



**ORDINANCE NO: 180127**

As amended by Ordinance No. 181181

An ordinance approving the rates fixed by the Department of Water of Power of the City of Los Angeles and charged for electrical energy distributed and for service supplied by the Department to its customers, and approving the time and manner of payment of the same. As prescribed by said Department.

**THE PEOPLE OF THE CITY OF LOS ANGELES  
DO ORDAIN AS FOLLOWS:**

Section 1. That the rates to be charged and collected and the terms, provisions and conditions to be effective respecting such rates for electrical energy distributed and for service supplied by the Department of Water and Power (Department) of the City of Los Angeles (City) to its customers, fixed by Resolution No. 009-009 adopted by the Board of Water and Power Commissioners on July 2, 2008 are hereby approved. Such rates and conditions so fixed are as set for the in the following sections:

Sec. 2. The service supplied to customers within the incorporated limits of the City of Los Angeles and to customers within the Counties of Inyo and Mono, California, shall be in accordance with rate schedules prescribed in this ordinance.

**SCHEDULE R-1**  
**RESIDENTIAL SERVICE**  
Rate Effective July 1, 2009

**1. Applicability**

Applicable to service to single-family, single-family with guest house, individually metered accommodations, as well as to separately metered common areas of condominiums and cooperatives devoted primarily to residential uses and whose energy and capacity requirements do not exceed those for Small General Service Schedule A-1. Battery chargers, motors and appliances, which conform in capacities to applicable electrical codes, and meet requirements of the Department's Rules, may be served under this schedule. Not applicable to single-family residential customers with an on-site transformer dedicated solely to that individual customer.

**2. Monthly Rates**

	<u>High Season</u> June - Sep.	<u>Low Season</u> Oct. - May
<b>a. Rate A - Standard Service</b>		
1 Energy Charge - per kWh		
Tier 1 - per Zone Allocation	\$ 0.07020	\$ 0.07020
Tier 2 - per Zone Allocation	\$ 0.08520	\$ 0.07020
Tier 3 - per Zone Allocation	\$ 0.12000	\$ 0.07020
2 ECA - per kWh	See General Provisions	
3 ESA - per kWh	See General Provisions	
4 RCA - per kWh	See General Provisions	
Minimum Charge	\$ 10.00 Plus ECA, ESA, and RCA	
Zone 1		
Tier 1 - first 350 kWh		
Tier 2 - next 700 kWh		
Tier 3 - greater than 1050 kWh		
Zone 2		
Tier 1 - first 500 kWh		
Tier 2 - next 1000 kWh		
Tier 3 - greater than 1500 kWh		
<b>b. Rate B - Time-of-Use Service</b>		
1 Service Charge	\$ 8.00	\$ 8.00
2 Energy Charge - per kWh		
High Peak Period	\$ 0.16061	\$ 0.06515
Low Peak Period	\$ 0.08144	\$ 0.06515
Base Period	\$ 0.04655	\$ 0.05045
3 Electric Vehicle Discount - per kWh	\$ (0.02500)	\$(0.02500)
4 ECA - per kWh	See General Provisions	

- |   |               |                        |
|---|---------------|------------------------|
| 5 | ESA - per kWh | See General Provisions |
| 6 | RCA - per kWh | See General Provisions |

**c. Rate C - 12-Month Trial Time-of-Use Service**

The lesser of Rate A or B

**d. Rate D - Low Income Service**

Effective upon enactment Rate A less \$ 6.81, ESA, and RCA

Effective July 1, 2008, Rate A less \$ 7.49, ESA, and RCA

Effective July 1, 2009, Rate A less \$ 8.17, ESA, and RCA

**e. Rate E - Lifeline Service**

Effective upon enactment Rate A less \$15.31, ESA and RCA

Effective July 1, 2008, Rate A less \$16.51, ESA and RCA

Effective July 1, 2009, Rate A less \$ 17.71, ESA, and RCA

Minimum Charge \$ 2.00

**3. Billing**

The bill under:

- Rate A shall be the sum of parts (1) through (4), but not less than the Minimum Charge.
- Rate B shall be the sum of parts (1) through (6).
- Rate C shall be the lesser of Rate A or B.
- Rate D shall be Rate A less the Low-Income Credit, ESA, and RCA.
- Rate E shall be Rate A less the Lifeline Credit(s) ESA, and RCA, but not less than the Minimum Charge.

**4. General Conditions**

**a. Selection of Rates**

- (1) The Department requires mandatory service under Rate B for customers whose annual monthly average consumption reach or exceed 3000 kWh during the preceding 12 month period.
- (2) If a customer's annual monthly average consumption does not reach or exceed the consumption levels in accordance with conditions as set forth in Section 4.a.(1), above, a customer may choose to receive service either under Rate A or B. However, when a customer served under Rate B requests a change to Rate A, that customer may not revert to Rate B before 12 months have elapsed.

- (3) Service under Rate C shall be limited to a one-year trial period, after which Rate A or B must be selected. No new service under Rate C shall be established after July 1, 2010.
- (4) To receive service under Rate D, a customer must meet eligibility requirements as set forth by the Board or Water and Power Commissioners. Low Income eligibility requirements are available online at [www.ladwp.com/lowincome](http://www.ladwp.com/lowincome), or through the Customer Call Center at (800)-DIALDWP/ (800) 342-5397.
- (5) To receive service under Rate E, a customer must meet eligibility requirements as set forth in Section 5.a., below. Lifeline eligibility requirements are available online at [www.ladwp.com/lifeline](http://www.ladwp.com/lifeline), or through the Customer Call Center at (800)-DIALDWP/ (800) 342-5397.

**b. Electric Vehicle Discount**

Owners of licensed passenger electric vehicles shall be entitled to a discount on the block of energy designated by the Department as necessary for basic vehicle charging. Proof of vehicle registration and charging location is required.

**c. Zones**

Zones 1 and 2 as applied under Rate A are defined in the General Provisions Section of this Electric Rate Ordinance.

**5. Special Conditions**

**a. Lifeline Service Eligibility**

**(1) Senior Citizen/ Disabled Individual**

Extended to any residential customer who is eligible for exemption from the City Utility User's Tax under provisions of the Los Angeles Municipal Code or the Revenue and Taxation Code of the State of California because of senior citizen or disability status.

**(2) Life-Support Device**

Extended to any residential customer who provides satisfactory proof to the Department that a full-time resident, on the premises served, regularly requires the use of an essential life-support device, such as an aerosol tent, pressure pad, apnea monitor, pressure pump, compressor/ concentrator, respirator (all types), electronic nerve stimulator, suction machine, ultrasonic nebulizer, electrostatic nebulizer, inhalation pulmonary

pressure, breather machine (IPPB), iron lung, dialysis machine, hemodialysis machine, motorized wheelchair, or oxygen generator.

**(3) Physician Certified Allowance**

Extended to any residential customer who provides verification by a State-licensed physician to the Department that an individual who is a paraplegic, hemiplegic, quadriplegic, multiple sclerosis patient, neuromuscular patient, and scleroderma patient being treated for life-threatening illness is a full-time resident on the premises served.

The limited allowance shall also be made available to an individual who has a compromised immune system, provided that a State-licensed physician certifies in writing to the Department that an additional heating or cooling allowance, or both, is medically necessary in the individual's full-time residence that the Department serves to sustain the life of the person or prevent deterioration of the person's medical condition.

**(4) General**

Any customer eligible for Lifeline Service in two criteria categories shall receive 150 percent of the Lifeline Credit, and, if eligible for all three categories, 175 percent of the Lifeline Credit.

The customer shall notify the Department when eligibility for Lifeline Service no longer exists. Failure to notify the Department will result in back-bills to the customer under Rate R-1(A) for the entire period of ineligibility or 36 months whichever is less, plus interest at a rate prescribed by law.

**b. Parallel Generators**

Parallel generators who supply energy to the distribution system will offset the energy supplied by the Department. Energy supplied beyond full offset will receive the Standard Energy Credit in accordance with Schedule CG-2.

**SCHEDULE R-3  
RESIDENTIAL MULTIFAMILY SERVICE**

Rate Effective July 1, 2009

**1. Applicability**

Applicable to master-metered residential facilities and mobile home parks, where the individual single-family accommodations are privately Sub-metered.

Not applicable to service, which parallels, and connects to, customer's own generating facilities, except as such facilities are intended solely for emergency standby.

**2. Monthly Rates**

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
1 Service Charge	\$ 25.00	\$ 25.00
2 Facilities Charge - per kW	\$ 5.00	\$ 5.00
3 Demand Charge - per kW	\$ 9.00	\$ 5.50
4 Energy Charge - per kWh	\$ 0.03645	\$ 0.02995
5 ECA - per kWh	See General Provisions	
6 ESA - per kW	See General Provisions	
7 RCA - per kW	See General Provisions	

**3. Billing**

The bill shall be the sum of parts (1) through (7).

**4. General Conditions**

**a. Demand Charge**

The Demand Charge shall be based on the Maximum Demand recorded during the billing period.

**b. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months but not less than 30 kW.

**c. Lifeline Service Credit Provision**

A credit shall be provided for each Sub-metered unit qualified for Lifeline Service under Rate R-1(E), and so billed by the facility operator. The credit is scheduled to increase as follows:

Effective upon enactment \$15.31  
 Effective July 1, 2008 \$16.51  
 Effective July 1, 2009 \$17.71

**d. Low-Income Credit Provision**

Low-Income Credit shall be provided for each Sub-metered unit qualified for Low-Income Service Rate R-1(D), and so billed by the facility operator. The credit is scheduled to increase as follows:

Effective upon enactment \$6.81  
 Effective July 1, 2008 \$7.49  
 Effective July 1, 2009 \$8.17

**e. Selection of Rates**

A customer may receive service under any of the General Service Rate Schedules, if desired, but will be ineligible for both the Lifeline Service Credit and the Low-Income Credit as set forth in Sections 4.c. and 4.d., above, and still obliged to provide Rates R-1(D) and R-1(E) to eligible Sub-metered units.

**f. Posting Rates**

The owner shall post, in a conspicuous place, the prevailing residential electric rate schedule published by the Department, which would be applicable to the tenants if they were individually served by the Department.

**g. Tenant Billing**

The owner shall provide separate written electricity bills for each tenant, including the opening and closing meter readings for each billing period, the date the meters were read, the total electricity metered for the billing period, and the amount of the bill.

**SCHEDULE A-1  
 SMALL GENERAL SERVICE  
 Rate Effective July 1, 2009**

**1. Applicability**

Applicable to General Service below 30 kW demand, the highest demand recorded in the last twelve months, including lighting and power, charging of batteries of commercial electric vehicles, which may be delivered through the same service in compliance with the Department's Rules, and to single-family residential service with an on-site transformer dedicated solely to that individual customer. Not applicable to service which parallels, and connects to, customer's own generating facilities, except as such facilities are intended solely for emergency standby.

**2. Monthly Rates**

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>a. Rate A</b>		
1 Service Charge	\$ 6.50	\$ 6.50
2 Facilities Charge - per kW	\$ 5.00	\$ 5.00

3	Energy Charge - per kWh	\$ 0.06558	\$ 0.04268
4	ECA - per kWh	See General Provisions	
5	ESA - per kW	See General Provisions	
6	RCA - per kW	See General Provisions	

**b. Rate B - Time-of-Use**

1	Service Charge	\$ 15.00	\$ 15.00
2	Facilities Charge - per kW	\$ 5.00	\$ 5.00
3	Energy Charge - per kWh		
	High Peak Period	\$ 0.16385	\$ 0.05854
	Low Peak Period	\$ 0.10256	\$ 0.05854
	Base Period	\$ 0.03122	\$ 0.03122
4	Electric Vehicle Discount - per kWh	\$(0.02500)	\$(0.02500)
5	ECA - per kWh	See General Provisions	
6	ESA - per kW	See General Provisions	
7	RCA - per kW	See General Provisions	

**3. Billing**

The bill under Rate A shall be the sum of parts (1) through (6). The bill under Rate B shall be the sum of parts (1) through (7).

**4. General Conditions**

**a. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months, but not less than 4 kW.

**b. Selection of Rates**

- (1) The Department requires mandatory service under Rate B for single-family residential service with an on-site transformer dedicated solely to that individual customer.
- (2) If a customer is not a single-family residential service with an on-site transformer dedicated solely to that individual customer in accordance with conditions as set forth in Section 4.b.(1), above, a customer may choose to receive service either under Rate A or B. However, when a customer served under Rate B requests a change to Rate A, that customer may not revert to Rate B before 12 months have elapsed.
- (3) The customer shall be placed on Schedule A-2 or A-3 whose Maximum Demand either:
  - Reaches or exceeds 30 kW in any three billing months or two bimonthly billing periods during the preceding 12 month period

- Reaches or exceeds 30 kW during two High Season billing months or one High Season bimonthly billing period within a calendar year

**c. Electric Vehicle Discount**

Owners of licensed passenger or commercial electric vehicles shall be entitled to a discount on the block of energy designated by the Department as necessary for basic vehicle charging. Proof of vehicle registration and charging location is required.

**SCHEDULE A-2  
PRIMARY SERVICE  
Rate Effective July 1, 2009**

**1. Applicability**

Applicable to General Service delivered from the Department’s 4.8kV system and 30kW demand or greater, the highest demand recorded in the last twelve months, including lighting and power, charging of batteries of commercial electric vehicles, which may be delivered through the same service in compliance with the Department’s Rules, and to single-family residential service with an on-site transformer dedicated solely to that individual customer. Not applicable to service which parallels, and connects to, the customer’s own generating facilities, except as such facilities are intended solely for emergency standby.

**2. Monthly Rates**

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>a. Rate A - Standard Service</b>		
1 Service Charge	\$ 25.00	\$ 25.00
2 Facilities Charge - per kW	\$ 5.00	\$ 5.00
3 Demand Charge - per kW	\$ 9.00	\$ 5.50
4 Energy Charge - per kWh	\$ 0.03645	\$ 0.02995
5 ECA - per kWh	See General Provisions	
6 ESA - per kW	See General Provisions	
7 RCA - per kW	See General Provisions	
 <b>b. Rate B - Time-of-Use</b>		
1 Service Charge	\$ 28.00	\$ 28.00
2 Facilities Charge - per kW	\$ 5.00	\$ 5.00
3 Demand Charge - per kW		
High Peak Period	\$ 9.00	\$ 4.25

	Low Peak Period	\$ 3.25	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh		
	High Peak Period	\$ 0.04679	\$ 0.04045
	Low Peak Period	\$ 0.03952	\$ 0.04045
	Base Period	\$ 0.01879	\$ 0.02252
5	Electric Vehicle Discount - per kWh	\$(0.02500)	\$ 0.02500)
6	ECA - per kWh	See General Provisions	
7	ESA - per kW	See General Provisions	
8	RCA - per kW	See General Provisions	
9	Reactive Energy Charge (Applied if demand as determined for the Facilities Charge is greater than 250 kW)		
	a. Unmetered - per kWh		
	High Peak Period	\$ 0.00026	\$ 0.00023
	Low Peak Period	\$ 0.00017	\$ 0.00023
	Base Period	\$ 0.00011	\$ 0.00014
	b. Metered - per kvarh per Power Factor level below		
		High Season - (June - Sep)	
	Power Factor Range	High Peak	Low Peak
		Base	
	0.995-1.000	\$ -	\$ -
	0.950-0.994	\$0.00088	\$0.00059
	0.900-0.949	\$0.00167	\$0.00113
	0.800-0.899	\$0.00509	\$0.00339
	0.700-0.799	\$0.00853	\$0.00571
	0.600-0.699	\$0.01185	\$0.00787
	0.000-0.599	\$0.01293	\$0.00859
		Low Season - (Oct - May)	
	Power Factor Range	High Peak	Low Peak
		Base	
	0.995-1.000	\$ -	\$ -
	0.950-0.994	\$0.00076	\$0.00076
	0.900-0.949	\$0.00145	\$0.00145
	0.800-0.899	\$0.00439	\$0.00439
	0.700-0.799	\$0.00737	\$0.00737
	0.600-0.699	\$0.01023	\$0.01023
	0.000-0.599	\$0.01116	\$0.01116

### 3. Billing

The bill under Rate A shall be the sum of parts (1) through (7). The bill under Rate B shall be the sum of parts (1) through (9).

#### **4. General Conditions**

##### **a. Demand Charge**

The Demand Charge under Rate A-2(A) shall be based on the Maximum Demand recorded at any time during the billing month. The Demand Charge under Rate A-2(B) shall be based on the Maximum Demands recorded within the applicable Rating Periods during the billing month.

##### **b. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months, but not less than 30 kW.

##### **c. Selection of Rates**

(1) The Department requires mandatory service under Rate B for customers whose Maximum Demand reach or exceed the demand levels below in any three billing months during the preceding 12 month period, or whose Maximum Demand reach or exceed the demand levels below during two High Season billing months within a calendar year:

- 75 kW effective January 1, 2009
- 50 kW effective January 1, 2010
- 30 kW effective January 1, 2011

(2) If a customer's monthly Maximum Demand does not reach or exceed the demand levels in accordance with conditions as set forth in Section 4.c.(1), above, a customer may choose to receive service either under Rate A or B. However, when a customer served under Rate A requests a change to Rate B, that customer may not revert to Rate A before 12 months have elapsed.

(3) Customers shall be placed on the applicable rate under Schedule A-1 if demand, as determined for the Facilities Charge, drops below 30 kW. Rate A-2(A) shall expire on December 31, 2011.

##### **d. Electric Vehicle Discount**

Owners of licensed passenger or commercial electric vehicles shall be entitled to a discount on the block of energy designated by the Department as necessary for basic vehicle charging. Proof of vehicle registration and charging location is required.

##### **e. Reactive Energy Charge**

Reference Schedule A-3, Section 4.a.

