owned ornamental street lighting poles.
 - d. SCE will install the requested TAP and the installed TAP shall remain the sole property of SCE.
 - e. The installation of the applicant's holiday lighting decorations and hanger assemblies shall be in accordance with SCE's specifications.
 - f. The applicant shall specify the number of TAPs required. Billing will be based on the manufacturers' 300 watt rating for each device and the hours of operation.
 - g. At the time of installation of the TAP and annually thereafter until such TAP has been removed, the customer will be required to pay the annual charge.
 - h. In no case shall the granting of permission to install lighted holiday decorations for use with a TAP device on SCE's ornamental poles give the applicant any additional rights.

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LIGHTING - STREET AND HIGHWAY
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Sheet 11 (T)

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SPECIAL CONDITIONS (Continued)

- 9. Maintenance: SCE shall exercise reasonable care and diligence in maintaining its street light facilities or SCE-owned attachments thereto. Where SCE experiences, or expects to experience, maintenance costs exceeding its normal maintenance expense resulting from, but not limited to, vandalism, SCE may require the customer to pay the excess maintenance expense.
- 10. Liability of SCE: SCE shall not, by taking action pursuant to its tariffs, be liable for any loss, damage, or injury, established or alleged, which may result, or be claimed to result, therefrom.
- 11. Differential Facilities Rate: Where a governmental agency (applicant) requests and SCE agrees to install facilities which are in addition to the Standard Installation (differential facilities), the differential facilities installed costs shall be borne by the applicant.

In addition, where an applicant requests and SCE agrees to acquire the applicant's series street light system, the difference between the cost of the facilities to convert the series system to multiple service and the cost of the Standard Installation, shall be borne by the applicant.

At the option of SCE, the applicant may pay the differential facilities installed costs as a monthly charge in lieu of a one-time payment. The monthly charge is equal to 1.2 percent times the differential facilities total installed costs.

A Schedule LS-1 Differential Facilities Rate Agreement is required for service under this Special Condition.

- 12. Parking Lot Lighting Service: An "Agreement For Parking Lot Lighting Service SCE-Owned System Schedule LS-1" (Form 14-685) shall be required for parking lot lighting service under this Schedule.

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Schedule LS-1
LIGHTING - STREET AND HIGHWAY
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Sheet 12

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SPECIAL CONDITIONS (Continued)

13. Billing Calculation: A customer's bill is calculated according to the rates and conditions above.

The charges listed in the Rates section are calculated by multiplying the Total Delivery Service rates and the Generation rates, when applicable, by the billing determinants (e.g., per kilowatt [kW], kilowatthour [kWh], etc.). (T)

As of January 1, 2012, all generation supplied to Bundled Service Customers is provided by SCE. The DWR Energy Credit provided to Bundled Service Customers is determined by multiplying the DWR Energy Credit rate component by the customer's total kWhs. (N)

a. Bundled Service Customers receive Delivery Service and Generation service from SCE. The customer's bill is the sum of the charges for Delivery Service and Generation service determined, as described in this Special Condition, and subject to applicable discounts or adjustments provided under SCE's tariff schedules. (T)

b. Direct Access Customers receive Delivery Service from SCE and purchase energy from an Energy Service Provider. The customer's bill is the sum of the charges for Delivery Service determined as described in this Special Condition except that the DWRBC rate component is subtracted from the Total Delivery Service rates before the billing determinants are multiplied by such resulting Total rates; plus the applicable charges as shown in Schedule DA-CRS and subject to applicable discounts or adjustments provided under SCE's tariff schedules.

c. CCA Service Customers receive Delivery Service from SCE and purchase energy from their Community Choice Aggregator (CCA). SCE will read the meters and present the bill for both Delivery and Generation Services to the CCA Service Customer. The customer's bill is the sum of the charges for Delivery Service as displayed in this Rate Schedule and Generation charges determined by the CCA plus the applicable charges as shown in Schedule CCA-CRS, and subject to applicable discounts or adjustments provided under SCE's tariff schedules.

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