

Introduced by Councilmember \_\_\_\_\_

ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE OF THE CITY OF PASADENA AMENDING THE LIGHT AND POWER RATE ORDINANCE, CHAPTERS 13.04 OF THE PASADENA MUNICIPAL CODE, TO REVISE ELECTRIC RATES.

The People of the City of Pasadena ordain as follows:

**SECTION 1.** This ordinance, due to its length and the corresponding costs of publication, will be published by title and summary as permitted by Section 508 of the Charter. The approved summary of this ordinance reads as follows:

**“SUMMARY**

The purpose of Ordinance No. \_\_\_\_\_ is to revise distribution and customer charges to fund the first six years of the Power Distribution System Master Plan. The changes will result in a 32% increase in distribution and customer revenues effective July 2006 and an additional 11% increase in distribution and customer revenues effective October 2007. The Ordinance also provides a 31.8% decrease in transmission rates effective July 2006, resulting from Pasadena’s Participating Transmission Owner status with California Independent System Operator . In total, these revisions are expected to generate 5% increase in power operating revenues effective July 2006 and an additional 4% effective October 2007.”

**SECTION 2.** Subsection D (1) of 13.04.040 of the Pasadena Municipal Code is hereby amended to read as follows:

“D (1) Distribution and Customer Charge. Customers taking service under Schedule R-1 shall pay a distribution and customer charge based on their kWh used during the billing month as follows:

**Effective July 1, 2006:**

<u>kWh Usage per Month</u>	<u>Distribution and Customer Charge - per Meter per Month</u>
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0 – 250	\$5.03
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251 – 350	\$10.30
351 – 450	\$20.84
451 – 550	\$30.07
551 – 650	\$37.97
651 – 750	\$47.20
751 – 1,000	\$56.42
Greater than 1,000	\$74.87

**Effective October 1, 2007:**

<u>kWh Usage per Month</u>	<u>Distribution and Customer Charge - per Meter per Month</u>
0 – 250	\$5.60
251 – 350	\$11.46
351 – 450	\$23.19
451 – 550	\$33.45
551 – 650	\$42.25
651 – 750	\$52.51
751 – 1,000	\$62.77
Greater than 1,000	\$83.29”

**SECTION 3.** Subsection D (1) of 13.04.045 of the Pasadena Municipal Code is hereby amended to read as follows:

“D (1). Distribution and Customer Charge. Customers taking service under Schedule R-2 shall pay a distribution and customer charge based on kWh used during the billing month as follows:

**Effective July 1, 2006:**

<u>kWh Usage per Month</u>	<u>Distribution and Customer Charge - per Meter per Month</u>
0 – 250	\$5.03
251 – 350	\$10.30
351 – 450	\$20.84
451 – 550	\$30.07
551 – 650	\$37.97
651 – 750	\$47.20
751 – 1,000	\$56.42

Greater than 1,000 \$74.87

**Effective October 1, 2007:**

<u>kWh Usage per Month</u>	<u>Distribution and Customer Charge - per Meter per Month</u>
0 – 250	\$5.60
251 – 350	\$11.46
351 – 450	\$23.19
451 – 550	\$33.45
551 – 650	\$42.25
651 – 750	\$52.51
751 – 1,000	\$62.77
Greater than 1,000	\$83.29”

**SECTION 4.** Section 13.04.050 of the Pasadena Municipal Code is hereby amended to read as follows:

**“13.04.050 Small Commercial and Industrial Service.**

The rates and conditions of services hereunder shall be as provided by Schedule S-1, as follows:

**SCHEDULE S-1  
Small Commercial and Industrial Service**

- A. Applicability.** Applies to single-phase and 3-phase general service, including lighting and incidental small power, through a single meter. Applies to service below 30 kW demand.
- B. Character of Service Furnished.** Single-phase 120/240 volt, and 120/208 or 240 volt 3-phase, 60-cycle alternating current service.
- C. Conditions of Use.** Single-phase motors 1/2 HP and larger shall be connected at 240 volts or 208 volts. Motors 5 HP and larger shall be connected 3 phase. Motor-connected loads in excess of 49 HP are not served under this schedule for new service after April 1, 1969.

**D. Rates.** Customers shall pay the sum of the customer charge, the distribution charge, the transmission services charge, and the energy services charge as specified below.

**Effective July 1, 2006:**

**1. Customer Charge:** Customers taking service under Schedule S-1 shall pay a customer charge during the billing month as follows:

	<u>Per Meter Per Month</u>
Customer charge:	
Single-phase service .....	\$ 12.73
Three-phase service .....	\$ 17.14

**2. Distribution Charge:** Customers taking service under Schedule S-1 shall pay a distribution charge during the billing month as follows:

All kWh per month ..... \$ 0.03684 per kWh

**3. Transmission Services Charge:** Customers taking service under Schedule S-1 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

**4. Energy Services Charge:** Customers taking service under Schedule S-1 shall have two energy rate options:

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.06901
Winter	\$0.06030

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10463
Summer Off-Peak	\$0.05706
Winter On-Peak	\$0.06431
Winter Off-Peak	\$0.05611

This option is subject to meter availability. The customer shall be responsible for the cost of purchasing and installing the metering equipment required for this service.