**SCHEDULE A-3**  
**SUBTRANSMISSION SERVICE**  
Rate Effective July 1, 2009

**1. Applicability**

Applicable to General Service delivered from the Department's 34.5kV system and 30kW demand or greater, the highest demand recorded in the last 12 months, including lighting and power which may be delivered through the same service in compliance with the Department's Rules. Not applicable to service which parallels, and connects to, the customer's own generating facilities, except as such facilities are intended solely for emergency standby.

**2. Monthly Rates**

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>a. Rate A - Subtransmission Service</b>		
1 Service Charge	\$ 75.00	\$ 75.00
2 Facilities Charge - kW	\$ 4.00	\$ 4.00
3 Demand Charge - per kW		
High Peak Period	\$ 9.00	\$ 4.00
Low Peak Period	\$ 3.00	\$ -
Base Period	\$ -	\$ -
4 Energy Charge - per kWh		
High Peak Period	\$ 0.04390	\$ 0.03863
Low Peak Period	\$ 0.03764	\$ 0.03863
Base Period	\$ 0.01755	\$ 0.02197
5 Electric Vehicle Discount - per kWh	\$(0.02500)	\$(0.02500)
6 ECA - per kWh	See General Provisions	
7 ESA - per kW	See General Provisions	
8 RCA - per kW	See General Provisions	
9 Reactive Energy Charge (Applied if demand as determined for the Facilities Charge is greater than 250 kW)		

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
a. Unmetered - per kWh		
High Peak Period	\$ 0.00026	\$ 0.00023
Low Peak Period	\$ 0.00017	\$ 0.00023
Base Period	\$ 0.00011	\$ 0.00014

b. Metered - per kvarh per Power  
Factor level below

Power Factor Range	High Season - (June - Sep)		
	<u>High Peak</u>	<u>Low Peak</u>	<u>Base</u>
0.995-1.000	\$ -	\$ -	\$ -
0.950-0.994	\$ 0.00086	\$ 0.00059	\$ 0.00036
0.900-0.949	\$ 0.00164	\$ 0.00113	\$ 0.00059
0.800-0.899	\$ 0.00500	\$ 0.00338	\$ 0.00153
0.700-0.799	\$ 0.00838	\$ 0.00570	\$ 0.00255
0.600-0.699	\$ 0.01164	\$ 0.00785	\$ 0.00352
0.000-0.599	\$ 0.01270	\$ 0.00857	\$ 0.00384

Power Factor Range	Low Season - (Oct - May)		
	<u>High Peak</u>	<u>Low Peak</u>	<u>Base</u>
0.995-1.000	\$ -	\$ -	\$ -
0.950-0.994	\$ 0.00076	\$ 0.00076	\$ 0.00045
0.900-0.949	\$ 0.00145	\$ 0.00145	\$ 0.00073
0.800-0.899	\$ 0.00440	\$ 0.00440	\$ 0.00192
0.700-0.799	\$ 0.00737	\$ 0.00737	\$ 0.00319
0.600-0.699	\$ 0.01024	\$ 0.01024	\$ 0.00440
0.000-0.599	\$ 0.01117	\$ 0.01117	\$ 0.00481

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>b. Rate B - Standard Service</b>		
1 Service Charge	\$ 25.00	\$ 25.00
2 Facilities Charge - per kW	\$ 4.95	\$ 4.95
3 Demand Charge - per kW	\$ 8.91	\$ 5.45
4 Energy Charge - per kWh	\$ 0.03109	\$ 0.02465
5 ECA - per kWh	See General Provisions	
6 ESA - per kW	See General Provisions	
7 RCA - per kW	See General Provisions	

### 3. Billing

The bill under Rate A shall be the sum of parts (1) through (9). The bill under Rate B shall be the sum of parts (1) through (7).

### 4. General Conditions

**a. Reactive Energy Charge**

The Reactive Energy Charge shall be based on the lagging kilovar-hours (kvarh) recorded during each Rating Period, dependent upon the High Peak Period Power Factor. If reactive energy is unknown or unmetered, then the Reactive Energy Charge shall be replaced by additional kilowatt-hour charges.

**b. Maximum Demand**

The Maximum Demand is the average kilowatt load to the nearest one-tenth kilowatt during the 15-minute period of greatest use during a billing period, as recorded by the Department's meter. Demand is another term for power and is expressed in units of kilowatt.

In cases where demand is intermittent or subject to severe fluctuations, the Department may establish the Maximum Demand on the basis of measurement over a shorter interval of time or the kilowatt-amperes of installed transformer capacity required to meet the customer's load.

**c. Demand Charge**

The Demand Charge under Rate A-3(A) shall be based on the Maximum Demands recorded within the applicable Rating Periods during the billing month. The Demand Charge under Rate A-3(B) shall be based on the Maximum Demand recorded at any time during the billing month.

**d. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months, but not less than 30 kW.

**e. Electric Vehicle Discount**

Owners of licensed passenger or commercial electric vehicles shall be entitled to a discount on the block of energy designated by the Department as necessary for basic vehicle charging. Proof of vehicle registration and charging location is required.

**f. Metering**

Metering of energy and demand shall normally be provided by the Department at the primary side of the transformer, or at the Department's option, on the secondary side of the transformer and compensated by instruments or loss calculations to the primary side of the transformer, as provided in the Department's Rules.

#### **g. Selection of Rates**

- (1) The Department requires mandatory service under Rate A for customers whose Maximum Demand reach or exceed the demand levels below in any three billing months during the preceding 12 month period, or whose Maximum Demand reach or exceed the demand levels below during two High Season billing months within a calendar year:

  - 75 kW effective January 1, 2009
  - 50 kW effective January 1, 2010
  - 30 kW effective January 1, 2011
- (2) If a customer's monthly Maximum Demand does not reach or exceed the demand levels in accordance with conditions as set forth in Section 4.g.(1), above, a customer may choose to receive service under either Rate A or B. However, when a customer served under Rate B requests a change to Rate A, that customer may not revert to Rate B before 12 months have elapsed.
- (3) Customers shall be placed on the applicable rate under Schedule A-1 if demand, as determined for the Facilities Charge, drops below 30 kW. Rate A-3(B) shall expire on December 31, 2011.

#### **SCHEDULE A-4 TRANSMISSION SERVICE** Rate Effective July 1, 2009

##### **1. Applicability**

Applicable to General Service delivered by the Department from 138kV or above and 80MW demand or greater, and as established by the Department to be economically advantageous and physically feasible. Notwithstanding the above, this schedule will be provided at the sole discretion of the Department and is limited to availability on the Department's system and will be available only if determined to be feasible following comprehensive transmission system studies. All equipment or structures on customer premises necessary for the utilization of service delivered by the Department from 138kV or above shall be owned and maintained by the customer. However, some equipment may be installed by the Department on the customer's premises. All conduit and conductors required from the nearest 138kV source or above to the Service Point will be installed by the Department and the cost paid by the customer.

## 2. Monthly Rates

	High Season <u>June - Sep.</u>	Low Season Oct. - <u>May</u>
<b>a. Rate A - Transmission Service</b>		
1 Service Charge	\$1,000.00	\$1,000.00
2 Facilities Charge - per kW	\$ 2.00	\$ 2.00
3 Demand Charge - per kW		
High Peak Period	\$ 8.91	\$ 3.96
Low Peak Period	\$ 2.97	\$ -
Base Period	\$ -	\$ -
4 Energy Charge - per kWh		
High Peak Period	\$ 0.04341	\$0.03819
Low Peak Period	\$ 0.03721	\$0.03819
Base Period	\$ 0.01733	\$0.02170
5 Electric Vehicle Discount per - kWh	\$(0.02500)	(0.02500)
6 ECA - per kWh	See General Provisions	
7 ESA - per kW	See General Provisions	
8 RCA - per kW	See General Provisions	
9 Reactive Energy Charge		

	High Season <u>June - Sep.</u>	Low Season Oct. - May
<b>a. Unmetered - per kWh</b>		
High Peak Period	\$0.00026	\$0.00023
Low Peak Period	\$0.00017	\$0.00023
Base Period	\$0.00011	\$0.00014

**b. Metered – per kvarh per  
Power Factor level below**

Power Factor Range	High Season - (June - Sep)		
	<u>High Peak</u>	<u>Low Peak</u>	<u>Base</u>
0.995-1.000	\$ -	\$ -	\$ -
0.950-0.994	\$0.00085	\$0.00058	\$0.00035
0.900-0.949	\$0.00163	\$0.00112	\$0.00058
0.800-0.899	\$0.00494	\$0.00334	\$0.00151
0.700-0.799	\$0.00828	\$0.00563	\$0.00252
0.600-0.699	\$0.01151	\$0.00776	\$0.00347
0.000-0.599	\$0.01255	\$0.00848	\$0.00379

Power Factor Range	Low Season - (Oct - May)		
	High Peak	Low Peak	Base
0.995-1.000	\$ -	\$ -	\$ -
0.950-0.994	\$ 0.00075	\$ 0.00075	\$ 0.00044
0.900-0.949	\$ 0.00143	\$ 0.00143	\$ 0.00072
0.800-0.899	\$ 0.00435	\$ 0.00435	\$ 0.00189
0.700-0.799	\$ 0.00729	\$ 0.00729	\$ 0.00315
0.600-0.699	\$ 0.01012	\$ 0.01012	\$ 0.00435
0.000-0.599	\$ 0.01105	\$ 0.01105	\$ 0.00475

### 3. Billing

The bill under Rate A shall be the sum of parts (1) through (9).

### 4. General Conditions

#### a. Reactive Energy Charge

The Reactive Energy Charge shall be based on the lagging kilovar-hours (kvarh) recorded during each Rating Period, dependent upon the High Peak Period Power Factor.

#### b. Maximum Demand

The Maximum Demand is the average kilowatt load to the nearest one-tenth kilowatt during the 15-minute period of greatest use during a billing period, as recorded by the Department's meter. Demand is another term for power and is expressed in units of kilowatt.

In cases where demand is intermittent or subject to severe fluctuations, the Department may establish the Maximum Demand on the basis of measurement over a shorter interval of time or the kilowatt-amperes of installed transformer capacity required to meet the customer's load.

#### c. Demand Charge

The Demand Charge shall be based on the Maximum Demands recorded within the applicable Rating Periods during the billing month.

#### d. Facilities Charge

The Facilities Charge shall be based on the highest demand recorded in the last 12 months, but not less than 10MW.

#### e. Electric Vehicle Discount

Owners of licensed passenger or commercial electric vehicles shall be entitled to a discount on the block of energy designated by the Department as necessary for basic vehicle charging. Proof of vehicle registration and charging location is required.

**f. Metering**

Metering of energy and demand shall normally be provided by the Department at the primary side of the transformer or, at the Department's option, on the secondary side of the transformer and compensated by instruments or loss calculations to the primary side of the transformer, as provided in the Department's Rules.

**g. System Studies**

All costs of system studies and analysis performed by the Department or outside parties will be paid by the customer to Department prior to the start of the requested work. This payment is non-refundable and will be charged on an actual cost basis.

**h. Selection of Rates**

Customers shall maintain a minimum 10MW demand to remain on this Rate. If the customer's monthly Maximum Demand drops below 10MW for six consecutive billing periods, the Department requires mandatory service under Schedule A-3. The customer shall be responsible to pay all costs associated with the transfer and modifications of the service for billing under Scheduled A-3.

**SERVICE RIDER NEM  
NET ENERGY METERING(NEM)  
Rate Effective September 1, 2008**

**1. Applicability**

Net Energy Metering Rider is applicable to any customer who meets the following requirements:

- a. Customer owns and operates a permanent solar or wind turbine electrical generating facility or a hybrid system with a capacity of not more than one megawatt that is located on the customer's premises, and is not an emergency, standby, temporary, or mobile generating facility. The final determination of the applicability of this service rider for a generating facility resides solely with the Department.

- b. The generating facility operates in parallel with the Department's transmission and distribution facilities and is served under a published Rate Schedule.
- c. The generating facility is intended to and does primarily offset part or all of the customer's own electricity requirements.
- d. Customer pays all costs associated with the Department's interconnection of customer's generation.
- e. Customer with permanent solar or wind turbine electrical generating facilities or a hybrid system of greater than 10kW nameplate capacity has signed a Solar-Powered Customer Generation Interconnection Agreement provided by the Department.

Not applicable to any customer receiving Electric Service under Schedule CG-2 and CG-3.

## **2. Special Conditions**

- a. Net Energy Metering means measuring the difference between the electricity supplied from the electric grid and the electricity generated on the Customer's premises and delivered back to the electric grid or net energy recorded at the Service Point.
- b. Net Energy Metering shall be accomplished by measuring the flow of electricity in two directions. The Department provides the necessary metering; however, in the event a customer installation provides atypical metering requirements, the customer shall be responsible for the Department's expense of purchasing and installing a meter that is able to measure electricity flow in two directions. If an additional meter or meters are installed, the net metering configuration shall yield a result identical to that of a single meter.
- c. The Department at its expense may purchase and install additional meters to provide the information necessary to accurately credit or bill the customer or to collect generating system performance information for research purposes.
- d. Customer may elect to purchase Green Power under Service Rider REO, Renewable Energy Option, for net energy supplied by the Department.

## **3. Billing**

- a. If the electricity (kWh) supplied by the Department is more than or equal to the electricity (kWh) generated by the customer over the billing period, the customer shall be billed for the net energy supplied under the customer's currently applicable rate.

- b. If the electricity (kWh) supplied by the Department is less than the electricity (kWh) generated by the customer over the billing period, all applicable monthly billing charges, except energy related charges or charges based upon kWh, shall apply. A credit for the energy received will be calculated using the applicable Rate Schedule energy pricing.
- c. If, as a result of the bill calculation as set forth in Sections 3.a. or 3.b., above, the credit amount results in a credit balance, the Department will apply that balance to charges under each subsequent bill except Taxes and Minimum Charges until no further adjustment is due the customer. If a credit balance remains at the time when the customer terminates service, the balance will automatically be adjusted to zero and the customer shall be owed no further compensation for excess generation.
- d. Credit balances will only be applied to the bill associated with the meter that measured the Excess Energy.

**SCHEDULE AMP**  
**PORT OF LOS ANGELES ALTERNATIVE MARITIME POWER**  
 Rate Effective September 1, 2008

**1. Applicability**

Applicable to services with energy usage resulting from Merchant Ships participating in the Port of Los Angeles (POLA) Alternative Maritime Power (AMP). Seventy-five percent of energy consumed by services on this schedule must be from Merchant Ships. POLA shall be responsible for the installation and maintenance of facilities up to the high-side of the 34.5 kV Station which is serving the Merchant Ship loads. Not applicable to customers served under Service Rider-Net Energy Metering and General Service Rider Enterprise Zone.

The Department may remotely interrupt any AMP load under this service with thirty minutes advanced notice to POLA. The Department shall determine the interruption duration. POLA shall be responsible for purchasing and installing all equipment required for remote interruption.

**2. Monthly Rates**

**AMP Interruptible Rate**

(1) Service Charge	\$ 150.00
(2) Facilities Charge - per kW	\$ 1.33
(3) Energy Charge - per kWh	\$ 0.05910
(4) ECA - per kWh	See General Provisions
(5) ESA - per kW	See General Provisions
(6) RCA - per kWh	See General Provisions
(7) Reactive Energy Charge	

a. Unmetered - per kWh		
High Peak Period		\$ 0.00024
Low Peak Period		\$ 0.00021
Base Period		\$ 0.00013
b. Metered - per kvarh per Power Factor level below		
Power Factor Range		
0.995-1.000	\$	-
0.950-0.994	\$	0.00038
0.900-0.949	\$	0.00066
0.800-0.899	\$	0.00183
0.700-0.799	\$	0.00306
0.600-0.699	\$	0.00423
0.000-0.599	\$	0.00462

### 3. Billing

The bill shall be the sum of parts (1) through (7).

### 4. General Conditions

#### a. Reactive Energy Charge

The Reactive Energy Charge shall be based on the lagging kilovar-hours (kvarh) recorded during each Rating Period, dependent upon the High Peak Period Power Factor. If reactive energy is unknown or unmetered, then the Reactive Energy Charge shall be replaced by additional kilowatt-hour charges.

#### b. Facilities Charge

The Facilities Charge shall be based on the highest demand recorded in the last 12 months, whichever is greater, but not less than 500 kW.

#### c. Interruptible Service Conditions

To receive service under this Rate, POLA shall sign a contract with the Department. The Interruptible Demand, not less than 500kW, is that portion of the demand which the Department will supply to POLA at all times except during a Period of Interruption. During a Period of Interruption, the Department will supply POLA not more than the Firm Demand.

The Department shall provide not less than 30-minutes advanced notice of a Period of Interruption. A Period of Interruption is that interval of time, initiated and terminated by the Department, during which the Department is obligated to supply no more than the Firm Demand. A Period of Interruption will occur when operating reserves, in the Department's sole judgment, are inadequate to maintain system energy supply. Load interruption, shall be initiated remotely by Department Load Dispatchers. Firm Demand, which may be

specified at different values for High Season and Low Season, is that portion of demand which the Department will supply to POLA without limitation on the periods of availability.

**d. Interruption Frequency and Duration**

Periods of Interruption are unlimited and interruption duration shall be at the sole discretion of the Department.

**e. Substation Equipment on Customer's Site**

All equipment or structures necessary for Department to serve customer from the 34.5kV Subtransmission Service Voltage shall be located on the customer's site and shall be owned and maintained by POLA.

**f. Metering**

Metering of energy and demand shall be from the 34.5kV Subtransmission Service Voltage by meters provided by the Department at the primary side of the transformer or, at the Department's option, at the secondary side of the transformer and compensated by instruments or loss calculations to the primary side of the transformer, in accordance with the Department's Rules Governing Water and Electric Service.

All non-AMP load will be metered separately from the normal AMP service. POLA will provide metering facilities for non-AMP load, and the Department will provide the TDK (non-billing) meters for the non-AMP load to ensure more than seventy-five percent of energy consumption is from Merchant Ships.