4.3 Power Cost Adjustments: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Single-phase service ..... \$ 12.73  
 Three-phase service ..... \$ 17.14

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the first bill ..... \$5.00

**Effective October 1, 2007:**

**1. Customer Charge:** Customers taking service under Schedule S-1 shall pay a customer charge during the billing month as follows:

	<u>Per Meter Per Month</u>
Customer charge:	
Single-phase service .....	\$ 14.16
Three-phase service .....	\$ 19.07

**2. Distribution Charge:** Customers taking service under Schedule S-1 shall pay a distribution charge during the billing month as follows:

All kWh per month ..... \$ 0.04099 per kWh

**3. Transmission Services Charge:** Customers taking service under Schedule S-1 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

**4. Energy Services Charge:** Customers taking service under Schedule S-1 shall have two energy rate options:

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.06901
Winter	\$0.06030

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
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Summer On-Peak	\$0.10463
Summer Off-Peak	\$0.05706
Winter On-Peak	\$0.06431
Winter Off-Peak	\$0.05611

This option is subject to meter availability. The customer shall be responsible for the cost of purchasing and installing the metering equipment required for this service.

- 4.3 Power Cost Adjustments: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Single-phase service .....	\$ 14.16
Three-phase service .....	\$ 19.07

6. **Application Charge:** For each application for new service, or customer originated account change, to be added to the first bill ..... \$5.00

**E. General Condition.**

1. **Selection of Energy Rate Option.** The default energy rate option for customers under Schedule S-1 is Option A – Seasonal Flat Rate. Customers may choose to receive energy under either Option A or B; however, a customer who receives a change of energy rate option may not change to another energy rate option before twelve months have elapsed.

**F. Special Provision.**

1. Customers connected to 120/208 volt service whose sole usage of electricity is for residential purposes shall be billed on the residential rate schedule.
2. **Time Periods.** Time periods are defined as follows:
- a. Summer months are defined as June through September. Winter months are defined as October through May.
  - b. Summer On-peak hours: 12:00 noon to 8:00 p.m.  
Summer Off-peak hours: 8:00 p.m. to 12:00 noon

Winter On-peak hours: 6:00 a.m. to 10:00 p.m.  
Winter Off-peak hours: 10:00 p.m. to 6:00 a.m.

- c. Weekend and holiday hours are all off-peak
- d. Holidays are New Year's Day, Martin Luther King Jr. Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving, and Christmas."

**SECTION 5.** Section 13.04.060 of the Pasadena Municipal Code is hereby amended to read as follows:

**"13.04.060 Medium Commercial and Industrial Service - Secondary.**

The rates and conditions of services hereunder shall be as provided by Schedule M-1, as follows:

**SCHEDULE M-1**

**Medium Commercial and Industrial Service - Secondary**

- A. Applicability.** Applies to 3 phase general service, including power and lighting, measured with demand meter. Applies to service at 30 kW demand or greater, but less than 300 kW demand. Any customer served under this schedule whose monthly maximum demand has registered less than 30 kW or greater than 300 kW for twelve consecutive months is no longer eligible for service under this Schedule M-1 and must take service under another applicable rate schedule. This schedule is subject to meter availability. Applies to services metered and delivered at voltages less than 17 kV.
- B. Character of Service Furnished.** 3 phase 240, 480, 120/208 or 277/480 volt, 60 cycle alternating current service.
- C. Conditions of Use.** Motors of 50 HP or more shall be served as determined by PWP.
- D. Rates.** Customers shall pay the sum of customer charge, distribution charge, transmission services charge, and energy services charge as specified below.

**Effective July 1, 2006:**

1. **Customer Charge:** Customers taking service under Schedule M-1 shall pay a customer charge during the billing month as follows:  
Per Meter Per Month

Customer charge: ..... \$ 54.13

2. **Distribution Charge:** Customers taking service under Schedule M-1 shall pay a distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 9.05 per kW

3. **Transmission Services Charge:** Customers taking service under Schedule M-1 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

4. **Energy Services Charge:** Customers taking service under Schedule M-1 shall have two energy rate options:

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.07338
Winter	\$0.06213

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10218
Summer Off-Peak	\$0.06063
Winter On-Peak	\$0.06578
Winter Off-Peak	\$0.05785

This option is subject to meter availability. Customers shall be responsible for the cost of purchasing and installing the metering equipment required for this service.

- 4.3 **Power Cost Adjustment:** Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

5. **Minimum Monthly Charge:**



Minimum monthly charge ..... \$ 325.63

6. **Application Charge:** For each application for new service, or customer originated account change, to be added to the first bill ..... \$5.00

**Effective October 1, 2007:**

1. **Customer Charge:** Customers taking service under Schedule M-1 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 60.22

2. **Distribution Charge:** Customers taking service under Schedule M-1 shall pay a distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 10.07 per kW

3. **Transmission Services Charge:** Customers taking service under Schedule M-1 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

4. **Energy Services Charge:** Customers taking service under Schedule M-1 shall have two energy rate options:

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.07338
Winter	\$0.06213

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10218
Summer Off-Peak	\$0.06063
Winter On-Peak	\$0.06578
Winter Off-Peak	\$0.05785

This option is subject to meter availability. Customers shall be responsible for the cost of purchasing and installing the metering equipment required for this service.

4.3 Power Cost Adjustment: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 362.32

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the first bill ..... \$5.00

**E. General Condition.**

**1. Selection of Energy Rate Option.** The default energy rate option for customers under Schedule M-1 is Option A – Seasonal Flat Rate. Customers may choose to receive energy under either Option A or B; however, a customer who receives a change of energy rate option may not change to another energy rate option before twelve months have elapsed.

**F. Special Provision.**

**1. Determination of Billing Demand.** "Billing Demand" shall not be less than 30 KW. "Billing Demand" means the greater of (i) the kilowatts of measured maximum demand occurring during the current month or (ii) the highest demand recorded in the last twelve months, including the current billing month. Demand is determined to the nearest kW. Demand meters will be adjusted to measure the maximum integrated demand over a 15-minute interval, or if the demand is of an intermittent character, PWP may adjust the meters to measure the demand during a shorter interval.

**2. Time Periods.** Time periods are defined as follows:

a. Summer months are defined as June through September. Winter months are defined as October through May.

b. Summer On-peak hours: 12:00 noon to 8:00 p.m.  
Summer Off-peak hours: 8:00 p.m. to 12:00 noon  
Winter On-peak hours: 6:00 a.m. to 10:00 p.m.  
Winter Off-peak hours: 10:00 p.m. to 6:00 a.m.

- c. Weekend and holiday hours are all off-peak
- d. Holidays are New Year's Day, Martin Luther King Jr. Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving, and Christmas.

**3. Power Factor Penalty and Discount.**

- a. Existing Loads: If a customer's load operates at a power factor of less than 75 percent, PWP may require installation of equipment to correct the power factor to 75 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 75 percent shall be added to the distribution charge. .

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

- b. New Loads: On or after July 1, 2002, if a customer's load operates at a power factor of less than 85 percent, PWP may require installation of equipment to correct the power factor to 85 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 85 percent shall be added to the distribution charge. .

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

4. **Regulation by PWP.** PWP may at any time inspect or test any power equipment and estimate or measure the demand, starting currents, power factor or other characteristics of such equipment to determine proper billing or compliance with the requirements of this chapter.
5. **Curtable Service.**
  - a. **Rates:** PWP may solicit customer bids for curtable service. In making such solicitations, PWP shall inform bidders of: i) the time period(s) that would likely be subject to curtailment; and ii) limitations, if any, on PWP's right to curtail service, including limitations on the number of curtailments, the duration of each curtailment, and minimum notice of curtailments. Bidders shall specify the minimum load level to which their service may be curtailed; and the minimum price that they would accept for each kWh curtailed. For hours in which the bidder provides this service to PWP, the bidder shall receive from PWP a billing credit equal to the product of the quantity of customer load actually curtailed and the hourly curtailment price which was bid and accepted by PWP.
  - b. **Actual Curtailment Quantities:** In each hour that PWP curtails a customer's service, PWP will quantify that hour's actual curtailment quantity by subtracting the customer's metered load in that hour from the customer's "normal load" for that hour. The customer's "normal load" for an hour is defined as the average of the customer's loads for the same hours of the five most recent "comparable days" that have not been subject to curtailments or objectively identifiable abnormal circumstances that have significantly affected customer consumption. "Comparable days" are as follows: for curtailments on Sundays and holidays, recent Sundays and holidays; for curtailments on non-holiday weekdays (Monday through Friday), recent non-holiday weekdays; and for Saturdays, recent Saturdays. Thus, by way of an example, the "normal load" for a Tuesday on the hour ending 3:00 pm would be the average of the loads in each of the hours ending 3:00 pm on the five most recent non-holiday weekdays that were not subject to curtailment."

**SECTION 6.** Section 13.04.064 of the Pasadena Municipal Code is hereby amended to read as follows:

**“13.04.064 Medium Commercial and Industrial Service - Primary.**

The rates and conditions of services hereunder shall be as provided by Schedule M-2, as follows:

**SCHEDULE M-2  
Medium Commercial and Industrial Service - Primary**

- A. Applicability.** Applies to 3 phase general service, including power and lighting, measured with demand meter. Applies to service at 30 kW demand or greater, but less than 300 kW demand. Customers served under this schedule whose monthly maximum demand has registered less than 30 kW or greater than 300 kW for twelve consecutive months is no longer eligible for service under this Schedule M-2 and must take service under another applicable rate schedule. This schedule is subject to meter availability. Applies to services metered and delivered at voltages equal to or greater than 17 kV.
- B. Character of Service Furnished.** 3 phase, 60 cycle alternating current service at normal primary or sub-transmission voltages.
- C. Conditions of Use.** Motors of 50 HP or more shall be served as determined by PWP.
- D. Rates.** Customers shall pay the sum of customer charge, distribution charge, transmission services charge, and energy services charge as specified below.

**Effective July 1, 2006:**

- 1. Customer Charge:** Customers taking service under Schedule M-2 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 75.43

- 2. Distribution Charge:** Customers taking service under Schedule M-2 shall pay a distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 8.78 per kW

- 3. Transmission Services Charge:** Customers taking service under Schedule

M-2 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

**4. Energy Services Charge:** Customers taking service under Schedule M-2 shall have two energy rate options:

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.07154
Winter	\$0.06121

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10128
Summer Off-Peak	\$0.05970
Winter On-Peak	\$0.06481
Winter Off-Peak	\$0.05713

This option is subject to meter availability. The customer shall be responsible for the cost of purchasing and installing the metering equipment required for this service.