**g. Line Extensions and Service Points**

Line Extensions and Service Points will be provided in accordance with the Rules Governing Water and Electric Service in the City of Los Angeles, and all amendments, revisions, and replacements thereof.

**SCHEDULE XRT- 2**

**EXPERIMENTAL REAL-TIME PRICING SERVICE, PRIMARY SERVICE (4.8KV)**

Rate Effective July 1, 2009

**1. Applicability**

Applicable to service with 250 kW demand or greater and served from the Department's 4.8kV system, which may be delivered through the same service in compliance with the Department's Rules. Not applicable to service under Schedule CG-2.

This service is experimental and the Department reserves the right to limit the number of customers receiving service hereunder.

## 2. Monthly Rates

	High Season <u>June - Sep.</u>	Low Season <u>Oct. – May</u>
<b>a. Rate A – Voluntary Curtailment Service – Primary (4.8kV)</b>		
1 Service Charge	\$ 150.00	\$ 150.00
2 Facilities Charge - per kW	\$ 5.00	\$ 5.00
3 Demand Charge - per kW		
High Peak Period	\$ 4.25	\$ 4.25
Low Peak Period	\$ 3.25	\$ -
Base Period	\$ -	\$ -
4 Energy Charge - per kWh		
High Peak Period	\$ 0.04679	\$ 0.04045
Low Peak Period	\$ 0.03952	\$ 0.04045
Base Period	\$ 0.01879	\$ 0.02252
5 Alert Period Energy Charge - per kWh		
High Peak Period	\$ 3.00150	\$ 0.04045
Low Peak Period	\$ 1.05840	\$ 0.04045
Base Period	\$ 0.01879	\$ 0.02252
6 ECA - per kWh	See General Provisions	
7 ESA - per kW	See General Provisions	
8 RCA - per kW	See General Provisions	
9 Reactive Energy Charge	See Rate A-2(B)	

## 3. Billing

The bill shall be the sum of parts (1) through (9).

## 4. General Conditions

### a. Load Reduction

Whenever the Department, in its sole judgment, requires customer to reduce load, it shall issue an Alert Period Notification. This may include, but not be limited to, high system peaks, low generation, high market prices, temperature, and system contingencies. The Department may request customers to reduce demand for any service under this Schedule through issuance of an Alert Period with not less than 2-hour advanced notification. Customers who do not reduce demand or curtail load during each of two consecutive Alert Periods will be removed from this rate schedule, placed on the applicable General Service rate, and not be eligible for service under the Schedule XRT-2 for five calendar years.

### b. Demand Charge

The Demand Charge shall be based on the Maximum Demands recorded within the applicable Rating Periods.

**c. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months.

**d. Alert Period Notification**

To receive service under this XRT-2 Rate Schedule, all customers, at their own expense, must have access to e-mail to receive Alert Period Notifications. The Department will send one notification per Alert Period to customer's:

- Primary e-mail address
- Secondary e-mail address or a wireless device that is capable of receiving a text message

Customer contact information shall be provided to the Department prior to establishing any service under this rate schedule. If a change in customer's e-mail address or text message address occurs, the customer is required to provide written notice to the Rates and Contracts Group in the form of a letter or e-mail. Receipt of Alert Period Notification is the responsibility of the participating customer. The Department does not guarantee the reliability of the text system or e-mail system by which the customer receives notification. Customer will be responsible for all charges incurred during an Alert Period even if actual notice is not received.

**e. Alert Period**

Each Alert Period shall be a minimum duration of 4 hours, however not to exceed a maximum of 10 hours. Alert Period(s) are limited to six occurrences within any calendar year. Notification will be provided through Alert Period message including the date, start and end time.

**f. Contracts**

To receive service under this rate schedule, a customer shall sign a contract with the Department.

**SCHEDULE XRT- 3  
EXPERIMENTAL REAL-TIME PRICING SERVICE, SUBTRANSMISSION SERVICE  
(34.5KV)**

Rate Effective July 1, 2009

**1. Applicability**

Applicable to service with 250 kW demand or greater and served from the Department’s 34.5kV system, which may be delivered through the same service in compliance with the Department’s Rules. Not applicable to service under Schedule CG-3.

This service is experimental and the Department reserves the right to limit the number of customers receiving service hereunder.

**2. Monthly Rates**

	High Season June - Sep.	Low Season Oct. – May
<b>a. Rate A - Voluntary Curtailment Service - Sub Transmission (34.5kV)</b>		
1 Service Charge	\$ 150.00	\$ 150.00
2 Facilities Charge - kW	\$ 4.00	\$ 4.00
3 Demand Charge - per kW		
High Peak Period	\$ 4.95	\$ 4.00
Low Peak Period	\$ 3.00	\$ -
Base Period	\$ -	\$ -
4 Energy Charge - per kWh		
High Peak Period	\$ 0.04390	\$ 0.03863
Low Peak Period	\$ 0.03764	\$ 0.03863
Base Period	\$ 0.01755	\$ 0.02197
5 Alert Period Energy Charge - per kWh		
High Peak Period	\$ 2.83700	\$ 0.03863
Low Peak Period	\$ 1.20140	\$ 0.03863
Base Period	\$ 0.01755	\$ 0.02197
6 ECA - per kWh	See General Provisions	
7 ESA - per kW	See General Provisions	
8 RCA - per kW	See General Provisions	
9 Reactive Energy Charge	See Rate A-3(A)	

**3. Billing**

The bill shall be the sum of parts (1) through (9).

**4. General Conditions**

**a. Load Reduction**

Whenever the Department, in its sole judgment, requires customer to reduce load, it shall issue an Alert Period Notification. This may include, but not be limited to, high system peaks, low generation, high market prices,

temperature, and system contingencies. The Department may request customers to reduce demand for any service under this Schedule through issuance of an Alert Period with not less than 2-hour advanced notification. Customers who do not reduce demand or curtail load during each of two consecutive Alert Periods will be removed from this rate schedule, placed on the applicable General Service rate, and not be eligible for service under the Schedule XRT-3 for five calendar years.

**b. Demand Charge**

The Demand Charge shall be based on the Maximum Demands recorded within the applicable Rating Periods.

**c. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months.

**d. Alert Period Notification**

To receive service under this XRT-3 Rate Schedule, all customers, at their own expense, must have access to e-mail to receive Alert Period Notifications. The Department will send one notification per Alert Period to customer's:

- Primary e-mail address
- Secondary e-mail address or a wireless device that is capable of receiving a text message

Customer contact information shall be provided to the Department prior to establishing any service under this rate schedule. If a change in customer's e-mail address or text message address occurs, the customer is required to provide written notice to the Rates and Contracts Group in the form of a letter or e-mail. Receipt of Alert Period Notification is the responsibility of the participating customer. The Department does not guarantee the reliability of the text system or e-mail system by which the customer receives notification. Customer will be responsible for all charges incurred during an Alert Period even if actual notice is not received.

**e. Alert Period**

Each Alert Period shall be a minimum duration of 4 hours, however not to exceed a maximum of 10 hours. Alert Period(s) are limited to six occurrences within any calendar year. Notification will be provided through Alert Period message including the date, start and end time.

**f. Contracts**

To receive service under this rate schedule, a customer shall sign a contract with the Department.

**SCHEDULE XCD - 2  
EXPERIMENTAL CONTRACT DEMAND SERVICE, PRIMARY SERVICE (4.8KV)**

Rate Effective July 1, 2009

**1. Applicability**

Applicable to General Service which may be delivered through the same service in compliance with the Department's Rules. Applicable to service with an average consumption exceeding 500,000 kilowatt-hours per month and served from the Department's 4.8kV system. Not applicable to service under Schedule CG-2.

This service is experimental and the Department reserves the right to limit the number of customers receiving service hereunder.

**2. Monthly Rates**

	High Season June - Sep.	Low Season Oct. - May
<b>a. Rate A - Primary Service (4.8kV)</b>		
1 Service Charge	\$ 150.00	\$ 150.00
2 Facilities Charge - per kW	\$ 5.00	\$ 5.00
3 Demand Charge - per kW	varies, see 4.b.	
4 Energy Charge - per kWh		
High Peak Period	\$ 0.04679	\$ 0.04045
Low Peak Period	\$ 0.03952	\$ 0.04045
Base Period	\$ 0.01879	\$ 0.02252
5 ECA - per kWh	See General Provisions	
6 ESA - per kW	See General Provisions	
7 RCA - per kW	See General Provisions	
8 Reactive Energy Charge	See Rate A-2(B)	

**3. Billing**

Billing under Rate A is applicable to loads which would normally be served under General Service Schedule A-2(B) and shall be the sum of parts (1) through (8).

**4. General Conditions**

**a. Reactive Energy Charge**

The Reactive Energy Charge shall be based on the lagging kilovar-hours (kvarh) recorded during each Rating Period, dependent upon the High Peak Period Power Factor. If reactive energy is unknown or unmetered, then the Reactive Energy Charge shall be replaced by additional kilowatt-hour charges.

**b. Demand Charge**

The Demand Charge shall be based on the Maximum Demands recorded within the applicable Rating Periods as shown in table below, however, unit prices may vary by terms of the contract, but shall not be less than marginal demand costs for the specified contract period.

**Schedule Experimental Contract Demand Load Factor Matrix**

Rate A – Primary Service 4.8kV

<b>Load Factor</b>	<b>Bill Discount</b>	<b>Demand Discount*</b>
90%	10%	28.17%
85%	8%	21.91%
80%	6%	15.96%
75%	4%	10.33%
70%	2%	5.01%

\*Demand Discount as a percent of Demand Charge set forth in Section 2.b.3. of Schedule A-2, Rate B for the referenced Load Factor.

**c. Facilities Charge**

The Facilities Charge shall be based on the highest demand recorded in the last 12 months.

**d. Contract**

To receive service under this rate schedule, a customer shall sign a contract for a specified term of at least two years and not exceeding five years.

**SCHEDULE XCD - 3  
EXPERIMENTAL CONTRACT DEMAND SERVICE, SUBTRANSMISSION SERVICE  
(34.5 KV)**

Rate Effective July 1, 2009

**1. Applicability**

Applicable to General Service which may be delivered through the same service in compliance with the Department's Rules. Applicable to service with an average

consumption exceeding 500,000 kilowatt-hours per month and served from the Department's 34.5kV system. Not applicable to service under Schedule CG-3.

This service is experimental and the Department reserves the right to limit the number of customers receiving service hereunder.

## 2. Monthly Rates

	High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>a. Rate A - Subtransmission Service (34.5kV)</b>		
1 Service Charge	\$ 150.00	\$ 150.00
2 Facilities Charge - per kW	\$ 4.00	\$ 4.00
3 Demand Charge - per kW	varies, see 4.b.	
4 Energy Charge - per kWh		
High Peak Period	\$ 0.04390	\$ 0.03863
Low Peak Period	\$ 0.03764	\$ 0.03863
Base Period	\$ 0.01755	\$ 0.02197
5 ECA - per kWh	See General Provisions	
6 ESA - per kW	See General Provisions	
7 RCA - per kW	See General Provisions	
8 Reactive Energy Charge	See Rate A-3(A)	

## 3. Billing

Billing under Rate A is applicable to loads which would normally be served under General Service Schedule A-3(A) and shall be the sum of parts (1) through (8).

## 4. General Conditions

### a. Reactive Energy Charge

The Reactive Energy Charge shall be based on the lagging kilovar-hours (kvarh) recorded during each Rating Period, dependent upon the High Peak Period Power Factor. If reactive energy is unknown or unmetered, then the Reactive Energy Charge shall be replaced by additional kilowatt-hour charges.

### b. Demand Charge

The Demand Charge shall be based on the Maximum Demands recorded within the applicable Rating Periods as shown in table below, however, unit prices may vary by terms of the contract, but shall not be less than marginal demand costs for the specified contract period.

## Schedule Experimental Contract Demand Load Factor Matrix

Rate A - Subtransmission Service 34.5kV

Load Factor	Bill Discount	Demand Discount*
90%	10%	26.85%
85%	8%	20.88%
80%	6%	15.21%
75%	4%	9.84%
70%	2%	4.77%

\*Demand Discount as a percent of the Demand Charge set forth in Section 2.a.3. of Schedule A-3, Rate A for the referenced Load Factor.

### c. Facilities Charge

The Facilities Charge shall be based on the highest demand recorded in the last 12 months.

### d. Contract

To receive service under this rate schedule, a customer shall sign a contract for a specified term of at least two years and not exceeding five years.

## SCHEDULE CG-2 CUSTOMER GENERATION, PRIMARY SERVICE (4.8KV) Rate Effective July 1, 2009

### 1. Applicability

Applicable when both the following conditions exist:

- Any Electric Service provided by the Department where a customer-owned electrical generating facility is interconnected with the Department's system for Parallel Operation and in compliance with the Department's Rules.
- Loads that are served from the Primary Distribution System and which would normally be served under General Service Schedules A-1 and A-2.

Not applicable to:

- Any person or entity that is a utility or a "Public Utility" as defined by the Public Utilities Code, including Sections 216 and 9604.
- Customer-owned electrical generating facilities interconnected with the Department System for Momentary Interconnection.

**a. CG-2, Rate A**

Applicable to customers who generate either to sell Excess Energy to the Department and/or to serve their own electricity requirements but have the Department provide Electric Service including supplemental and backup power.

**b. CG-2, Rate C**

- This rate is available to Rate A customers and is designed to support new customer generation and encourage clean on-site generation.
- Rate C is available to customers whose total Rated Generation Capacity located at a customer facility is less than 25 percent of the Maximum Coincident Demand and less than 1 MW.
- To qualify for this rate, each customer on-site generation unit shall have been installed and/or converted on/after January 1, 2001 to emit no more than 0.5 pounds/MWH of nitrous oxides. Such emission limit must be maintained to continue to qualify. Verification as the Department determines shall be provided.

**c. CG-2, Rate D and Rate E**

Rates D and E are optional rates for customers receiving service under the Schedule CG-2. Rate D is available to Rate A customers and Rate E is available to Rate C customers. These optional rates are for those customers who have demonstrated that they have the capability to reduce load during Department system conditions including, but not limited to, high system peaks, low generation, high market prices, temperature, and system contingencies.

**2. Monthly Rates**

		High Season June - Sep.	Low Season Oct. - May
<b>a. CG-2, Rate A</b>			
1	Service Charge	\$ 150.00	\$ 150.00
2	Facilities Charge - per kW	\$ 5.00	\$ 5.00
3	Supplemental Capacity Charge - per kW of Supplemental Demand		
	High Peak Period	\$ 4.70	\$ 4.25
	Low Peak Period	\$ 3.25	\$ -
	Base Period	\$ -	\$ -

4	Energy Charge - per kWh of Department supplied energy		
	High Peak Period	\$ 0.04679	\$ 0.04045
	Low Peak Period	\$ 0.03952	\$ 0.04045
	Base Period	\$ 0.01879	\$ 0.02252
5	Backup Capacity Charge - per kWh of Backup Energy		
	High Peak Period	\$ 0.14035	\$ -
	Low Peak Period	\$ 0.03838	\$ -
	Base Period	\$ -	\$ -
6	ECA - per kWh	See General Provisions	
7	ESA - per kW	See General Provisions	
8	RCA - per kW	See General Provisions	
9	Reactive Energy Charge	See Rate A-2(B)	
10	Energy Credit - per kWh	See Article 6	
		High Season	Low Season
		June-Sep.	Oct. - May

**b. CG-2, Rate C**

1	Service Charge	\$ 28.00	\$ 28.00
2	Facilities Charge- per kW	\$ 5.00	\$ 5.00
3	Demand Charge - per kW of Maximum Demand measured at Customer's Service Point		
	High Peak Period	\$ 9.00	\$ 4.25
	Low Peak Period	\$ 3.25	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh of Department supplied energy		
	High Peak Period	\$ 0.04679	\$0.04045
	Low Peak Period	\$ 0.03952	\$0.04045
	Base Period	\$ 0.01879	\$0.02252
5	Electric Vehicle Discount - per kWh	\$(0.02500)	(0.02500)
6	ECA - per kWh	See General Provisions	
7	ESA - per kW	See General Provisions	
8	RCA - per kW	See General Provisions	
9	Reactive Energy Charge	See Rate A-2(B)	
10	Energy Credit - per kWh	See Article 6	
		High Season	Low Season
		June - Sep.	Oct. - May

**c. CG-2, Rate D**

1	Service Charge	\$ 150.00	\$ 150.00
2	Facilities Charge - per kW	\$ 5.00	\$ 5.00

3	Supplemental Capacity Charge - per kW of Supplemental Demand		
	High Peak Period	\$ 4.25	\$ 4.25
	Low Peak Period	\$ 3.25	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh		
	High Peak Period	\$ 0.04679	\$0.04045
	Low Peak Period	\$ 0.03952	\$0.04045
	Base Period	\$ 0.01879	\$0.02252
5	Backup Capacity Charge - per kWh of Backup Energy		
	High Peak Period	\$ 0.14035	\$ -
	Low Peak Period	\$ 0.03838	\$ -
	Base Period	\$ -	\$ -
6	Alert Period Energy Charge - per kWh		
	High Peak Period	\$ 0.14699	\$0.04045
	Low Peak Period	\$ 0.08633	\$0.04045
	Base Period	\$ 0.01879	\$0.02252
7	ECA - per kWh	See General Provisions	
8	ESA - per kW	See General Provisions	
9	RCA - per kW	See General Provisions	
10	Reactive Energy Charge	See Rate A-2(B)	
11	Energy Credit - per kWh	See Article 6	

**d. CG-2, Rate E**

		High Season June - Sep.	Low Season Oct. – May
1	Service Charge	\$ 150.00	\$ 150.00
2	Facilities Charge- per kW	\$ 5.00	\$ 5.00
3	Demand Charge - per kW of Maximum Demand measured at Customer's Service Point		
	High Peak Period	\$ 4.25	\$ 4.25
	Low Peak Period	\$ 3.25	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh of Department supplied energy		
	High Peak Period	\$ 0.04679	\$ 0.04045
	Low Peak Period	\$ 0.03952	\$ 0.04045
	Base Period	\$ 0.01879	\$ 0.02252
5	Alert Period Energy Charge - per kWh		
	High Peak Period	\$ 3.00150	\$ 0.04045
	Low Peak Period	\$ 1.05840	\$ 0.04045
	Base Period	\$ 0.01879	\$ 0.02252
6	Electric Vehicle Discount-per	\$(0.02500)	(0.02500)

	kWh	
7	ECA - per kWh	See General Provisions
8	ESA - per kW	See General Provisions
9	RCA - per kW	See General Provisions
10	Reactive Energy Charge	See Rate A-2(B)
11	Energy Credit - per kWh	See Article 6

### 3. Billing

The bill under Rates A or C shall be the sum of parts (1) through (10). The bill under Rates D or E shall be the sum of parts (1) through (11).