4.3 **Power Cost Adjustment:** Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 338.83

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the 1st bill ..... \$5.00

**Effective October 1, 2007:**

**1. Customer Charge:** Customers taking service under Schedule M-2 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 83.92

- 2. Distribution Charge:** Customers taking service under Schedule M-2 shall pay a distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 9.76 per kW

- 3. Transmission Services Charge:** Customers taking service under Schedule M-2 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

- 4. Energy Services Charge:** Customers taking service under Schedule M-2 shall have two energy rate options:

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.07154
Winter	\$0.06121

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10128
Summer Off-Peak	\$0.05970
Winter On-Peak	\$0.06481
Winter Off-Peak	\$0.05713

This option is subject to meter availability. The customer shall be responsible for the cost of installing the metering equipment required for this service.

- 4.3 **Power Cost Adjustment:** Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

- 5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 376.72

6. **Application Charge:** For each application for new service, or customer originated account change, to be added to the 1st bill ..... \$5.00

**E. General Condition.**

1. **Selection of Energy Rate Option.** The default energy rate option for customers under Schedule M-2 is Option A – Seasonal Flat Rate. Customers may choose to receive energy under either Option A or B; however, a customer who receives a change of energy rate option may not change to another energy rate option before twelve months have elapsed.

**F. Special Provision.**

1. **Determination of Billing Demand.** "Billing Demand" shall not be less than 30 KW. "Billing Demand" means the greater of (i) the kilowatts of measured maximum demand occurring during the current month or (ii) the highest demand recorded in the last 12 months, including the current billing month. Demand is determined to the nearest kW. Demand meters will be adjusted to measure the maximum integrated demand over a 15-minute interval, or if the demand is of an intermittent character, PWP may adjust the meters to measure the demand during a shorter interval.
2. **Time Periods.** Time periods are defined as follows:
- a. Summer months are defined as June through September. Winter months are defined as October through May.
  - b. Summer On-peak hours: 12:00 noon to 8:00 p.m.  
Summer Off-peak hours: 8:00 p.m. to 12:00 noon  
Winter On-peak hours: 6:00 a.m. to 10:00 p.m.  
Winter Off-peak hours: 10:00 p.m. to 6:00 a.m.
  - c. Weekend and holiday hours are all off-peak
  - d. Holidays are New Year's Day, Martin Luther King Jr. Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving, and Christmas.
3. **Power Factor Penalty and Discount.**



- a. Existing Loads: If a customer's load operates at a power factor of less than 75 percent, PWP may require installation of equipment to correct the power factor to 75 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 75 percent shall be added to the distribution charge. .

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

- b. New Loads: On or after July 1, 2002, if a customer's load operates at a power factor of less than 85 percent, PWP may require installation of equipment to correct the power factor to 85 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 85 percent shall be added to the distribution charge..

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

4. **Regulation by PWP.** PWP may at any time inspect or test any power equipment and estimate or measure the demand, starting currents, power factor or other characteristics of such equipment to determine proper billing or compliance with the requirements of this chapter.

5. **Curtable Service.**

- a. Rates: PWP may solicit customer bids for curtable service. In making such solicitations, PWP shall inform bidders of: i) the time period(s) that would likely be subject to curtailment; and ii) limitations, if any, on PWP's right to curtail service, including limitations on the number of curtailments, the duration of each curtailment, and minimum

notice of curtailments. Bidders shall specify: the minimum load level to which their service may be curtailed; and the minimum price that they would accept for each kWh curtailed. For hours in which the bidder provides this service to PWP, the bidder shall receive from PWP a billing credit equal to the product of the quantity of customer load actually curtailed and the hourly curtailment price which was bid and accepted by PWP.

- b. **Actual Curtailment Quantities:** In each hour that PWP curtails a customer's service, PWP will quantify that hour's actual curtailment quantity by subtracting the customer's metered load in that hour from the customer's "normal load" for that hour. The customer's "normal load" for an hour is defined as the average of the customer's loads for the same hours of the five most recent "comparable days" that have not been subject to curtailments or objectively identifiable abnormal circumstances that have significantly affected customer consumption. "Comparable days" are as follows: for curtailments on Sundays and holidays, recent Sundays and holidays; for curtailments on non-holiday weekdays (Monday through Friday), recent non-holiday weekdays; and for Saturdays, recent Saturdays. Thus, by way of an example, the "normal load" for a Tuesday on the hour ending 3:00 pm would be the average of the loads in each of the hours ending 3:00 pm on the five most recent non-holiday weekdays that were not subject to curtailment."

**SECTION 7.** Section 13.04.067 of the Pasadena Municipal Code is hereby amended to read as follows:

**"13.04.067 Large Commercial and Industrial Service - Secondary.**

The rates and conditions of services hereunder shall be as provided by Schedule L-1, as follows:

**SCHEDULE L-1**

**Large Commercial and Industrial Service - Secondary**

- A. **Applicability.** Applies to 3 phase general service, including power and lighting, measured with demand meter. Applies to service at 300 kW demand or greater. Any customer served under this schedule whose monthly maximum demand has registered less than

300 kW for twelve consecutive months is no longer eligible for service under this schedule L-1 and must take service under another applicable rate schedule. This schedule is subject to meter availability. Applies to services metered and delivered at voltages less than 17 kV.

- B. Character of Service Furnished.** 3 phase 240, 480, 120/208 or 277/480 volt, 60 cycle alternating current service.
- C. Conditions of Use.** Motors of 50 HP or more shall be served as determined by PWP.
- D. Rates.** Customers shall pay the sum of the customer charge, the distribution charge, the transmission services charge, and the energy services charge as specified below.

**Effective July 1, 2006:**

- 1. Customer Charge:** Customers taking service under Schedule L-1 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 144.00

- 2. Distribution Charge:** Customers taking service under Schedule L-1 shall pay a distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 9.05 per kW

- 3. Transmission Services Charge:** Customers taking service under Schedule L-1 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

- 4. Energy Services Charge:** Customers taking service under Schedule L-1 shall pay an energy services charge as follows:

4.1 Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10394
Summer Off-Peak	\$0.05843
Winter On-Peak	\$0.06579
Winter Off-Peak	\$0.05659

4.2 Power Cost Adjustment: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 2,859.00

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the 1st bill ..... \$5.00

**Effective October 1, 2007:**

**1. Customer Charge:** Customers taking service under Schedule L-1 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 160.21

**2. Distribution Charge:** Customers taking service under Schedule L-1 shall pay distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 10.07 per kW

**3. Transmission Services Charge:** Customers taking service under Schedule L-1 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

**4. Energy Services Charge:** Customers taking service under Schedule L-1 shall pay an energy services charge as follows:

4.1 Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.10394
Summer Off-Peak	\$0.05843
Winter On-Peak	\$0.06579
Winter Off-Peak	\$0.05659

4.2 Power Cost Adjustment: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate

Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 3,181.21

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the 1st bill ..... \$5.00

**E. Special Provision.**

**1. Determination of Billing Demand.** "Billing Demand" shall not be less than 300 KW. "Billing Demand" means the greater of (i) the kilowatts of measured maximum demand occurring during the current month or (ii) the highest demand recorded in the last twelve months, including the current billing month. Demand is determined to the nearest kW. Demand meters will be adjusted to measure the maximum integrated demand over a 15-minute interval, or if the demand is of an intermittent character, PWP may adjust the meters to measure the demand during a shorter interval.

**2. Time Periods.** Time periods are defined as follows:

a. Summer months are defined as June through September. Winter months are defined as October through May.

b. Summer On-peak hours: 12:00 noon to 8:00 p.m.  
Summer Off-peak hours: 8:00 p.m. to 12:00 noon  
Winter On-peak hours: 6:00 a.m. to 10:00 p.m.  
Winter Off-peak hours: 10:00 p.m. to 6:00 a.m.

c. Weekend and holiday hours are all off-peak

d. Holidays are New Year's Day, Martin Luther King Jr. Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving, and Christmas.

**3. Power Factor Penalty and Discount.**

a. Existing Loads: If a customer's load operates at a power factor of less than 75 percent, PWP may require installation of equipment to correct the power factor to 75 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 75 percent shall be added to the distribution charge. .

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

b. New Loads: On or after July 1, 2002, if a customer's load operates at a power factor of less than 85 percent, PWP may require installation of equipment to correct the power factor to 85 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 85 percent shall be added to the distribution charge..

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

**4. Regulation by PWP.** PWP may at any time inspect or test any power equipment and estimate or measure the demand, starting currents, power factor or other characteristics of such equipment to determine proper billing or compliance with the requirements of this chapter.

**5. Curtailable Service.**

- a. Rates: PWP may solicit customer bids for curtailable service. In making such solicitations, PWP shall inform bidders of: i) the time period(s) that would likely be subject to curtailment; and ii) limitations, if any, on PWP's right to curtail service, including limitations on the number of curtailments, the duration of each curtailment, and minimum notice of curtailments. Bidders shall specify: the minimum load level to which their service may be curtailed; and 2 the minimum price that they would accept for each kWh curtailed. For hours in which the bidder provides this service to PWP, the bidder shall receive from PWP a billing credit equal to the product of the quantity of customer load actually curtailed and the hourly curtailment price which was bid and accepted by PWP.
- b. Actual Curtailment Quantities: In each hour that PWP curtails a customer's service, PWP will quantify that hour's actual curtailment quantity by subtracting the customer's metered load in that hour from the customer's "normal load" for that hour. The customer's "normal load" for an hour is defined as the average of the customer's loads for the same hours of the five most recent "comparable days" that have not been subject to curtailments or objectively identifiable abnormal circumstances that have significantly affected customer consumption. "Comparable days" are as follows: for curtailments on Sundays and holidays, recent Sundays and holidays; for curtailments on non-holiday weekdays (Monday through Friday), recent non-holiday weekdays; and for Saturdays, recent Saturdays. Thus, by way of an example, the "normal load" for a Tuesday on the hour ending 3:00 pm would be the average of the loads in each of the hours ending 3:00 pm on the five most recent non-holiday weekdays that were not subject to curtailment."

**SECTION 8.** Section 13.04.070 of the Pasadena Municipal Code is hereby amended to read as follows:

**"13.04.070 Large Commercial and Industrial Service - Primary.**

The rates and conditions of services hereunder shall be as provided by Schedule L-2, as follows:

**SCHEDULE L-2**  
**Large Commercial and Industrial Service - Primary**

- A. Applicability.** Applies to 3 phase general service, including power and lighting, measured with demand meter. Applies to service at 300 kW demand or greater. Any customer served under this schedule whose monthly maximum demand has registered less than 300 kW for twelve consecutive months is no longer eligible for service under this Schedule L-2 and must take service under another applicable rate schedule. This schedule is subject to meter availability. Applies to services metered and delivered at voltages equal to or greater than 17 kV.
- B. Character of Service Furnished.** 3 phase, 60 cycle alternating current service at normal primary or sub-transmission voltages.
- C. Conditions of Use.** Motors of 50 HP or more shall be served as determined by PWP.
- D. Rates.** Customers shall pay the sum of the customer charge, the distribution charge, the transmission services charge, and the energy services charge as specified below.