### 4. Definitions

#### a. Backup Capacity Charge

See Capacity Charge.

#### b. Backup Energy

For each billing period, Backup Energy is the energy that would have been generated by the customer's generator(s) if operated at maximum output in each Rating Period (High peak, Low peak, Base). Backup Energy is applicable when both of the following conditions exist:

- Delivered energy as measured by the billing meter over a fifteen minute interval at the Service Point is greater than Supplemental Demand during any Rating Period within the billing month.
- Demand at the output point of the customer's generator as measured by the unit meter over a fifteen minute interval must be less than the Maximum Generation Demand during any Rating Period within the billing month.

#### c. Capacity Charge

There are two capacity charges in this rate schedule, Backup Capacity Charge and Supplemental Capacity Charge. The Capacity Charges are charges related to the cost of the facilities necessary to supply backup and supplemental services to the customer excluding costs that are recovered separately in the Facilities Charge.

#### d. Rated Generation Capacity (RGC)

The power output capacity of a generating unit(s) under normal operating conditions. Factors used in determining RGC include, but are not limited to, nameplate rating and operating characteristics of any connected

generation equipment on the premises. The Generation equipment used exclusively for emergency shall not be included in the RGC.

**e. Facilities Charge**

The Facilities Charge shall be based on the largest of:

- The highest actual demand level recorded for energy delivered by the Department in the last 12-months at the Service Point
- The highest actual demand level recorded for energy exported to the Department in the last 12-months at the Service Point

**f. Supplemental Capacity Charge**

See Capacity Charge.

**g. Maximum Coincident Demand**

The maximum of the coincident sum of the demand output at the generator or RGC as measured by the unit meter, and the Department-delivered demand at the Service Point. RGC will be used in determining Maximum Coincident Demand only in the event the customer does not have a unit meter.

**h. Supplemental Demand**

The Maximum Coincident Demand per Rating Period, less the maximum measured customer generation demand or RGC in the respective Rating Period, but never less than zero.

**i. Momentary Interconnection**

The Interconnection of a Generating Facility to the Distribution System for one second (60 cycles) or less.

**j. Parallel Operation**

The simultaneous operation of a Generator with power delivered or received by Department while Interconnected. Parallel Operation includes only those Generating Facilities that are Interconnected with the Utility's Distribution System for more than 60 cycles (one second).

**k. Electric Vehicle Discount**

See Schedule A-2, Rate B

**5. Special Conditions**

**a. CG-2, Rate A**

**(1) Temporary Discontinuance of Customer Generation**

When customer-owned generation equipment has no measured output for two billing cycles, future bills will be calculated under the General Service Tariff to which the customer would be assigned absent customer-owned generation equipment. The customer can be returned to this schedule when the customer-owned generating equipment is again operational.

**(2) Unit Meter**

To qualify for this rate schedule, a meter must be installed to measure the output of the customer-owned generation equipment.

**b. CG-2, Rate C**

**(1) Operational Requirements:**

Rate C is available to customers whose total Rated Generation Capacity located at a customer facility is less than 25 percent of the Maximum Coincident Demand and less than 1 MW. In the event a Rate C customer fails to comply with these requirements, the Department shall have the right to immediately transfer that customer to Schedule CG-2, Rate A. If the customer does not have a unit meter on the customer-owned generation equipment, the customer's bill will be estimated until the unit meter is installed, for a period of up to six months. Upon conclusion of the six month period, if the unit meter has not been installed, the Department will terminate the customer's Interconnection Agreement and transfer the customer to the applicable General Service Rate Schedule.

**(2) At a minimum, Rate C Customers must agree to operate their generating unit(s) during High Peak Period in High Season (June-Sep.)**

**c. CG2, Rate D and E**

**(1) All Special Conditions under Rate A shall apply to Rate D customers, and all Special Conditions under Rate C shall apply to Rate E customers.**

**(2) CG-2, Rate D Load Reduction**

Whenever the Department, in its sole judgment, requires customer to reduce load, it shall issue an Alert Period Notification. The Department may request customer to reduce demand for service

under this rate through issuance of an Alert Period with not less than one half-hour advanced notification. Customers who do not reduce demand or curtail load during each of 2 consecutive Alert Periods will be removed from Rate D, and placed on Rate A, and shall not be eligible for service under the Rate D schedule for 5 calendar years.

### **(3) CG-2, Rate E Load Reduction**

Whenever the Department, in its sole judgment, requires customer to reduce load, it shall issue an Alert Period Notification. The Department may request customer to reduce demand for service under this rate through issuance of an Alert Period with not less than two hour advanced notification. Customers who do not reduce demand or curtail load during each of 2 consecutive Alert Periods will be removed from Rate E, and placed on Rate C, and shall not be eligible for service under the Rate E schedule for 5 calendar years.

### **(4) Alert Period Notification**

To receive service under Rate D or E, all customers, at their own expense, must have access to e-mail to receive Alert Period Notifications. The Department will send one notification per Alert Period to customer's:

- Primary e-mail address
- Secondary e-mail address or a wireless device that is capable of receiving a text message

Customer contact information shall be provided to the Department prior to establishing any service under this rate schedule. If a change in customer's e-mail address or text message address occurs, the customer is required to provide written notice to the Rates and Contracts Group in the form of a letter or e-mail. Receipt of Alert Period Notification is the responsibility of the participating customer. The Department does not guarantee the reliability of the text system or e-mail system by which the customer receives notification. Customer will be responsible for all charges incurred during an Alert Period even if actual notice is not received.

### **(5) Alert Period**

Each Alert Period shall be a minimum duration of 4 hours, however not to exceed a maximum of 10 hours. Alert Period(s) are limited to six occurrences within any calendar year. Notification will be provided through Alert Period message including the date, start and end time. Customers will mitigate the increased cost of energy during Alert Periods by reducing electric consumption.

### **(6) Contracts**

To receive service under this rate schedule, a customer shall sign a contract in addition to the Customer Interconnection Agreement with the Department.

## **6. General Conditions**

### **a. Agreement**

To receive service under this rate schedule, the customer must first sign a Customer Generation Interconnection Agreement which provides that the customer will design, construct, operate and maintain the generating facility in compliance with all applicable codes, laws, electric service requirements, rules and prudent utility practices as determined in good faith by the Department.

### **b. Character of Service**

Service will be supplied at one of the standard voltages. The customer's generation equipment and Interconnection Facilities must be in compliance with the Department's Electric Service Requirements.

### **c. Energy Credit**

The energy credit is calculated as the total number of Excess Energy (kWh) supplied to the Department's system by the customer during each Rating Period times the dollar per kWh charge as determined by the Standard Energy Credit or the Daily Energy Credit.

Excess Energy is the energy generated by the customer beyond the customer's requirements and supplied to the Department's system.

### **d. Standard Energy Credit**

The Standard Energy Credit shall be revised twelve times each year on the first day of the calendar month and shall remain in effect for the entire calendar month. It shall be determined by the Department Energy Control Center estimated hourly marginal energy production costs. The hourly energy production costs shall be averaged separately for each Rating Period. The Standard Energy Credit will be posted for each Rating Period on the Department internet site. If the Excess Energy is metered at 34.5 kV, the Standard Energy Credit for each Rating Period shall be multiplied by a factor of 1.014 to adjust for reduced losses on the Power System.

### **e. Daily Energy Credit**

The Daily Energy Credit shall be posted two (2) weekdays ahead on the Department internet site before 6:00 p.m. Pacific Time on normal Department workdays. The Daily Energy Credit shall remain in effect until reposted. For example, the Daily Energy Credit values posted on Thursday shall apply to next Monday. The Daily Energy Credit is not available on Saturday and Sunday. The Daily Energy Credit shall be based on the Department Energy Control Center estimated hourly marginal energy production costs. The hourly energy production costs shall be averaged separately for each Rating Period. If the Excess Energy is metered at 34.5 kV, the Daily Energy Credit for each Rating Period shall be multiplied by a factor of 1.014 to adjust for reduced losses on the Power System. If the energy credit exceeds twice the customer's average monthly energy consumption bill, cash payment may be issued for the amount of Excess Energy purchased by the Department based on the Standard Energy Credit or the Daily Energy Credit. Only customers with Excess Energy and supply the Department system with demand levels greater than 100 kW may sign a contract that will allow payment for Excess Energy to be based on the Daily Energy Credit.

**f. Metering**

Meter installation and costs will be as defined in the Customer Generation Interconnection Agreement. The Department shall supply, own and maintain all necessary meters and associated equipment utilized for billing and for measurement of Excess Energy. Time-of-use metering equipment and recorders are located at the Customer's Service Point and at the output point of the customer's generator(s) to measure electric energy and other electric parameters deemed appropriate by the Department.

**g. Reactive Energy Charge**

See Schedule A2, Rate B.

**h. Wheeling Credits**

Wheeling Credits are not allowed under Schedule CG-2.

**i. Selection of Rates**

- A customer may choose to receive service under Rate A or D; and a customer may choose to receive service under Rate C or E, however, a customer voluntarily changing to Rate A from Rate D, or a customer voluntarily changing to Rate C from Rate E, may not revert to the opposing rate before 12 months have elapsed.
- A Rate A qualifying customer may elect to receive service under Rate A or Rate C; however, a customer changing from Rate C to Rate A may not revert to Rate C before 12 months have elapsed.

- If billing meter measures delivered energy and received energy from both generation and solar loads at the Service Point the customer shall be placed on the applicable rate under Schedule CG-2.

### **SCHEDULE CG-3**

### **CUSTOMER GENERATION, SUBTRANSMISSION SERVICE (34.5KV)**

Rate Effective July 1, 2009

#### **1. Applicability**

Applicable when both the following conditions exist:

- Any Electric Service provided by the Department where a customer-owned electrical generating facility is interconnected with the Department's system for Parallel Operation and in compliance with the Department's Rules.
- Loads that are served from the Subtransmission System and which would normally be served under General Service Schedule A-3.

Not applicable to:

- Any person or entity that is a utility or a "Public Utility" as defined by the Public Utilities Code, including Sections 216 and 9604.
- Customer-owned electric generating facilities interconnected with the Department System for Momentary Interconnection.

#### **a. CG-3, Rate A**

Applicable to customers who generate to sell Excess Energy to the Department and/or to serve their own electricity requirements and have the Department provide Electric Service including supplemental and backup power.

#### **b. CG-3, Rate C**

- This optional rate is available to Rate A customers and is designed to support new customer generation and to encourage clean onsite generation.
- Rate C is available to customers whose total Rated Generation Capacity located at a customer facility is less than 25 percent of the Maximum Coincident Demand and less than 1 MW.
- To qualify for this rate, each customer on-site generation unit shall have been installed and/or converted on/after January 1, 2001 to

emit no more than 0.5 pounds/MWH of nitrous oxides. Such emission limit must be maintained to continue to qualify. Verification as the Department determines shall be provided.

**c. CG-3, Rate D and Rate E**

Rates D and E are optional rates for customers receiving service under the Schedule CG-3. Rate D is available to Rate A customers and Rate E is available to Rate C customers. These optional rates are for those customers who have demonstrated that they have the capability to reduce load during Department system conditions including, but not limited to, high system peaks, low generation, high market prices, temperature, and system contingencies.

**2. Monthly Rates**

		High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>a. CG-3, Rate A</b>			
1	Service Charge	\$ 150.00	\$ 150.00
2	Facilities Charge - per kW	\$ 4.00	\$ 4.00
3	Supplemental Capacity Charge - per kW of Supplemental Demand		
	High Peak Period	\$ 5.50	\$ 4.00
	Low Peak Period	\$ 3.00	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh of Department supplied energy		
	High Peak Period	\$ 0.04390	\$ 0.03863
	Low Peak Period	\$ 0.03764	\$ 0.03863
	Base Period	\$ 0.01755	\$ 0.02197
5	Backup Capacity Charge - per kWh of Backup Energy		
	High Peak Period	\$ 0.13110	\$ -
	Low Peak Period	\$ 0.03220	\$ -
	Base Period	\$ -	\$ -
6	ECA - per kWh	See General Provisions	
7	ESA - per kW	See General Provisions	
8	RCA - per kW	See General Provisions	
9	Reactive Energy Charge	See Rate A-3(A)	
10	Energy Credit - per kWh	see Article 6	
		High Season <u>June - Sep.</u>	Low Season <u>Oct. - May</u>
<b>b. CG-3, Rate C</b>			
1	Service Charge	\$ 75.00	\$ 75.00

2	Facilities Charge- per kW	\$ 4.00	\$ 4.00
3	Demand Charge - per kW of Maximum Demand measured at Customer's Service Point		
	High Peak Period	\$ 9.00	\$ 4.00
	Low Peak Period	\$ 3.00	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh of Department supplied energy		
	High Peak Period	\$ 0.04390	\$ 0.03863
	Low Peak Period	\$ 0.03764	\$ 0.03863
	Base Period	\$ 0.01755	\$ 0.02197
5	Electric Vehicle Discount- per kWh	\$(0.02500)	\$(0.02500)
6	ECA - per kWh	See General Provisions	
7	ESA - per kW	See General Provisions	
8	RCA - per kW	See General Provisions	
9	Reactive Energy Charge	See Rate A-3(A)	
10	Energy Credit - per kWh	see Article 6	

	High Season June - Sep.	Low Season Oct. -May
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**c. CG-3, Rate D**

1	Service Charge	\$ 150.00	\$150.00
2	Facilities Charge - kW	\$ 4.00	\$ 4.00
3	Supplemental Capacity Charge - per kW of Supplemental Demand		
	High Peak Period	\$ 4.00	\$ 4.00
	Low Peak Period	\$ 3.00	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh		
	High Peak Period	\$ 0.04390	\$0.03863
	Low Peak Period	\$ 0.03764	\$0.03863
	Base Period	\$ 0.01755	\$ 0.02197
5	Backup Capacity Charge - per kWh of Backup Energy		
	High Peak Period	\$ 0.13110	\$ -
	Low Peak Period	\$ 0.03220	\$ -
	Base Period	\$ -	\$ -
6	Alert Period Energy Charge - per kWh		
	High Peak Period	\$ 0.64437	\$0.03863
	Low Peak Period	\$ 0.18512	\$ 0.03863
	Base Period	\$ 0.01755	\$ 0.02197
7	ECA - per kWh	See General Provisions	
8	ESA - per kW	See General Provisions	
9	RCA - per kW	See General Provisions	

10	Reactive Energy Charge	See Rate A-3(A)	
11	Energy Credit - per kWh	see Article 6	
		High Season	Low Season
		June - Sep.	Oct. - May
<b>d. CG-3, Rate E</b>			
1	Service Charge	\$ 150.00	\$ 150.00
2	Facilities Charge- per kW	\$ 4.00	\$ 4.00
3	Demand Charge - per kW of Maximum Demand measured at Customer's Service Point		
	High Peak Period	\$ 4.95	\$ 4.00
	Low Peak Period	\$ 3.00	\$ -
	Base Period	\$ -	\$ -
4	Energy Charge - per kWh of Department supplied energy		
	High Peak Period	\$ 0.04390	\$0.03863
	Low Peak Period	\$ 0.03764	\$0.03863
	Base Period	\$ 0.01755	\$0.02197
5	Alert Period Energy Charge - per kWh		
	High Peak Period	\$ 2.83700	\$0.03863
	Low Peak Period	\$ 1.20140	\$0.03863
	Base Period	\$ 0.01755	\$0.02197
6	Electric Vehicle Discount-per kWh	\$(0.02500)	(0.02500)
7	ECA - per kWh	See General Provisions	
8	ESA - per kW	See General Provisions	
9	RCA - per kW	See General Provisions	
10	Reactive Energy Charge	See Rate A-3(A)	
11	Energy Credit - per kWh	see Article 6	

### 3. Billing

The bill under Rates A or C shall be the sum of parts (1) through (10). The bill under Rates D or E shall be the sum of parts (1) through (11).

### 4. Definitions

#### a. Backup Capacity Charge

See Capacity Charge.

#### b. Backup Energy

For each billing period, Backup Energy is the energy that would have been generated by the customer's generator(s) if operated at maximum output in each Rating Period (High Peak, Low Peak, Base). Backup Energy is applicable when both the following conditions exist:

- Delivered energy as measured by the billing meter over a fifteen minute interval at the Service Point is greater than Supplemental Demand during any Rating Period within the billing month.
- Demand at the output point of the customer's generator as measured by the unit meter over a fifteen minute interval must be less than the Maximum Generation Demand during any Rating Period within the billing month.

**c. Capacity Charge**

There are two capacity charges in this rate schedule, Backup Capacity Charge and Supplemental Capacity Charge. The Capacity Charges are charges related to the cost of the facilities necessary to supply backup and supplemental services to the customer excluding costs that are recovered separately in the Facilities Charge.

**d. Rated Generation Capacity**

The power output capacity of a generating unit(s) under normal operating conditions. Factors used in determining RGC include, but are not limited to, nameplate rating and operating characteristics of any connected generation equipment on the premises. The Generation equipment used exclusively for emergency shall not be included in the RGC.

**e. Facilities Charge**

The Facilities Charge shall be based on the largest of:

- The highest actual demand level recorded for energy delivered by the Department in the last 12-months at the Service Point
- The highest actual demand level recorded for energy exported to the Department in the last 12-months at the Service Point

**f. Supplemental Capacity Charge**

See Capacity Charge.

**g. Maximum Coincident Demand**

The maximum of the coincident sum of the demand output at the generator or RGC, and the Department-delivered demand at the Service Point. RGC will be used in determining Maximum Coincident Demand only in the event the customer does not have a unit meter.

**h. Supplemental Demand**

The Maximum Coincident Demand per Rating Period, less the maximum measured customer generation demand or RGC in the respective Rating Period, but never less than zero.

**i. Momentary Interconnection**

The interconnection of a Generating Facility to the Distribution System for one second (60 cycles) or less.

**j. Parallel Operation**

The simultaneous operation of a Generator with power delivered or received by Department while Interconnected. Parallel Operation includes only those Generating Facilities that are Interconnected with the Utility's Distribution System for more than 60 cycles (one second).

**k. Electric Vehicle Discount**

See Schedule A-3, Rate A.

**5. Special Conditions**

**a. CG-3, Rate A**

**(1) Temporary Discontinuance of Customer Generation**

When customer-owned generation equipment has no measured output for two billing cycles, future bills will be calculated under the General Service Tariff to which the customer would be assigned absent customer-owned generation equipment. The customer can be returned to this schedule when the customer-owned generating equipment is again operational.

**(2) Unit Meter**

To qualify for this rate schedule a meter must be installed to measure the output of the customer-owned generation equipment.

**b. CG-3, Rate C**

**(1) Operational Requirements:**

Rate C is available to customers whose total Rated Generation Capacity located at a customer facility is less than 25 percent of the Maximum Coincident Demand and less than 1 MW. In the event a Rate C customer fails to comply with these requirements, the Department shall have the right to immediately transfer that customer

to Schedule CG-3, Rate A. If the customer does not have a unit meter on the customer-owned generation equipment, the customer's bill will be estimated until the unit meter is installed, for a period of up to six months. Upon conclusion of the six month period, if the unit meter has not been installed, the Department will terminate the customer's Interconnection Agreement and transfer the customer to the applicable General Service Rate Schedule.

- (2) At a minimum, Rate C customers must agree to operate their generating unit(s) during High Peak Periods in the High Season (June-Sep.)

**c. CG-3, Rate D and E**

- (1) All Special Conditions under Rate A shall apply to Rate D customers, and all Special Conditions under Rate C shall apply to Rate E customers.

- (2) CG-3, Rate D

Whenever the Department, in its sole judgment, requires customer to reduce load, it shall issue an Alert Period Notification. The Department may request customer to reduce demand for any service under this rate through issuance of an Alert Period with not less than one half-hour advanced notification. Customers who do not reduce demand or curtail load during each of 2 consecutive Alert Periods will be removed from Rate D and placed on Rate A, and shall not be eligible for service under the Rate D schedule for 5 calendar years.

- (3) CG-3, Rate E

Whenever the Department, in its sole judgment, requires customer to reduce load, it shall issue an Alert Period Notification. The Department may request customer to reduce demand for any service under this rate through issuance of an Alert Period with not less than two hour advanced notification. Customers who do not reduce demand or curtail load during each of 2 consecutive Alert Periods will be removed from Rate E and placed on Rate C, and shall not be eligible for service under the Rate E schedule for 5 calendar years.

- (4) Alert Period Notification

To receive service under Rate D or E , all customers, at their own expense, must have access to e-mail to receive Alert Period Notifications. The Department will send one notification per Alert Period to customer's:

- Primary e-mail address

- Secondary e-mail address or a wireless device that is capable of receiving a text message

Customer contact information shall be provided to the Department prior to establishing any service under this rate schedule. If a change in customer's e-mail address or text message address occurs, the customer is required to provide written notice to the Rates and Contracts Group in the form of a letter or e-mail. Receipt of Alert Period Notification is the responsibility of the participating customer. The Department does not guarantee the reliability of the text system or e-mail system by which the customer receives notification. Customer will be responsible for all charges incurred during an Alert Period even if actual notice is not received.

**(5) Alert Period**

Each Alert Period shall be a minimum duration of 4 hours, however not to exceed a maximum of 10 hours. Alert Period(s) are limited to six occurrences within any calendar year. Notification will be provided through Alert Period message including the date, start and end time. Customers will mitigate the increased cost of energy during Alert Periods by reducing electric consumption.

**(6) Contracts**

To receive service under this rate schedule, a customer shall sign a contract in addition to the Customer Interconnection Agreement with the Department.

**6. General Conditions**

**a. Agreement**

To receive Service under this Rate Schedule, the customer must first sign a Customer Generation Interconnection Agreement which provides that the customer will design, construct, operate and maintain the generating facility in compliance with all applicable codes, laws, electric service requirements, rules and prudent utility practices as determined in good faith by the Department.

**b. Character of Service**

Service will be supplied at one of the standard voltages. The customer's generation equipment and Interconnection Facilities must be in compliance with the Department's Electric Service Requirements.

**c. Energy Credit:**

The Energy Credit is calculated as the total number of Excess Energy supplied to the Department's system by the customer during each Rating Period times the dollar per kWh charge as determined by the Standard Energy Credit or the Daily Energy Credit.

Excess Energy is the energy generated by the customer beyond the customer's requirements and supplied to the Department's system.

**d. Standard Energy Credit**

The Standard Energy Credit shall be revised twelve times each year on the first day of the calendar month and shall remain in effect for the entire calendar month. It shall be determined by the Department Energy Control Center estimated hourly marginal energy production costs. The hourly energy production costs shall be averaged separately for each Rating Period. The Standard Energy Credit will be posted for each Rating Period on the Department internet site. If the Excess Energy is metered at 34.5 kV, the Standard Energy Credit for each Rating Period shall be multiplied by a factor of 1.014 to adjust for reduced losses on the Power System.

**e. Daily Energy Credit**

The Daily Energy Credit shall be posted two (2) weekdays ahead on the Department internet site before 6:00 p.m. Pacific Time on normal Department workdays. The Daily Energy Credit shall remain in effect until reposted. For example, the Daily Energy Credit values posted on Thursday shall apply to next Monday. The Daily Energy Credit is not available on Saturday and Sunday. The Daily Energy Credit shall be based on the Department Energy Control Center estimated hourly marginal energy production costs. The hourly energy production costs shall be averaged separately for each Rating Period. If the Excess Energy is metered at 34.5 kV, the Daily Energy Credit for each Rating Period shall be multiplied by a factor of 1.014 to adjust for reduced losses on the Power System. If the energy credit exceeds twice the customer's average monthly energy consumption bill, cash payment may be issued for the amount of Excess Energy purchased by the Department based on the Standard Energy Credit or the Daily Energy Credit. Only customers with Excess Energy and supply the Department system with demand levels greater than 100 kW may sign a contract that will allow payment for Excess Energy to be based on the Daily Energy Credit.

**f. Metering**

Meter installation and costs will be as defined in the Customer Generation Interconnection Agreement. The Department shall supply, own and maintain all necessary meters and associated equipment

utilized for billing and for measurement of Excess Energy. Time-of-use metering equipment and recorders are located at the Customer's Service Point and at the output point of the customer's generator(s) to measure electric energy and other electric parameters deemed appropriate by the Department.

**g. Reactive Energy Charge**

See Schedule A-3, Rate A.

**h. Wheeling Credits**

Wheeling Credits are not allowed under Schedule CG-3.

**i. Selection of Rates**

- A customer may choose to receive service under Rate A or D; and a customer may choose to receive service under Rate C or E, however, a customer voluntarily changing to Rate A from Rate D, or a customer voluntarily changing to Rate C from Rate E may not revert to the opposing rate before 12 months have elapsed.
- A Rate A qualifying customer may elect to receive service under Rate A or Rate C; however, a customer changing from Rate C to Rate A may not revert to Rate C before 12 months have elapsed.
- If billing meter measures delivered energy and received energy from both generation and solar loads at the Service Point the customer shall be placed on the applicable rate under Schedule CG-3.

**SCHEDULE OAL  
OUTDOOR AREA LIGHTING SERVICE**

Rate Effective September 1, 2008

**1. Applicability**

Applicable to Outdoor Area Lighting Service supplied from the Department's existing secondary overhead facilities of suitable phase and voltage. Not applicable to Private Lighting Lease agreements under OAL Lease program and for purposes of Department utilitarian lighting, Department general purpose lighting, and street and highway lighting.

**2. Base Monthly Rates**

<b>Outdoor Area Lighting Service*</b>	Charge per	kWh per
Light Type and Size	Light	Month
Mercury Vapor*		
175-watt	\$4.84	77
400-watt	\$8.31	170

High-Pressure Sodium*		
100-watt	\$4.25	53
200-watt	\$6.65	94

\*This Schedule is closed to all new installations.

### **3. Billing**

The bill shall be the Base Monthly Rate plus the ECA, ESA and RCA.

### **4. General Conditions**

#### **a. Character of Service**

Unmetered photoelectrically controlled lighting service will be provided using the Department's standard luminaires, control equipment and appurtenances mounted only on existing wooden poles of the Department's distribution system. Service will be provided hereunder only where the Department deems that the Installation will be of an established character.

#### **b. Installation and Removal of Facilities**

The Department will install the necessary lighting equipment and will own, operate, and maintain all necessary facilities. The Department shall not be required to install lighting equipment at locations where, in its judgment, the service may be objectionable to others. Furthermore, should any lighting equipment, once installed, be considered objectionable by others, the Department shall have the right at any time to discontinue service. The Department shall not be required to reconstruct any of its existing facilities to provide service hereunder. Facilities once installed specifically for this service will not be moved to another location, or changed in size, unless the full cost of such relocation or change is paid by the customer. Service furnished under this schedule will be discontinued at any location where overhead distribution lines supplying the service are subsequently converted to underground distribution.

#### **c. Operation Schedule**

Lamps will be lighted daily from dusk to dawn, approximately 340 hours monthly. The Department does not guarantee continuous lighting during such periods, and shall not be liable to the customer or anyone else for damage, loss or injury resulting from any interruption in such lighting due to any cause.

#### **d. Maintenance**

The Department will make any necessary repairs or lamp replacement within a reasonable time after being notified of a lighting outage by the customer, but only during regularly scheduled weekday working hours. Monthly bills will not be adjusted for outages.

**SCHEDULE LS-1  
GENERAL PURPOSE UTILITY LIGHTING SERVICE  
(UTILITY-OWNED SYSTEM)**

Rate Effective September 1, 2008

**1. Applicability**

Applicable to service for Department General Purpose Lighting and Utilitarian Lights.

**2. Base Monthly Rates – Multiple Service**

	High Season	Low Season
<b>a. Rate A – General Purpose Lighting Unmetered Service</b>	June – Sep	Oct - May
1 Base Energy Charge	See General Conditions in Section 6.g., below	
2 ECA – per estimated hours of use	See General Provisions	
3 RCA – per estimated hours of use	See General Provisions	

**3. Billing**

The bill under Rate A shall be the sum parts of (1) through (3).

**4. Series Service Adjustment**

\$1.33 per month shall be added to the Charges per Light as set forth in 2a above for Series Service.

**5. Pass-through Billing Components (ECA and RCA)**

The Charges under Rate A are subject to adjustment on a Kilowatt-hour basis for variation of energy costs and reliability costs as described in the General Provisions. The Kilowatt-hours shall be determined by multiplying Nominal Kilowatts per light by operating hours as prescribed in Sections 6.f. and 6.g., below, and rounded to the nearest Kilowatt-hour.

**6. General Conditions**

**a. Service Supply Points**

Service will be supplied at points mutually agreed upon between customers and the Department.

**b. Character of Service**

The Department will supply the energy and will own, operate, and maintain the entire system.

**c. Lamp Substitution**

For Incandescent-light systems, the Department reserves the right to use lumen-rated (group replacement) lamps.

**d. Temporary Turn-On**

For Temporary Turn-On of streetlights at times other than regularly scheduled hours of operation, the rate shall be \$76.00 per turn-on as a service charge, plus the energy charges, the ECA and RCA as defined in Rate A.

**e. Bills to Board of Public Works**

Bills for utilitarian lights shall be zero for the duration of this Ordinance. Utilitarian lighting shall be funded through the ESA.

**f. Operation Schedules**

After acceptance of customer's written application, lights will be controlled in accordance with one of the schedules of operation hereunder:

(1) Standard All-Night Schedule of Operation

Lights shall be turned on daily at 15 minutes after sunset and turned off 25 minutes before sunrise.

(2) Special Schedule of Operation

Earlier or later turn-off of lights, other than provided for under "Standard All-Night Schedule of Operation," may be provided under a suitable schedule of operation as mutually agreed upon by the Department and the customer, but only if the customer agrees to pay for any extra costs involved in furnishing special switching and other service in connection therewith.

(3) Photoelectric Controller Operation

In lieu of controlling any lighting system with reference to "sunset" and "sunrise" in schedules of operation, the Department may, at its option, control lamps by means of photoelectric controllers so that the lamps will be lighted daily from dusk to dawn, approximately 340 hours monthly.

**g. Energy Charge Calculation**

Base Energy Charge will be calculated based on the formula below:  
(Charge per Light = Nominal Kilowatts \* kWh Price<sub>Season, TOU</sub> \* Hour of Use<sub>TOU</sub>)

Nominal Kilowatts are the kilowatts supplied by the Department to feed the lighting load. Typically specified by the lamp manufacturer or can be determined by the Department lab.

Kilowatt-hour Price Season, TOU is the energy price specified by season (High Season and Low Season) and time-of-use periods (High Peak Period, Low Peak Period, and Base Period). Costs are based on the Schedule A-2 Rate B.

For any lights not covered in Section 6.f., above, the Hours of Use shall be based upon the following two time schedules:

- The Department Time-Of-Use schedule; and
- U.S. Naval Observatory Astronomical Application Department Sunrise and Sunset monthly average schedule for the Los Angeles area ([http://aa.usno.navy.mil/data/docs/RS\\_OneDay.html](http://aa.usno.navy.mil/data/docs/RS_OneDay.html))

**7. Un-metered Service Light Charges**

Un-metered Service Light Charges will be calculated on annual basis by the Electric Rates Section based on the most current lighting fixtures and standard monthly operating hours of 340 hours (All Night), 210 hours (1:00AM), 390 hours (All Day) and 730 hours (Continuous). The Department may choose the option to use actual lighting hours of use for a statistically valid sample of a group of metered lights.

**SCHEDULE LS-2  
STREET AND HIGHWAY LIGHTING SERVICE  
(CUSTOMER-OWNED SYSTEM)**

Rate Effective September 1, 2008

**1. Applicability**

Applicable to service, including energy and maintenance, for street and highway lighting (including tunnels, bridges, and parks).

**2. Base Monthly Rates - Multiple Service**

	High Season	Low Season
	June - Sep.	Oct. - May
<b>a. Rate A</b>		
1 Base Energy Charge	See General Conditions in Section 6.g., below	
2 ECA – per estimated hours of use	See General Provisions	

3 RCA – per estimated hours of use

See General Provisions

### **3. Series Service Adjustment**

\$1.33 per month shall be added to the Charges Per Light as set forth in 2 above for Series Service.

### **4. Pass-through Billing Components (ECA and RCA)**

The Charges Per Light as set forth in 2 above are subject to adjustment on a Kilowatt-hour basis for variation of energy costs and reliability costs as described in the General Provisions.

### **5. Billing**

The bill under Rate A shall be the sum parts of (1) through (3).

### **6. General Conditions**

#### **a.Character of Service**

- (1)The necessary posts or fixtures, brackets, luminaires, and underground interconnecting conduits and circuits must be provided by the customer at the customer's expense. Systems with overhead interconnecting circuits between posts may be served hereunder, with the customer providing posts, fixtures, brackets, and luminaires, and the Department providing, installing, and maintaining such overhead interconnecting circuits at extra cost.
- (2)Energy will be supplied at service points mutually agreed upon between the customer and the Department for multiple systems at 120 or 120/240 volts, or for series systems at 6.6 amperes. The Department reserves the right to provide multiple service at voltage ratings other than specified herein.
- (3)For incandescent-light systems, the Department reserves the right to use lumen-rated (group replacement) lamps.
- (4)All plans and specifications for the installation of, and the construction of, or changes to lighting systems shall be subject to approval of the Department, which shall have the right to inspect and to test the installations before acceptance for service. Testing of original system installations will be made without charge provided that such testing may be done without involving unreasonable time or expense due to faulty construction. Where it is contemplated that the Department will provide, install, and maintain overhead interconnecting circuits, the posts shall be located so that no extra supports for such overhead wiring will be required except as may be determined by the Department to be reasonably necessary.

(5) Where Series Service is furnished from Department overhead lines, the customer may mount cutout boxes on the Department's poles, and service connections will be run by the Department to such boxes. The Department will furnish vaults and all necessary appurtenances therein for lighting service in locations established by the Department as underground areas. Where Series Service from a vault is furnished, the customer shall install all ducts and conductors between the posts or fixtures and the vault.

(6) Maintenance of customer's equipment will be furnished by the Department as specified under "Normal Maintenance. "

(7) The Department will provide, install, and maintain overhead interconnecting circuits between posts accepted for such service subject to conditions and charges specified under "Maintenance Other Than Normal."

**b. Normal Maintenance**

(1) The Department will furnish normal maintenance which shall include:

(a) Periodic inspection, renewal of lamps and cleaning of glassware according to established schedules.

(b) Replacement of glassware and inoperative lamps.

(c) Maintenance of controlling devices according to established schedules.