**Effective July 1, 2006:**

- 1. Customer Charge:** Customers taking service under Schedule L-2 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 165.32

- 2. Distribution Charge:** Customers taking service under Schedule L-2 shall pay a distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 8.78 per kW

- 3. Transmission Services Charge:** Customers taking service under Schedule L-2 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170

- 4. Energy Services Charge:** Customers taking service under Schedule L-2 shall pay an energy services charge as follows:

4.1 Time-Of-Use Rate:



<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.09852
Summer Off-Peak	\$0.05580
Winter On-Peak	\$0.06617
Winter Off-Peak	\$0.05629

4.2 Power Cost Adjustment: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 2,799.32

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the first bill ..... \$5.00

**Effective October 1, 2007:**

**1. Customer Charge:** Customers taking service under Schedule L-2 shall pay a customer charge during the billing month as follows:

Per Meter Per Month

Customer charge: ..... \$ 183.93

**2. Distribution Charge:** Customers taking service under Schedule L-2 shall pay distribution charge during the billing month as follows:

All kilowatts of demand ..... \$ 9.76 per kW

**3. Transmission Services Charge:** Customers taking service under Schedule L-2 shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170

**4. Energy Services Charge:** Customers taking service under Schedule L-2 shall pay an energy services charge as follows:

4.1 Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.09852
Summer Off-Peak	\$0.05580

Winter On-Peak	\$0.06617
Winter Off-Peak	\$0.05629

4.2 Power Cost Adjustment: Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**5. Minimum Monthly Charge:**

Minimum monthly charge ..... \$ 3,111.93

**6. Application Charge:** For each application for new service, or customer originated account change, to be added to the first bill ..... \$5.00

**E. Special Provision.**

**1. Determination of Billing Demand.** "Billing Demand" shall not be less than 300 KW. "Billing Demand" means the greater of (i) the kilowatts of measured maximum demand occurring during the current month or (ii) the highest monthly demand recorded in the last twelve months, including the current billing month. Demand is determined to the nearest kW. Demand meters will be adjusted to measure the maximum integrated demand over a 15-minute interval, or if the demand is of an intermittent character, PWP may adjust the meters to measure the demand during a shorter interval.

**2. Time Periods.** Time periods are defined as follows:

- a. Summer months are defined as June through September. Winter months are defined as October through May.
- b. Summer On-peak hours: 12:00 noon to 8:00 p.m.  
 Summer Off-peak hours: 8:00 p.m. to 12:00 noon  
 Winter On-peak hours: 6:00 a.m. to 10:00 p.m.  
 Winter Off-peak hours: 10:00 p.m. to 6:00 a.m.
- c. Weekend and holiday hours are all off-peak
- d. Holidays are New Year's Day, Martin Luther King

Jr. Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving, and Christmas.

**3. Power Factor Penalty and Discount.**

a. Existing Loads: If a customer's load operates at a power factor of less than 75 percent, PWP may require installation of equipment to correct the power factor to 75 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 75 percent shall be added to the distribution charge. .

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

b. New Loads: On or after July 1, 2002, if a customer's load operates at a power factor of less than 85 percent, PWP may require installation of equipment to correct the power factor to 85 percent or better. A penalty of one percent of the distribution charge for each percent the average monthly power factor falls below 85 percent shall be added to the distribution charge. .

A customer having a maximum demand of 50 kW or more shall be allowed a discount on the distribution charge of 0.333 percent for each percent the average monthly power factor exceeds 85 percent. The discount shall not exceed 5 percent. The power factor shall be computed to the nearest one percent. The discount shall be computed to the nearest 1/10 of one percent.

**4. Regulation by PWP.** PWP may at any time inspect or test any power equipment and estimate or measure the demand, starting currents, power factor or other characteristics of

such equipment to determine proper billing or compliance with the requirements of this chapter.

**5. Curtailable Service.**

- a. Rates: PWP may solicit customer bids for curtailable service. In making such solicitations, PWP shall inform bidders of: i) the time period(s) that would likely be subject to curtailment; and ii) limitations, if any, on PWP's right to curtail service, including limitations on the number of curtailments, the duration of each curtailment, and minimum notice of curtailments. Bidders shall specify: the minimum load level to which their service may be curtailed; and the minimum price that they would accept for each kWh curtailed. For hours in which the bidder provides this service to PWP, the bidder shall receive from PWP a billing credit equal to the product of the quantity of customer load actually curtailed and the hourly curtailment price which was bid and accepted by PWP.
  
- b. Actual Curtailment Quantities: In each hour that PWP curtails a customer's service, PWP will quantify that hour's actual curtailment quantity by subtracting the customer's metered load in that hour from the customer's "normal load" for that hour. The customer's "normal load" for an hour is defined as the average of the customer's loads for the same hours of the five most recent "comparable days" that have not been subject to curtailments or objectively identifiable abnormal circumstances that have significantly affected customer consumption. "Comparable days" are as follows: for curtailments on Sundays and holidays, recent Sundays and holidays; for curtailments on non-holiday weekdays (Monday through Friday), recent non-holiday weekdays; and for Saturdays, recent Saturdays. Thus, by way of an example, the "normal load" for a Tuesday on the hour ending 3:00 pm would be the average of the loads in each of the hours ending 3:00 pm on the five most recent non-holiday weekdays that were not subject to curtailment.