(d) Cleaning and painting of posts.

(e) Minor repairs to wiring and electrical appurtenances on or within the posts.

(2) Normal Maintenance shall not include maintenance with respect to equipment developing defects in test or in service due to faults in design, manufacture, or installation until such defects have been satisfactorily corrected; nor replacement of damaged glassware or lamps when such damage is coincident with or is a result of partial or total demolition of post or when caused by vandalism, riots, fires, explosions, earthquakes, or Acts of Nature.

(3) Under this LS-2 Schedule, a \$2.50 charge is included in the Charge per Light for Normal Maintenance, as set forth in 6.g., below.

**c. Maintenance Other Than Normal**

The Department provides for maintenance or replacement of customer's equipment only as set forth in 6.b., above for Normal Maintenance. Consequently, the Department may not be required to furnish at its expense

any other maintenance work, nor replacement of posts or post parts, nor of underground cables or conduits beyond the Department's service feed points. Where the Department has approved the plans for an overhead-wired system, and has agreed to provide and install the overhead interconnecting circuits between the posts, it will provide such installation and maintenance service at an additional annual charge of \$21.78 per post.

**d. Temporary Turn-Ons**

For Temporary Turn-Ons of streetlighting at times other than regularly scheduled hours of operation, the rate shall be \$76.00 per turn-on as a service charge, plus \$0.06794 per Kilowatt-hour, plus the ECA and RCA. In such cases, the Kilowatt-hours shall be as determined by the Department.

**e. Bills to Board of Public Works**

Monthly bills for energy or lighting services rendered to the Board of Public Works or one of its subordinate departments or bureaus under this rate schedule shall be paid monthly when due.

**f. Operation Schedules**

Upon acceptance of the customer's system, lights will be controlled in accordance with one of the schedules of operation hereunder:

**(1) All-Night Schedule of Operation**

Lights shall be turned on daily at 15 minutes after sunset and turned off 25 minutes before sunrise.

**(2) 1:00 a.m. Schedule of Operation**

Lights shall be turned on daily at 15 minutes after sunset and shall be turned off at 1:00 a.m. Pacific Standard Time.

**(3) All-Day Schedule of Operation**

Lights will operate at all hours other than those specified under All-Night Schedule of Operation.

**(4) Continuous Schedule of Operation**

Lights will operate 24 hours per day.

**(5) Special Schedule of Operation**

Earlier or later turn-off of lights than is provided under "Standard All-Night Schedule of Operation" may be provided under a suitable schedule of operation as mutually agreed upon by the Department and the customer,

but only if the customer agrees to pay for any extra costs involved in furnishing special switching and other service required for such schedule.

#### **(6) Photoelectric Controller Operation**

In lieu of controlling any lighting system with reference to "sunset" and "sunrise" in schedules of operation, the Department may, at its option, control lamps by means of photoelectric controllers so that the lamps will be lighted daily from dusk to dawn, approximately 340 hours monthly.

#### **g. Energy Charge Calculation**

Base Energy Charge will be calculated based on the Charge per Light formula below:

$$(\text{Nominal Kilowatts} * \text{kWh Price}_{\text{Season, TOU}} * \text{Hour of Use}_{\text{TOU}} + \$2.50)$$

Nominal Kilowatts are the kilowatts supplied by the Department to feed the lighting load. Typically specified by the lamp manufacturer or can be determined by the Department lab.

Kilowatt-hour Price Season, TOU is the energy price specified by season (High Season and Low Season) and time-of-use periods (High Peak Period, Low Peak Period, and Base Period). Costs are based on Schedule A-2 Rate B.

For any lights not covered in section 6.f., above, the hours of use shall be based upon the following two time schedules:

- The Department Rating Periods schedule; and
- U.S. Naval Observatory Astronomical Application Department Sunrise and Sunset monthly average schedule for the Los Angeles area ([http://aa.usno.navy.mil/data/docs/RS\\_OneDay.html](http://aa.usno.navy.mil/data/docs/RS_OneDay.html))

### **SCHEDULE LS-3 STREET AND HIGHWAY LIGHTING SERVICE (CUSTOMER-OWNED SYSTEM - ENERGY ONLY) Rate Effective September 1, 2008**

#### **1. Applicability**

Applicable to service to public street, highway and freeway lighting systems, including supply of energy and circuit control facilities only and supply of energy only to freeway warning facilities and guide signs which are connected to series lighting systems.

#### **2. Base Monthly Rates- Multiple Service**

	High Season June - Sep.	Low Season Oct. - May
<b>a. Rate A - Street, Highway and Freeway Lighting Facilities - Unmetered</b>		
1 Base Energy Charge	See General Conditions in Section 6.e., below	
2 ECA – per estimated hours of use	See General Provisions	
3 RCA – per estimated hours of use	See General Provisions	
<b>b. Rate B - Street, Highway and Freeway Lighting Facilities - Metered</b>		
1 Energy Charge - per kWh	\$ 0.06558	\$ 0.04268
2 ECA - per kWh	See General Provisions	
3 RCA - per kWh	See General Provisions	
<b>c. Freeway Warning Facilities and Guide Signs Connected to Series Lighting Systems</b>		
1 Base Energy Charge	\$0.06794 per kWh for all energy use	
2 Base Minimum Charge	\$13.00 per service point per month	

### 3. Series Service Adjustment

\$1.33 per month shall be added to the Charges Per Light as set forth in 2.a., above, for Series Service.

### 4. Pass-through Billing Components (ECA and RCA)

The Charges under Rate A and Rate B are subject to adjustment on a Kilowatt-hour basis for variation of energy costs and reliability costs as described in the General Provisions. The Kilowatt-hours shall be determined by multiplying the Nominal Kilowatts by operating hours as set forth in Sections 6.d. and 6.e., below, and rounded to the nearest Kilowatt-hour.

### 5. Billing

The bill under Rate A and Rate B shall be the sum of parts (1) through (3).

### 6. General Conditions

#### a. Character of Service

- (1) The necessary posts or fixtures, brackets, luminaires, ducts, and interconnecting circuits for lighting systems must be provided by the customer at the customer's expense.

- (2) Energy will be supplied at service points mutually agreed upon between customers and the Department for multiple systems at 120 or 120/240 volts, or for series systems at 6.6 amperes. The Department reserves the right to provide multiple service at voltage ratings other than specified herein.
- (3) All plans and specifications for the installation of, and the construction of, or changes to lighting systems shall be subject to approval of the Department, which shall have the right to inspect and to test the installations before acceptance for service. Testing of original system installations will be made without charge providing such testing may be done without excessive expense due to faulty construction.
- (4) Where Series Service is furnished from Department overhead lines, the customer may mount cutout boxes on the Department's poles, and service connections will be run by the Department to such boxes. The Department will furnish vaults and all necessary appurtenances therein for lighting service in locations established by the Department as underground areas. Where Series Service from a vault is furnished, the customer shall install all ducts and conductors between the posts or fixtures and the vault.

**b. Determination of Billing**

- (1) Energy use for billing purposes under this schedule shall be calculated from Department records of customer's equipment or other records as approved by the Department. Kilowatt-hours for guide signs and other facilities shall be calculated from the connected load.
- (2) It shall be the responsibility of the customer to promptly notify the Department of any change in equipment or hours of operation affecting energy use.
- (3) The Department may, as it deems necessary, request an inventory of all of the customer's electrical equipment served under this schedule. Such requests shall not normally be made at intervals of less than six months.
- (4) If the customer does not provide the requested inventory, the Department may initiate other means of determining the customer's energy use and bill the customer under the appropriate General Service Schedule.

**c. Temporary Turn-Ons**

For Temporary Turn-Ons of streetlighting at times other than regularly scheduled hours of operation, the rate shall be \$76.00 per turn-on as a service charge, plus \$0.06794 per kilowatt-hour, plus the ECA and RCA. In such cases, the Kilowatt-hours shall be as determined by the Department.

#### **d. Un-metered Service Light Charges**

Un-metered Service Light Charges will be calculated on annual basis by the Electric Rates Section based on the most current lighting fixtures and standard monthly operating hours of 340 hours (All Night), 210 hours (1:00AM), 390 hours (All Day) and 730 hours (Continuous). The Department may choose the option to use actual lighting hours of use for a statistically valid sample of a group of metered lights.

#### **e. Energy Charge Calculation**

Base Energy Charge will be calculated based on the formula below:  
(Charge per Light = Nominal Kilowatts \* kWh Price<sub>Season, TOU</sub> \* Hour of Use<sub>TOU</sub>)

Nominal Kilowatts are the kilowatts supplied by the Department to feed the lighting load. Typically specified by the lamp manufacturer or can be determined by the Department lab.

Kilowatt-hour Price Season, TOU is the energy price specified by season (High Season and Low Season) and time-of-use periods (High Peak Period, Low Peak Period, and Base Period). Costs are based on Schedule A-2 Rate B.

For any lights not covered in Section 6.d., above, the hours of use shall be based upon the following two time schedules:

- The Department Rating Periods schedule; and
- U.S. Naval Observatory Astronomical Application Department Sunrise and Sunset monthly average schedule for the Los Angeles area ([http://aa.usno.navy.mil/data/docs/RS\\_OneDay.html](http://aa.usno.navy.mil/data/docs/RS_OneDay.html))

### **GENERAL SERVICE RIDER EZ**

#### **ENTERPRISE ZONE**

Rate Effective September 1, 2008

#### **1. Applicability**

Applicable to new General Service Commercial and Industrial customers with permanent electric service who are newly located in State-designated Enterprise Zones, Federally-designated Empowerment Zones or a Federally-designated Renewal Community (hereinafter Enterprise Zone) and to existing customers within such zones who increase energy consumption in accordance with the criteria as set forth in Section 4 below.

Any business already receiving the EZ discount when acquired by a new owner, or when moved to another location within any Enterprise Zone, will have to submit an EZ application in the new name or for the new address. Contingent

upon Community Development Department (CDD) and LADWP approval, the business shall retain the discount to the original applicant's expiration date.

Any business that purchases or assumes an asset or a subsidiary of a company already receiving the discount shall not be considered a new business. Contingent upon LADWP approval, the new business owner shall retain the discount to the original applicant's expiration date.

The Department reserves the right to limit the amount of electric energy dedicated to customers receiving service hereunder to two hundred (200) megawatts.

Not applicable to:

- Any business which has established electric service in an enterprise zone more than eighteen months before applying for this rider even if it changes ownership; changes name(s); or, goes into, or emerges from receivership or bankruptcy.
- Commercial enterprises such as rental facilities, common area meters or where more than one customer is served from a single meter.
- Temporary or occasional enterprises with known or expected tenures of less than two years nor to meters that are for temporary services.
- Permanent or temporary residential facilities, nor to their common areas.
- Any service established on Experimental Rates.
- Any service exempted from the City Utility Users Tax.
- Any service receiving Service Rider DR.
- Service that parallels, and connects to, the customer's own generating facilities, except as such facilities are intended solely for emergency standby.
- Notwithstanding any amendments to this rider, customer shall continue to receive, for the 60-month period provided herein, the rate which was established by the Department at the time of initial application as applicable to said customer.
- Upon termination of the enterprise zone designation, any customer receiving the Service Rider EZ may continue to receive the balance of the 60-month period to the original expiration date. The customer may not apply to transfer the Service Rider EZ to another location nor may a new owner apply to receive the balance of the original Service Rider EZ.

## 2. Rate Duration and Billing

The applicable General Service Schedules will be reduced during the first 60 months of continuous service after verification of Enterprise Zone eligibility as follows:

<b>General Service Billing Components</b>	<b>1<sup>st</sup> Year</b>	<b>2<sup>nd</sup> Year</b>	<b>3<sup>rd</sup> Year</b>	<b>4<sup>th</sup> Year</b>	<b>5<sup>th</sup> Year</b>
	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
Service Charges	35	30	25	20	10
Demand Charges	35	30	25	20	10
Energy Charges	35	30	25	20	10
Facilities Charges	35	30	25	20	10
Reactive Energy Charges	35	30	25	20	10
Energy Cost Adjustment	-0-	-0-	-0-	-0-	-0-
Reliability Cost Adjustment	-0-	-0-	-0-	-0-	-0-
Energy Subsidy Adjustment	100	100	100	100	100

## 3. Qualification and Application for General Service Rider

Preliminary qualification shall be determined and application for service arranged by the Los Angeles Community Development Department, which shall transmit such application to the Department for final determination. Requisite to application of this rider is that the new customer had established service under a standard rate schedule no earlier than 18 months before the application date. The rate reductions set forth herein shall become effective no earlier than one billing period after receipt of the application by the DWP, provided however, that any existing billing arrearages are first cleared.

## 4. Increased Energy Usage by Existing Customers

This rider is also applicable to existing customers whose average energy consumption in the six-month period before the date of application was at least 35 percent greater than the monthly average in the prior twelve months. If such criterion is not initially met, the application will be reviewed six months later, at which time the latest six-month average usage will become the basis of comparison to the same twelve-month monthly average. Customers not qualifying under these provisions may reapply no sooner than eighteen months after the original application.

### **GENERAL SERVICE RIDER DR DISASTER RECOVERY** Rate Effective September 1, 2008

#### 1. Applicability

Applicable to any commercial or industrial customer occupying premises that received service under General Service Rate Schedules during the occurrence of a major disaster, either natural or man-caused, resulting in widespread destruction to property and is declared by the Mayor and confirmed by the City Council to be a local emergency. This service is not applicable to:

- Commercial enterprises such as rental facilities, common area meters or where more than one customer is served from a single meter.
- Temporary or occasional enterprises with known or expected tenures of less than two years, nor to meters that are for temporary services.
- Permanent or temporary residential facilities, nor to their common areas.
- Any service established on Experimental Rates.
- Any service exempted from the City Utilities Users Tax.
- Any service receiving General Service Rider EZ.

Service may be reestablished with this rider for those premises completely destroyed as a result of the disaster and upon which actual rebuilding begins within twenty-four (24) months of the date of Declaration of a Local Emergency by the Mayor. The rebuilding must occur pursuant to a Department of Building and Safety Permit No. 1, or Permit No. 3 to replace structures which had been razed to their foundations.

This service rider is subject to periodic assessment of conditions prevailing in the City and to the objectives of the Department, and the Department reserves the right to limit the number of customers receiving service hereunder.

**2. Rate Duration and Billing**

The applicable General Service Schedules will be reduced during the first 60 months of continuous service in the reconstructed original facilities as follows:

Billing Components	1 <sup>st</sup> Year	2 <sup>ND</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year
	%	%	%	%	%
Service Charges	35	30	25	20	10
Demand Charges	35	30	25	20	10
Energy Charges	35	30	25	20	10
Facilities Charges	35	30	25	20	10
Reactive Energy Charges	35	30	25	20	10
Energy Cost Adjustment	-0-	-0-	-0-	-0-	-0-
Reliability Cost Adjustment	-0-	-0-	-0-	-0-	-0-
Energy Subsidy Adjustment	100	100	100	100	100

Customers forced by the total destruction of their premises to establish new services in unaffected premises within the immediate surrounding community are eligible to receive the benefits above for a duration of twenty-four (24) months, which may then be extended to the balance of the 60 months upon return to the newly rebuilt original premises as first occupants.

### **3. Qualification and Application for General Service Rider**

Preliminary qualification shall be determined and application for this service arranged, by the Los Angeles Community Development Department (CDD), which shall transmit such application to the Department for final determination. The CDD shall determine the bounds of the "immediate surrounding community" per Mayor's Declaration. The rate reductions set forth herein shall become effective no earlier than one billing period after receipt of the application by the DWP, provided however, that any existing billing arrearages are first cleared.

## **SCHEDULE TC**

### **TRAFFIC CONTROL SERVICE**

Rate Effective September 1, 2008

#### **1. Applicability**

Applicable to unmetered service to traffic signals, guide signs and warning facilities operated by the City of Los Angeles.

#### **2. Pass-through Billing Components (ECA and RCA)**

\$0.06558 per Kilowatt-hour for all energy use in High Season and \$0.04268 per Kilowatt-hour for all energy use in Low Season. This charge shall be zero for the duration of this Ordinance.

#### **3. Base Energy Charge**

The Charges under Schedule TC are subject to adjustment on a Kilowatt-hour basis for variation of energy costs and reliability costs as described in the General Provisions. This charge shall be zero for the duration of this Ordinance.

#### **4. Billing**

The bill shall be the Base Energy Charge determined based upon Section 5.B., below, plus the ECA and RCA.

#### **5. General Conditions**

##### **A. Character of Service**

- (1) Rates provided for herein do not cover use by the customer of the Department's underground duct space.

- (2) Energy will be furnished at service points mutually agreed upon between the customer and the Department.

**B. Determination of Energy Use**

- (1) Energy supplied under this schedule will not be metered. Each customer shall furnish to the Department, at intervals of not more than three months, a consolidated inventory of all of the customer's electrical equipment being supplied energy under this schedule, along with a determination of the total average watts input to all of said equipment combined. The inventory shall readily identify the wattage, duty cycle and location of the equipment. This inventory and wattage determination shall be used by the Department to estimate the customer's kilowatt-hours of energy usage.
- (2) The Department may whenever it deems it to be advisable, conduct a field inventory of a customer's electrical equipment being served under this schedule to determine whether, in the Department's opinion, the customer's inventory is being properly maintained. If the contrary is found to be the case, or in the event the customer does not furnish the inventory and wattage, the Department may estimate energy use and bill the customer under the appropriate General Service Schedule.

**SERVICE RIDER REO  
RENEWABLE ENERGY OPTION  
Rate Effective September 1, 2008**

1. Applicability

Applicable to customers served under Schedules R-1, A-1, A-2 and A-3 who elect to participate in a program to further the development and usage of renewable generation resources for use in the City of Los Angeles. The rider is available to customers who volunteer to share the cost of such development and usage by selecting a percentage of energy usage from renewable generation resources as specified and paying for such selection via the Renewable Energy Adjustment (REA), as established in the General Provisions.

2. Billing

The REA under this Rider shall be in addition to, not in lieu of, a customer's regular billing under the standard rate schedules established in this Ordinance. Such additional charges shall be determined as follows:

$$REA = \frac{A * B * C}{100}$$

Where:

A = Renewable Energy Adjustment Factor (REAF) as established in the General Provisions.

B = Percent of customer's total electrical energy usage chosen from renewable generation resources.

C = Total energy consumed (kWh) in the billing period.

### 3. Special Conditions

#### **Renewable Electrical Energy (Green Power)**

Green Power is electrical energy derived from, but not limited to, the following sources: wind, solar, geothermal, biomass, waste gas recovery or small hydroelectric. The Department will determine from time to time the mix of available Green Power.

To meet the customer's demand for Green Power, the Department may utilize its existing current Green Power resources, purchase Green Power on a spot basis from the open market, and/or acquire Green Power from newly developed resources either through purchase contracts and/or capital investments in Green Power generating facilities.

The Department may acquire Green Power from these newly developed resources, for sale under this rider, only after 20,000 Department customers have chosen to purchase Green Power. However, if the number of customers choosing to purchase Green Power is less than 20,000, but the aggregate amount of Green Power they have chosen to purchase exceeds 2,000,000 kWh per month, then the Department may acquire Green Power. Purchases of Green Power by the City of Los Angeles will not be used to satisfy these conditions.

The Department may acquire these newly developed Green Power resources subject to the additional constraint that, at any point in time, the total amount of such Green Power acquired by the Department shall never exceed the amount of Green Power purchased by the Department's customers pursuant to this rider.

Pursuant to the authority of Charter Sections 219.4 and 390, the Mayor and the City Council must approve of all Green Power purchase contracts of three years or more in duration and all capital investments in new Green Power generating facilities, or any other types of new generating facilities, which include the purchasing, financing and/or leasing of these facilities, if the investment exceeds five million dollars (\$5 million).

### 4. General Conditions

Customers choosing to participate must do so, in writing, in a form acceptable to the Department. Each customer's commitment to Green Power shall initially be for no less than 12 months at the selected percentage. Thereafter, participation continues

month-to-month and may be increased, decreased or terminated upon 15 day's notice.

The Renewable Energy Percentage may be selected by the customer provided that, as a minimum, Residential Service and Small General Service customers select a Renewable Energy Percentage of at least 20 percent; General Service customers select a Renewable Energy Percentage so that their usage of Green Power exceeds 500 kWh per month; and Large General Service customers select a Renewable Energy Percentage so that their usage exceeds 1,000 kWh per month.

The Department is authorized to estimate, based upon the customer's previous bills over a 12-month period, the REA along with the remainder of a customer's bill for the year ahead and offer a customer a uniform payment each billing period to be adjusted on the basis of actual usage at the end of the year.

Electrical energy available from renewable resources is highly contingent on weather and other acts of nature. The Department does not guarantee that the renewable electrical energy supplied will equal the renewable electrical energy demanded in any increment of time or billing period. The Department will use its best efforts using accepted utility practice to meet the demand for renewable electrical energy. Shortfalls in the supply of renewable electrical energy will be met by available electrical energy from the Department. Customers participating in the REO are deemed not to be harmed by any shortfall in renewable electrical energy; nor does the Department have an obligation to said customer in the event of such a shortfall.

Customers who choose the REO will not receive electrical energy from a specific renewable resource delivered directly to their premises. Rather, by choosing the REO, the customer authorizes a particular level of renewable electrical energy to be added to the Department's overall system.

An annual report on the REO will be made available to all customers by March 1 of each year covering REO activities of the preceding calendar year. The report will include, at minimum, information on renewable electrical energy sold, renewable electrical energy supplied, and a full financial disclosure of the REAF.

## **GENERAL PROVISIONS**

Effective September 1, 2008

That the General Provisions relating to electrical service supplied under schedules prescribed herein are as follows:

### **A. RATE APPLICABILITY AND RULES**

The application, interpretation, and administration of the provisions herein are subject to such rules as may from time to time be promulgated by the Board of Water and Power Commissioners under its power and duty to administer the affairs of the Department of Water and Power. The application, interpretation,

and administration of these provisions and rules by the Board of Water and Power Commissioners shall be final.

**B. SURPLUS ELECTRICAL ENERGY - PARAMOUNT RIGHT OF THE CITY OF LOS ANGELES**

Only surplus electrical energy, owned or controlled by the City of Los Angeles and not required for use of customers served by the City within its limits, may be supplied or distributed outside said City; provided that the supplying or distribution of such surplus electrical energy shall, in all cases, be subject to the paramount right of the City at any time to discontinue the same, in whole or in part, and to take and hold, or to distribute such surplus electrical energy for the use of the City and its inhabitants.

**C. METERING**

For the purpose of computing charges, each meter on the customer's premises will be considered separately, and readings of two or more meters will not be combined as equivalent to measurement through one meter, except when such combination is for the convenience of the Department. No application shall be accepted for service through a master meter, under any schedule herein, to any multifamily dwelling consisting of two or more separate family accommodations unless the applicant submeters the individual units and charges tenants no more than if they were direct customers of the Department. If a master-metered multifamily dwelling facility is converted to individual metering, it shall not be reconverted to master metering.

**D. SEASONS**

Effective July 1, 2009

<b>High Season</b>	The period from June 1 to September 30
<b>Low Season</b>	The period from October 1 to May 31

**E. RATING PERIODS**

<b>High Peak Period</b>	1:00 p.m. – 5:00 p.m. Monday through Friday (20 hours/week)
<b>Low Peak Period</b>	10:00 am. - 1:00 p.m. Monday through Friday 5:00 p.m. – 8:00 p.m. Monday through Friday (30 hours/week)
<b>Base Period</b>	8:00 p.m. – 10:00 a.m. Monday through Friday, All Day Saturday and Sunday (118 hours/week)

**F. TIME AND MANNER OF PAYMENT OF BILLS**

All bills for electric service hereunder, except as provided otherwise in the schedules, are due and payable upon presentation; bills shall become delinquent nineteen (19) days after date of presentation. If bills are not paid upon becoming delinquent, the Department may impose a late payment charge and/or discontinue the electric service in accordance with applicable law or the Department's Rules. The Department shall not be liable to the customer or anyone else for damage, loss or injury resulting from such discontinuance of service. Payment shall be made in person or by mail at offices of the Department, or at the option of the Department to its authorized collectors.

**G. ENERGY COST ADJUSTMENT (ECA)**

1. An ECA shall be added to bills under each service schedule herein, and any contracts wherein it is specified, on the basis of total energy use. The ECA recovers the costs of fuel, purchased power including renewable resources, and demand side management (DSM) costs, including revenue losses through application of the Energy Cost Adjustment Factor (ECAF) and other variable operational costs as specified.
2. The ECAF shall be calculated four times each year and shall take effect January 1, April 1, July 1, and October 1, respectively.

The ECAF formula, expressed to the nearest \$0.00001 per kilowatt-hour (kWh), is:

$$\text{ECAF} = \frac{(a)+(b)+(c)+(d)+(e)+(f)+(g)}{(h)} - i$$

Where:

- (a) is the estimated fuel expense for 12 months commencing with the effective date of the ECAF. This expense shall be the total cost of fuel, related fuel prepayment expense, related transportation, storage facilities, emission costs, emission taxes, cost of reducing greenhouse gas emission, audit costs related to fuel, and funding requirement associated with the decommissioning of generation facilities for the production of electrical energy to serve all of the Department's customers for which expenditures have been approved in advance by the Board of Water and Power Commissioners for inclusion in the fuel component of the ECA.
- (b) is the estimated purchased power expense for 12 months commencing with the effective date of the ECAF. This expense shall include all charges associated with capacity, transmission service, energy purchased by the Department from all sources (including parallel generators) except charges for electricity purchased at established retail tariffs from other utilities for use in Department offices, stations,

and other facilities for production of electrical energy to serve all of the Department's customers, and any energy purchased prepayment expense, for which expenditures have been approved in advance by the Board of Water and Power Commissioners for inclusion in the purchased power component of the ECA.

- (c) is the estimated expense associated with procurement and acquisition of renewable portfolio standard (RPS) for 12 months commencing with the effective date of the ECAF. This expense shall include all charges associated with renewable resource energy, capacity, RPS related prepayment expense, operation and maintenance, depreciation, and interest expenses for generation and transmission as determined by the Chief Financial Officer, and have been approved in advance by the Board of Water and Power Commissioners for the inclusion in the RPS component of the ECA.
- (d) is the estimated Demand-Side Management (DSM) cost, reduced by funding from other sources, for qualified DSM projects for the 12 months commencing with the effective date of the ECAF, provided, however, that such costs may not exceed ten percent of the sum of (a), (b), and (c) above. DSM costs are those incurred for the acquisition and installation of devices and systems, including incentive payments, audit costs related to DSM, and administrative costs, which are part of those programs or projects designed to lower and control Power System Demand or consumption, and for which expenditures have been approved in advance by the Board of Water and Power Commissioners for inclusion in the Demand-Side Management component of the ECA.
- (e) An amount equal to the latest Board of Water and Power Commissioners' approved cumulative energy efficiency savings commencing July 1, 2006 multiplied by the factors as follows:
 

For FY 2007-08	\$.04805/KWh
For FY 2008-09	\$.05263/KWh
For FY 2009-10 and following	\$.05513/KWh
- (f) An amount equal to the City transfer percentage multiplied by the sum of (a) through (e) immediately above.
- (g) The balance in the ECA Account, as described in Section 3 below.
- (h) The estimated retail energy sales for the 12 months commencing with the effective date of the ECAF, less sales to other City departments under Schedules LS-1 and TC.
- (i) Adjustment as follows:
 

Effective upon enactment	\$0.0175/KWh
July 2008	\$0.0150/KWh

July 2009 and following

\$0.0125/KWh

3. An ECA Account shall be maintained by the Department. Entries to this account shall include:

- (a) At the end of each month, an amount equal to the qualified expenses identified in General Provisions F.2.(a),(b),(c), and (d) above as recorded during the month.
- (b) At the end of each month, an amount equal to the net cost or credit for the disposal of residues, uncollectible ECA portion of customer energy bills as recorded during the month, and expense recognized for legal and court costs or any judgment or settlement including interest payments thereon.
- (c) Less: At the end of each month, refunds (including interest) received by the Department from any of its fuel suppliers and net revenue from fuel consumed in providing steam to customers and revenues collected from the renewable electrical energy (Green Power) adjustment.
- (d) At the end of each fiscal year, an amount equal to the Board of Water and Power Commissioners' approved cumulative energy efficiency savings commencing July 1, 2006 forward, multiplied by the factors as follows:

For FY 2007-08	\$.04805/KWh
For FY 2008-09	\$.05263/KWh
For FY 2009-10 and following	\$.05513/KWh

- (e) At the end of each month, an amount equal to the City transfer percentage multiplied by sum of (a) through (d) immediately above.
- (f) At the end of each fiscal year, an amount equal to actual sales to retail customers (net of Street Lighting and Traffic Control) multiplied by \$0.06763/KWh minus base rate revenue (net of Street Lighting and Traffic Control) recorded in the general ledger during the fiscal year. The resulting amount shall in no event be less than zero.
- (g) Less: At the end of each fiscal year, an amount equal to Sections 4 (b), and 4.(c) below.
- (h) Less: At the end of each month, an amount equal to the revenue billed during the month under the ECA plus the lesser of the revenue billed to retail customers in accordance with contracts that are not subject to ECAF or the product of energy sales pursuant to such contracts and the ECAF then in effect. For purpose of determining ECA revenue billed to contract customers, the conversion portion of the City of Los Angeles Sanitation Fund (Hyperion) contract is excluded.

- (i) Less: At the end of each month, an amount equal to the lesser of actual revenue from wholesale marketing energy sales to other electric utilities and to the Department of Water Resources, or equivalent revenue as derived by the sum of hourly product of the system marginal cost and wholesale marketing energy sales.
- (j) Less: At the end of each month, an amount equal to the retail energy sales for the month excluding the conversion portion of the City of Los Angeles Sanitation Fund (Hyperion) contract and adjusted for energy sales from uncollectible bills and customer adjustments multiplied by the factors as defined below and multiplied by (1 - city transfer percentage/100).

Effective upon enactment	\$0.01881/KWh
July 2008	\$0.01613/KWh
July 2009 and following	\$0.01344/KWh

4. A Rate Stabilization Account shall be maintained by the Department. Entries to this account at the end of each fiscal year shall include:
- (a) An amount equal to the sum of expenses recognized as extraordinary items, asset write offs, variable rate bond interest expense exceeding 4%, loss of base rate revenue associated with uncollectible customer bills and operation and maintenance costs due to extraordinary events as directed by the Chief Financial Officer. The calculation of variable interest expense shall include all variable rate debt bonds and commercial paper outstanding as of the end of the previous fiscal year.
  - (b) Expense recognized for legal and court costs or any judgment or settlement including interest payments thereon as directed by the Chief Financial Officer.
  - (c) At the end of each fiscal year an amount equal to actual sales to retail customers (net of Street Lighting and Traffic Control) multiplied by \$0.06763/KWh minus base rate revenue (net of Street Lighting and Traffic Control) recorded in the general ledger during the fiscal year as directed by the Chief Financial Officer. The resulting amount shall in no event be less than zero. The sum of items 4. (a), (b), and (c) shall be set to the balance of the Rate Stabilization Account as of the end of the previous fiscal year if exceeding the balance.
  - (d) Less: At the end of each fiscal year, an amount equal to net wholesale revenue from generation activities as directed by the Chief Financial Officer. Net wholesale revenue is equal to wholesale marketing capacity and energy revenue plus net revenue from wholesale marketing swap transactions, less the amount in item 3 (i). The resulting amount shall in no event be less than zero.

- (e) Less: At the end of each fiscal year an amount equal to base rate revenue recorded (net of Street Lighting and Traffic Control) in the general ledger during the fiscal year minus actual sales to retail customers (net of Street Lighting and Traffic Control) multiplied by \$0.06763/KWh. The resulting amount shall in no event be less than zero.
5. Any deferred amount referenced in the General Provisions Section 5, Subsection F.3.m and Section 5, Subsection 4 of Ordinance No. 177868 shall be the beginning balance of the Rate Stabilization Account in Section 4 above. The sum of Items 4 (d) and (e) above shall be limited such that the Rate Stabilization account does not exceed the Rate Stabilization Target amount.
  6. As of the Ordinance effective date, the ECA shall be calculated as set forth above, provided that the change in quarterly adjustment shall not exceed the prior quarter's ECAF by more than \$0.001/kWh. However, the following additional adjustments shall be made as follows:

Effective upon enactment		\$0.0025 /KWh
Quarter beginning July	2008	\$0.0025 /KWh
Quarter beginning July	2009	\$0.0025/KWh

7. The quarterly charge of \$0.001/kWh limit may be increased to maintain the Department's financial integrity if deemed necessary by the Board of Water and Power Commissioners. Any proposed increase to be considered by the Board of Water and Power Commissioner shall be communicated to the City Council.
8. The Rate Stabilization Target amount referenced in Section 5 shall be set by resolution of the Board of Water and Power Commissioners and changed from time to time to maintain financial stability.
9. The City transfer percentage is defined as the percentage of audited gross operating revenue used to calculate the latest transfer of surplus money from the Power Revenue Fund to the City's Reserve Fund.

**H. ELECTRIC SUBSIDY ADJUSTMENT (ESA)**

(A history of Energy Subsidy Adjustment Factors may be found at the Department internet site under the heading Electric Subsidy Adjustment Factor)

1. An ESA shall be added to bills under each service schedule herein, and any contracts wherein it is specified. The Residential Service ESA shall be based on total energy use. The General Service ESA shall be based on demand, as determined for the Facilities Charge. The ESA recovers the cost of credits given to Lifeline and Low-Income Residential customers, credits to General Service customers subsidized under Enterprise Zone and Disaster Recovery rates, as well as credits to City Agencies resulting from zero billing under Schedules LS-1 and Traffic Control, through application of the Electric Subsidy Adjustment Factor (ESAF). The

ESAF shall be calculated once each year and shall become effective on January 1.

2. Residential ESAF: The Residential ESAF shall be determined by the following relationship and expressed to nearest \$0.00001 per kilowatt-hour.

$$\text{ESAF} = \frac{(a) + (b)}{(c)}$$

Where:

- (a) Variable a is the annual estimated cost of the Lifeline, Low-Income, Enterprise Zone, Disaster Recovery, Street Lighting and Traffic Control billing subsidies, including administrative costs allocated to the Residential class in proportion to its annual energy use.
- (b) Variable b is the Residential class allocation of the balance in the ESA account as described in 4 below.
- (c) Variable c is the estimated annual Residential retail energy sales, excluding Lifeline and Low-Income Residential sales.

3. General Service ESAF: The General Service ESAF shall be determined by the following relationship and expressed to the nearest \$0.01 per kilowatt.

$$\text{ESAF} = \frac{(d) + (e)}{(f)}$$

Where:

- (d) Variable d is the annual estimated cost of the Lifeline, Low Income, Enterprise Zone, Disaster Recovery, Street Lighting and Traffic Control billing subsidies, including administrative costs, allocated to the General Service classes in proportion to their annual energy use.
- (e) Variable e is the General Service class allocation of the balance in the ESA Account as described in 4 below.
- (f) Variable f is the annual estimated General Service class non-coincident demands.