**SECTION 9.** Section 13.04.080 of the Pasadena Municipal Code is hereby amended to read as follows:

**13.04.080 Standby service.**

The rates and conditions of services hereunder shall be as provided by Schedule S, as follows:

**SCHEDULE S  
Standby Service**

- A. Applicability.** Applicable to customers who have their own generating equipment and who contract for standby service from the department. Standby service shall be furnished solely to the individual contracting customer in a single enterprise, located entirely on a single, contiguous premise.
- B. Character of Service.** 3-phase 240, 480, 120/208 or 277/480 volt, 60 cycle alternating current service. Other voltages and types of service may be approved by the department for certain specific installations.
- C. Rates.**

**Effective July 1, 2006:**

	<b>Per Meter Per Month</b>
1. Distribution Charge: All kW of standby capacity.....	\$ 9.05 per kW
2. Energy Charge: Energy shall be billed in accordance with the rate schedule which would otherwise apply if the customer had no generating equipment.	
3. Minimum monthly charge: The demand charge or \$ 181.00, whichever is greater.	
4. Application charge: For each application for new service, or customer originated account change, to be added to the first bill .....	\$ 5.00

**Effective October 1, 2007:**

**Per Meter**

**Per Month**

- 1. Distribution Charge:  
All kW of standby capacity..... \$ 10.07 per kW
  
- 2. Energy Charge: Energy shall be billed in accordance with the rate schedule which would otherwise apply if the customer had no generating equipment.
  
- 3. Minimum monthly charge: The demand charge or \$ 201.40, whichever is greater.
  
- 4. Application charge: For each application for new service, or customer originated account change, to be added to the first bill ..... \$ 5.00

**D. Special Conditions.**

- 1. **Contract Required.** Customer shall sign a contract for this service, which contract shall state the number of kW of standby capacity required. "Standby capacity" shall not exceed the nameplate rating of the customer's generating equipment.
  
- 2. Service Connections. Service connections shall be made so that at no time will the customer's generating equipment be connected to or operated in parallel with PWP's system. Switching devices used for service connections shall be approved by PWP."

**SECTION 10.** Section 13.04.090 of the Pasadena Municipal Code is hereby amended to read as follows:

**"13.04.090 Street Lighting and Traffic Signal Service.**

The rates and conditions of services hereunder shall be as provided by Schedule SL, as follows:

**SCHEDULE SL  
Street Lighting and Traffic Signals**

- A. Applicability.** Applies to outdoor street, highway and area lights and traffic signals, whether publicly or privately owned, where the poles, electrolier standards and lighting equipment are owned by the customer. For such lights as are burned from 30 minutes after

sunset to 30 minutes before sunrise, 4140 hours of service per year will be used for cost calculation purpose.

- B. Rate.** Unmetered street lighting and signs not included in the Flat Rate section will be billed under the Metered Rate section using the hours of service per year set forth in subsection A. Unmetered load, including without limitation, traffic signals, street lighting, signs with extended hours of operation, bus shelters, and irrigation controllers will be billed under the Metered Rate section by extrapolating usage from a sample test metering period. All services covered under this section, whether billed under the Flat Rate or Metered Rate section shall also be subject to the transmission services charge and power cost adjustment charge in accordance with Section 13.04.170 and Section 13.04.173.

**Effective July 1, 2006:**

<b>1.      <u>Flat Rate - Lamp Size</u></b>	<b><u>Monthly Charge Per Lamp (\$)</u></b>
<b><u>Incandescent</u></b>	
1,000 lumens	\$ 0.84
1,500 lumens	1.00
2,500 lumens	1.75
4,000 lumens	2.82
6,000 lumens	4.02
10,000 lumens	6.10
67 watts	0.78
69 watts	0.79
103 watts	1.17
150 watts	1.70
202 watts	2.28
303 watts	3.41
<b><u>Mercury Vapor</u></b>	
3,500 lumens	1.45
7,000 lumens	2.37
11,000 lumens	3.29
20,000 lumens	5.22
35,000 lumens	8.81
54,000 lumens	12.46
<b><u>Fluorescent</u></b>	
213 watts	2.41
248 watts	2.82
<b><u>High Pressure Sodium</u></b>	

35 watt	0.46
50 watt	0.65
70 watt	1.15
100 watt	1.58
150 watt	2.19
200 watt	2.78
250 watt	3.54
310 watt	4.32
400 watt	5.38
4-60 watt unit bus stop	4.33
2-40 watt unit bus stop	4.33
Metal Halide	3.58

**2. Metered Distribution Rate.**

- A. For metered street lighting, all energy will be billed at \$0.03277 per kWh.
- B. For metered traffic signals and signs, all energy will be billed at \$0.04851 per kWh.

**3. Unmetered Distribution Rate**

- A. For unmetered traffic signals and signs, all energy will be billed at \$0.04851 per kWh.

**4. Transmission Services Charge:** Customers taking service under Schedule SL shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

**5. Energy Services Charge:** Customers taking service under Schedule SL shall pay energy services charge of \$0.065 for each kWh delivered.