4. An ESA Account shall be maintained by the Department. Entries to this account at the end of each fiscal year shall include:

- (a) The sum of all Lifeline and Low-Income Subsidy Credits for the year.
  - (b) The sum of all Enterprise Zone and Disaster Recovery subsidies for the year.
  - (c) The sum of all Street Lighting and Traffic Control billing subsidies for the year.
  - (d) The costs of administering the Lifeline, Low Income, Enterprise Zone and Disaster Recovery services.
  - (e) Less: an amount equal to the revenue billed during the year under ESA.
5. Notwithstanding the forgoing, the Electric Subsidy Adjustment as calculated and effective for the period beginning January 1, 1997 shall be and remain the Electric Subsidy Adjustment for all schedules and contracts to which it is applicable and no further annual adjustments shall be made to the Electric Subsidy Adjustment until such time as this Subparagraph is amended, deleted or modified.

**I. RESALE OF ENERGY**

The resale of electrical energy by Department customers is prohibited. However, it is not deemed a resale if energy supplied by the Department is passed through a distribution system of a landlord where the end-user of the electrical energy pays no more than if the Department provided the energy directly. Also, charging batteries for electric-powered vehicles, or other purposes, shall not be deemed resale of electrical energy.

**J. EMERGENCY ENERGY AND CAPACITY CURTAILMENT PLANS OF THE CITY OF LOS ANGELES**

- 1. The Department shall administer the Emergency Energy and Capacity Curtailment Plans, hereinafter referred to as the "Plans," as established by ordinance of the Council of the City of Los Angeles, in accordance with the provisions thereof.
- 2. All customers of the Department, upon request, shall provide the Department with information whereby their services can be classified in order to establish the appropriate class of service rendered to such customers pursuant to the provisions of said Plans.
- 3. The Department shall classify each customer in accordance with the information submitted by such customer or, in the absence thereof, by the Department's determination of such customer's

classification. In the event the customer disagrees with the Department's classification, the customer may request a hearing in accordance with the procedure for application of relief set forth in the Plans.

4. The Department is authorized and directed to impose a surcharge on the electric bill of any customer as provided in said Plans and, in addition, shall have the right and duty to discontinue such services as further provided in said Plans. The proceeds of such surcharge shall be deposited in the Power Revenue Fund.
5. The right of the Department to impose the surcharge and the discontinuance of electric service as set forth in said Plans shall be considered separate and distinct from any additional or separate right the Department has to impose any charge or to discontinue electric service.

**K. EXPERIMENTAL RATES**

Experimental Rates are established to study customer reactions to new and innovative rate structures. The Power System will establish availability and eligibility criteria for Experimental Rates.

**L. RELIABILITY COST ADJUSTMENT (RCA)**

1. An RCA shall be added to bills under each service schedule herein, and any contracts wherein it is specified. The Residential Service RCA shall be based on total energy use. The General Service RCA shall be based on demand, as determined for Facilities Charge. The RCA recovers the operation, maintenance and debt service expenses of the Power System Reliability Program (PRP), through the application of the Reliability Cost Adjustment Factor (RCAF). The RCAF shall be calculated as of the Ordinance effective date, July 1, 2008 and July 1 each year thereafter.
2. Residential RCAF shall be calculated by the following formula and expressed to the nearest \$0.0001 per kilowatt-hour.

$$\text{RCAF} = \frac{(a+b+c)*(d)+(e)}{(f)}$$

Where:

- (a) is the estimated 12 months Power Reliability Program (PRP) operation and maintenance expenses exceeding \$290 million for the fiscal year 2007-08 and thereafter approved in advance by the Board of Water and Power Commissioners to be included in RCAF . The resulting amount shall in no event be less than zero.
- (b) is the estimated 12 months debt service of PRP capital expenditures exceeding \$320 million for the fiscal year 2007-08 and thereafter

approved in advance by the Board of Water and Power Commissioners to be included in RCAF plus prior years cumulative debt service of PRP commencing as of the Ordinance effective date.

- (c) is an amount equal to the City transfer percentage multiplied by the sum of (a) and (b) above.
  - (d) is the estimated 12 months residential customer net of low income and life line consumption divided by the sales to ultimate customers net of low income and life line consumption.
  - (e) is the balance in Residential RCA account as described in Section 3 below.
  - (f) is the estimated annual Residential retail energy sales, net of Lifeline and Low-Income Residential sales.
3. A Residential RCA Account shall be maintained by the department. Entries to this account at the end of each fiscal year shall include:
- (a) An amount equal to 16.7% of PRP operation and maintenance expenses exceeding \$290 million for fiscal year 2007-08 and thereafter an amount equal to PRP operation and maintenance expenses less \$290 million as recorded during the year. The resulting amount shall in no event be less than zero.
  - (b) An amount equal to 16.7% of the debt service portion associated with the recorded PRP capital expenditures exceeding \$320 million for the fiscal year 2007-08. For fiscal years thereafter, the cumulative debt service portion associated with the recorded PRP capital expenditures for each year exceeding \$320 million.
  - (c) An amount equal to the City transfer percentage multiplied by the sum of (a) and (b) above.
  - (d) Less: the sum of (a), (b) and (c) above multiplied by the General Service Consumption divided by sales to ultimate customers net of low income and lifeline consumption.
  - (e) Less: an amount equal to RCA revenue billed to the residential customers during the current fiscal year.
4. General Service RCA: The General Service RCA shall be determined by the following relationship and expressed to the nearest \$0.01 per kilowatt.

$$RCA = \frac{a+b}{c}$$

Where:

- (a) is an amount equal to sum of Sections 2 (a, b, and c) above multiplied by (1 – 2 (d) above).
  - (b) is balance in General Services account as described in 5 below.
  - (c) is the annual estimated General Service class non-coincident demands.
5. An RCA General Services Account shall be maintained by the Department. Entries to this account at the end of each fiscal year shall include:
- (a) An amount equal to Section 3 (d) above.
  - (b) Less: an amount equal to RCA revenue billed to General Services customers.
6. As of the effective date of this ordinance, the RCA shall be calculated as set forth above, provided that the change in RCAF for residential customers shall not exceed the prior Residential RCAF by more than \$0.001/KWh and for General Services by \$0.32/KW. The Residential RCAF shall be limited to \$0.003/KWh plus the city transfer percentage. The General Services RCAF shall be limited to \$ 0.96 /KW plus the city transfer percentage.

However, the limitations above may be exceeded when the Board of Water and Power Commissioner adopts a resolution finding that factors exceeding these limits are financially required. Any proposed increase to be considered by the Board of Water and Power Commissioner shall be communicated to the City Council.

The city transfer percentage is defined as the percentage of audited gross operating revenue used to calculate the latest transfer of surplus money from the Power Revenue Fund to the City's Reserve Fund.

**M. TRANSFORMER CHARGE**

For dedicated on-site transformer on private property, the customer will pay 100% of the transformer and installation costs. If the demand exceeds 50% of the rated transformer capacity for a minimum of 48 of the first 60 months after installation, the customer's payment may be returned in full.

**N. RENEWABLE ENERGY ADJUSTMENT (REA)**

1. An REA shall be added to the standard service schedules of customers who have volunteered to participate in the REO. The REA recovers all costs related to the acquisition and delivery of such resources through application of the REAF.

2. The REAF shall be calculated to be effective 30 days following approval of the publication of the Ordinance and thereafter once each year to become



<b><u>Capacity Charge</u></b>	A charge related to the cost of the facilities necessary to supply the customer.
<b><u>City Electricity User's Tax</u></b>	A tax imposed directly on the electricity user by the City as a percentage of the total electric bill.
<b><u>Commercial</u></b>	Activities devoted primarily to business or professional purposes.
<b><u>Common Area Service(Residential)</u></b>	Service to shared facilities in multifamily dwellings which are separately metered.
<b><u>Connected Load</u></b>	The sum of the rated capacities of all of the customer's equipment that can be connected to the Department's system at any one time.
<b><u>Conservation Rate</u></b>	A rate designed to encourage a customer to use less electrical energy.
<b><u>Customer</u></b>	Any person, public or private association or corporation, partnership, unincorporated association, or governmental agency supplied or entitled to be supplied by the Department.
<b><u>Daily Energy Credit</u></b>	Energy Credit is the amount per unit of energy that the DWP pays customers for Excess Energy. The Daily Energy Credit will be calculated on a daily basis and shall be based on the Department's estimated hourly marginal energy production costs. The hourly energy production costs shall be averaged separately for each Rating Period. The Daily Energy Credit shall be posted daily on the Department's internet site.
<b><u>Date of Presentation</u></b>	The date on which a bill or notice is mailed or delivered by the Department to the customer.
<b><u>Demand Attachment</u></b>	A device attached to a kilowatt-hour meter to indicate demand in watts or kilowatts.
<b><u>Demand Charge</u></b>	A charge related to power consumption measured in kilowatts.
<b><u>Economic Development Zone</u></b>	See Enterprise Zone, Empowerment Zone, and/or Renewal Community.

<b><u>Electric Subsidy Adjustment (ESA)</u></b>	An addition to the amount of the bill on a per kilowatt or per kilowatt-hour basis reflecting system costs incurred to support special customer credits.
<b><u>Empowerment Zone</u></b>	Federally designated geographic areas located within the City.
<b><u>Energy Charge</u></b>	That portion of the bill for electric service based upon the electric energy (kilowatt-hours) consumed.
<b><u>Energy Cost Adjustment (ECA)</u></b>	An addition to the amount of the bill on a per kilowatt-hour basis reflecting variation in the total cost of fuel and purchased energy.
<b><u>Energy Credit</u></b>	An amount credited to the customer based upon the electric energy (kilowatt-hours) supplied by the customer to the Department's system.
<b><u>Enterprise Zone</u></b>	State designated geographic areas within the City.
<b><u>Excess Energy</u></b>	Energy generated by the customer beyond the customer's consumption requirements and supplied to the Department's system.
<b><u>Facilities Charge</u></b>	A charge to cover expenses of distribution system facilities dedicated to a customer.
<b><u>General Service</u></b>	Service to any lighting or power installation except to those eligible for service under special schedules such as residential, streetlighting, and traffic control.
<b><u>High Peak Period</u></b>	1:00 p.m. – 5:00 p.m., Monday through Friday.
<b><u>High Season</u></b>	The period from June 1 to September 30.
<b><u>Industrial</u></b>	Activities devoted primarily to manufacturing or processing.
<b><u>Interconnecting Facilities</u></b>	Any electrical or mechanical devices required to connect the customer's electric system to the Department's system.
<b><u>Interruptible Service</u></b>	Service made available under agreements which permit curtailment of delivery of power to the customer under conditions established by the Department.

<b><u>Kilovar-hour (kvarh)</u></b>	A unit of reactive electric energy equal to one kilovar of reactive power supplied from an electric circuit for one hour.
<b><u>Kilowatt (kW)</u></b>	A unit of electric load or power or demand (1000 watts).
<b><u>Kilowatt-hour (kWh)</u></b>	The basic unit of electric energy equal to one kilowatt of power supplied from an electric circuit for one hour.
<b><u>Lifeline Service</u></b>	Service provided at a discount for qualifying Residential customers.
<b><u>Load Factor</u></b>	For any billing period, Load Factor is equal to 100 times the sum of kilowatt-hours used by the Customer at the Facility during the Rating Periods divided by the product of the highest demand recorded during the Rating Periods and the sum of the total number of hours in the Rating Periods. Load Factor is mathematically calculated as a percentage and shall be truncated to one decimal place.
<b><u>Low Income</u></b>	Total household income meeting eligibility guidelines for the Low-Income Subsidy.
<b><u>Low Peak Period</u></b>	10:00 a.m. – 1:00 p.m., Monday through Friday, and 5:00 p.m. – 8:00 p.m., Monday through Friday.
<b><u>Low Season</u></b>	The period from October 1 to May 31.
<b><u>Master Meter</u></b>	A meter used for billing purposes serving a group of otherwise unmetered dwelling units or other establishments or a group of subordinate meters.
<b><u>Maximum Demand</u></b>	The average kilowatt load to the nearest one-tenth kilowatt during the 15-minute period of greatest use during a billing period, as recorded by the Department's meter. Demand is another term for power and is expressed in units of kilowatt. In cases where demand is intermittent or subject to severe fluctuations, the Department may establish the Maximum Demand on the basis of measurement over a shorter interval of time or the kilowatt-amperes of installed transformer capacity

required to meet the customer's load.

<b><u>Meter</u></b>		A device used for the measurement of electric service provided, including energy (kilowatt-hours), demand (kilowatts), reactive energy (kvarh), and power factor.
<b><u>Minimum Charge</u></b>		The smallest charge a customer may receive under a rate schedule.
<b><u>Nominal Kilowatts</u></b>		The wattage necessary to be supplied by the Department's system to the lamp and its auxiliaries.
<b><u>Photoelectric Controller</u></b>		A device that turns an electric circuit on or off based on ambient light levels.
<b><u>Power</u></b>	(a)	Real - the work producing part of "apparent power" or rate of supply of energy - usually expressed in kilowatts (kW).
	(b)	Reactive - the portion of "apparent power" which does no work but must be supplied to magnetic equipment, such as motors - usually expressed in kilovars (kvar).
<b><u>Power Factor</u></b>		The ratio of real power (kilowatts) to apparent power (kilovolt-amperes) for any given load and time (maximum value = 1.0).
<b><u>Primary Voltage</u></b>		The service voltage applicable to small and medium commercial and industrial customers, nominally at 4.8 kilovolts.
<b><u>Rate</u></b>		An amount fixed by the Board of Water and Power Commissioners by resolution and approved by the City Council by ordinance to be charged for electric service supplied by the Department to its customers.
<b><u>Rated Transformer Capacity (RTC)</u></b>		Some portion of the installed transformer kilovolt-amperes dedicated to a customer.
<b><u>Rating Period</u></b>		See High Peak Period, Low Peak Period, or Base Period.

**Reliability Cost Adjustment (RCA)**

An amount reflecting the costs to support additional capital investments needed to improve reliability in areas of power distribution, transmission, and generation infrastructures – usually calculated on a per kilowatt or per kilowatt-hour basis.

**Renewal Community**

Federally designated geographic areas within the City.

**Residential**

Activities devoted primarily to residential or household purposes in family dwelling units.

**Service**

- (a) The supplying of electric energy to the customer.
- (b) The wires and related facilities necessary to supply electric energy to the customer.

**Service Point**

The point where the conductors of the Department are connected to the conductors of the customer.

**Single-Family Accommodation**

An individually metered living unit designed for one family, whether freestanding or part of a structure containing other such units.

**Special Metering Charge**

A charge included in a rate schedule to recover additional costs of specialized higher cost meters required to provide service under the schedule.

**Spinning Reserve**

Generating units, spinning at synchronous speed and ready to take load.

**Standard Energy Credit**

Energy Credit is the amount per unit of energy that the DWP pays customers for Excess Energy. The Standard Energy Credit will be calculated monthly and be determined by the Department Energy Control Center's estimated hourly marginal energy production costs. The hourly energy production costs shall be averaged separately for each Rating Period. This Standard Energy Credit will be posted for each Rating Period on the Department's internet site on the first day of each calendar month.

**Sub-meter**

A meter within a customer's internal circuit, other than the Department's billing meter.

**Subtransmission Voltage**

The service voltage applicable to large commercial and industrial customers, nominally at 34.5 kilovolts.

**System Reliability**

A measure of the ability of the system to sustain the loss of a major generating unit or transmission line and continue to meet the customer's demand for energy.

**Transmission Voltage**

The service voltage applicable to very large commercial and industrial customers, nominally at 138 kilovolts or above.

**Voltage**

Difference of potential or "electrical pressure" in an electrical circuit measured in volts.

**Watt**

The electrical unit of power or rate of consuming energy. The rate of energy transfer equivalent to one ampere flowing under a pressure of one volt at unity power factor.

**Zones**

Zones in Schedule R-1, Rate A for Residential Service are determined by the Customer Service Zip Code as shown in tables below.

<b>ZONE 1</b>				
90004	90008	90009	90016	90018
90019	90024	90025	90027	90028
90034	90035	90036	90038	90043
90045	90046	90047	90048	90049
90056	90064	90066	90067	90068
90069	90077	90094	90210	90212
90230	90232	90245	90247	90248
90272	90275	90291	90292	90293
90402	90403	90405	90501	90502
90710	90717	90731	90732	90744

<b>ZONE 2*</b>				
90001	90002	90003	90005	90006
90007	90010	90011	90012	90013
90014	90015	90017	90020	90021
90023	90026	90029	90031	90032
90033	90037	90039	90041	90042
90044	90057	90058	90059	90061
90062	90063	90065	91040	91041
91042	91105	91205	91210	91214

91302	91303	91304	91305	91306
91307	91309	91311	91316	91324
91325	91326	91330	91331	91335
91340	91342	91343	91344	91345
91346	91352	91355	91356	91364
91367	91401	91402	91403	91405
91406	91411	91423	91436	91504
91505	91601	91602	91604	91605
91606	91607			

\*Owens Valley is included in Zone 2

Sec. 26. The City Clerk shall certify to the passage of this ordinance and have it published in accordance with Council policy, either in a daily newspaper circulated in the City of Los Angeles or by posting for ten days in three public places in the City of Los Angeles: one copy on the bulletin board located at the Main Street entrance to the City Hall; one copy on the bulletin board located at the Main Street entrance to City Hall East; and one copy on the bulletin board located at the Temple Street entrance to the Los Angeles County Hall of Records.

FRANK T. MARTINEZ, City Clerk

By \_\_\_\_\_  
Deputy

Approved \_\_\_\_\_

\_\_\_\_\_  
Mayor

Approved as to Form and Legality

ROCKARD J. DELGADILLO, City Attorney

By \_\_\_\_\_  
S. DAVID HOTCHKISS  
Assistant City Attorney

Date \_\_\_\_\_

File No. \_\_\_\_\_

BE IT FURTHER RESOLVED that this matter is forwarded to the City Council for Approval by ordinance.

I HEREBY CERTIFY that the foregoing is full, true, and correct copy of a Resolution adopted by the Board of Water and Power Commissioners of the City of Los Angeles, at Its meeting held

\_\_\_\_\_  
Secretary