**6. Power Cost Adjustment:** Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**Effective October 1, 2007:**

<b>1.</b>	<b><u>Flat Rate - Lamp Size</u></b>	<b><u>Monthly Charge Per Lamp (\$)</u></b>
	<b><u>Incandescent</u></b>	
	1,000 lumens	\$ 0.94



1,500 lumens	1.11
2,500 lumens	1.95
4,000 lumens	3.14
6,000 lumens	4.47
10,000 lumens	6.79
67 watts	0.86
69 watts	0.88
103 watts	1.30
150 watts	1.89
202 watts	2.54
303 watts	3.80

**Mercury Vapor**

3,500 lumens	1.61
7,000 lumens	2.64
11,000 lumens	3.66
20,000 lumens	5.80
35,000 lumens	9.81
54,000 lumens	13.87

**Fluorescent**

213 watts	2.68
248 watts	3.14

**High Pressure Sodium**

35 watt	0.51
50 watt	0.72
70 watt	1.28
100 watt	1.76
150 watt	2.43
200 watt	3.09
250 watt	3.94
310 watt	4.81
400 watt	5.98

4-60 watt unit bus stop	4.82
2-40 watt unit bus stop	4.82
Metal Halide	3.99

**2. Metered Distribution Rate.**

- A. For metered street lighting, all energy will be billed at \$0.03646 per kWh.
- B. For metered traffic signals and signs, all energy will be billed at \$0.05397 per kWh.

**3. Unmetered Distribution Rate**

A. For unmetered traffic signals and signs, all energy will be billed at \$0.05397 per kWh.

**4. Transmission Services Charge:** Customers taking service under Schedule SL shall pay a transmission services charge for each kWh delivered in accordance with Section 13.04.170.

**5. Energy Services Charge:** Customers taking service under Schedule SL shall pay energy services charge of \$0.065 for each kWh delivered.

**6. Power Cost Adjustment:** Customers taking service under Schedule S-1 shall pay a PCA, as provided in Section 13.04.173. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

**SECTION 11.** Section 13.04.170 of the Pasadena Municipal Code is hereby amended to read as follows:

**“13.04.170 Transmission Services Charge.**

- A. The transmission services charge is designed to capture the Transmission Revenue Requirement and Net Cost Savings from joining Participating Transmission Owner with California Independent System Operator as defined in Subsection C.4 below and shall be based on actual data obtained from the city's accounting system, forecast data obtained from the annual operational plan approved by the City Council, and updated forecast data prepared monthly by PWP.
- B. PWP shall calculate the TSC on a quarterly basis, and the revised value for this charge shall remain in effect for three months.
- C. For purposes of this section, the following definitions apply:
1. ‘Full Service Customers’ shall mean customers who choose PWP as their energy supplier.

2. 'System Energy Sales' means the estimated total energy sales delivered to all customers, including Direct Access Customers. 'Direct Access Customers' shall mean customers who choose an energy supplier other than PWP, taking service under Section 13.04.095.
3. 'Transmission Revenue Requirement' means the sum of all costs related to the high-voltage transmission of energy, including, but not limited to, all transmission contracts, wheeling fees, pertinent labor and operating costs, associated general fund transfer, operating margin, debt service, and ISO access fees, less the sum of all wholesale revenues received in connection with the sale of any transmission entitlements.
4. "Net Cost Savings from being a Participating Transmission Owner with California Independent System Operator (NCS PTO CAISO) shall mean all PTO revenues received from CAISO including, but not limited to, PTO TRR, Net Firm Transmission Right (FTR) Revenues, and High Voltage Wheeling Revenues less all expenses paid to CAISO including, but not limited to, transmission access charges (TAC) and grid-management charges . NCS PTO CAISO shall be subject to an adjustment by CAISO Transmission Revenue Balancing Adjustment Account.

D. The transmission services charge shall be calculated quarterly as follows:

1. Commencing July 1, 2002, a separate Transmission Services Charge Fund (TSCF) account shall be maintained for balancing costs and revenues associated with high-voltage transmission and related services. Any Transmission Access Charge Fund (TACF) over collection or under collection existing on July 1, 2002 shall be deposited in the TSCF balance.
2. The TSCF account balance shall be calculated as the sum of actual revenues from the TSC less the actual TRR plus NCS PTO CAISO.
3. The transmission services charge shall be calculated based on the forecasts for the following twelve months for TRR, NCS PTO CAISO, System Energy Sales, and the TSCF balance as follows:

[TRR Forecast – NCS PTO CAISO Forecast – TSCF Balance]  
[System Energy Sales Forecast]

4. The result of the formula shall be rounded to the nearest mill per kilowatt-hour. This shall be the transmission service charge to be implemented.
5. The transmission services charge for customers served under Schedule M-2 and Schedule L-2 or for service metered and delivered at 17kV or higher shall be reduced by \$0.00019 per kWh.”

**SECTION 12.** The City Clerk shall certify the adoption of this Ordinance and shall cause this ordinance to be published by title and summary.

**SECTION 13.** This ordinance shall take effect upon its publication by title and summary.

Signed and approved this \_\_\_ day of June, 2006.

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Bill Bogaard  
Mayor of the City of Pasadena

I HEREBY CERTIFY that the foregoing ordinance was adopted by the City Council at its meeting held \_\_\_\_\_, 2006, by the following vote:

AYES:

NOES:

ABSENT:


ABSTAIN:

Published:

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JANE L. RODRIGUEZ, CMC  
CITY CLERK

Approved as to form:

  
Scott D. Rasmussen  
Assistant City Attorney