

Introduced by _____

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY OF PASADENA AMENDING THE LIGHT AND POWER RATE ORDINANCE, TITLE 13, CHAPTER 13.04 OF THE PASADENA MUNICIPAL CODE.

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 Pasadena City Charter. The approved summary of this ordinance reads as follows:

"SUMMARY

The purpose of Ordinance No. _____ is to amend the Light and Power Rate Ordinance as directed by the City Council on June 12, 2017, to increase the Distribution and Customer Charges for all electric customers beginning July 1, 2017.

The Water and Power Department is recommending increasing the electric Distribution and Customer Charges to recover the increased costs to operate and maintain the electric distribution system, the portion of new debt service from the Electric Revenue Refunding Bond Issue of 2016 that is attributable to the distribution system, and to meet the requirement to provide necessary "pay-go" funding for capital investment in Electric System Projects. The revenues from the Distribution and Customer charges account for approximately 39 percent of the operating revenues from electric rates.

This ordinance shall take effect on July 1, 2017."

SECTION 2. Title 13, Chapter 13.04, Section 13.04.040 of the Pasadena Municipal Code is hereby amended to read as follows:

"13.04.040 Residential Single-Family Service.

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

**SCHEDULE R-1
Residential Single-Family Service**

- A. Applicability. Applies to separately metered single-family dwellings and to individual family accommodations.
- B. Character of Service Furnished. Single phase 120/240-volt or 120/208-volt service when used for residential purposes only, 60-cycle alternating current service.
- C. Conditions of Use. Motors with more than 150 amps locked rotor are not served under this schedule.
- 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.
 1. Customer Charge. Customers taking service under Schedule R-1 shall pay a customer charge during the billing month as follows:

Effective July 2017:

	Per Meter Per Month
Customer Charge	\$8.96

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

Effective July 2017:

<u>Usage</u>	<u>\$ per kWh</u>
First 350 kWh per month	\$0.01889
Next 400 kWh per month	\$0.14673
All additional kWh per month	\$0.10706

3. Transmission Services Charge. Customers taking service under Schedule R-1 shall pay a transmission services charge for each kWh delivered to the in accordance with Section 13.04.170.
4. Energy Services Charge. Customers taking service under Schedule R-1 shall have two energy rate options.

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
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Summer	\$0.07073
Winter	\$0.06147

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.14750
Summer Off-Peak	\$0.04750
Winter On-Peak	\$0.11150
Winter Off-Peak	\$0.05100

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: Power cost adjustment to be added to energy services charge. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

E. General Conditions.

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

F. Special Provisions.

1. Electric Utility Assistance Program.
 - a. Electric Utility Assistance Program (Basic Benefit). Any customer taking service under this schedule shall be eligible for a five dollar monthly credit against their electricity bills if the gross annual income per calendar year of the household in which such customer resides qualifies for rental assistance under the City's low income rental assistance program. The department shall periodically certify that the customer is eligible for the Basic Benefit.
 - b. Electric Utility Assistance Program (Pasadena Cares).

Any customer eligible for the Basic Benefit shall also be eligible for a credit equal to the public benefit charge provided the customer is either: a) sixty-two years of age or older; or b) meets the criteria of disability as established by the Social Security Administration's Supplemental Income Program for the Aged, Blind and Disabled under Title XVI of the Social Security Act, as amended. The department shall periodically certify that the customer is eligible for the Pasadena Cares benefit.

- c. Electric Utility Assistance Program (Medical). Any customer taking service under this schedule with doctor-prescribed life support equipment requiring electric utility service from the department in order to operate shall be eligible for the Basic Benefit regardless of income. To qualify, a customer must submit satisfactory proof to the department that a full-time occupant of the customer's premises requires a life support device. A qualifying life support device may be any one of the following or such other equipment as the department may deem eligible: aerosol tents, apnea monitors, compressors or concentrators, electrostatic or ultrasonic nebulizers, electric nerve stimulators, hemodialysis machines, kidney dialysis machines, intermittent positive pressure breathing machines, iron lungs, pressure pads, pressure pumps, respirators, or suction machines.

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. On-peak hours: 3:00 p.m. to 8:00 p.m.
Off-peak hours: 8:00 p.m. to 3:00 p.m."

SECTION 3. Title 13, Chapter 13.04, Section 13.04.045 of the Pasadena Municipal Code is hereby amended to read as follows:

"13.04.045 Residential Multi-Family Service.

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

SCHEDULE R-2
Residential Multi-Family Service

- A. **Applicability.** Applies to separately metered multi-family dwellings and to individual family dwellings in multi-family dwellings. Multi-family dwellings are apartments, condominiums or town houses with at least four meters at the same physical location.
- B. **Character of Service Furnished.** Single phase 120/240-volt or 120/208-volt service when used for residential purposes only, 60-cycle alternating current service.
- C. **Conditions of Use.** Motors with more than 150 amps locked rotor are not served under this schedule.
- 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.
1. **Customer Charge.** Customers taking service under Schedule R-2 shall pay a customer charge during the billing month as follows:

Effective July 2017:

	Per Meter Per Month
Customer Charge	\$8.96

2. **Distribution Charge.** Customers taking service under Schedule R-2 shall pay a distribution charge based on kWh used during the billing month as follows:

Effective July 2017:

<u>Usage</u>	<u>\$ per kWh</u>
First 350 kWh per month	\$0.01889
Next 400 kWh per month	\$0.14673
All additional kWh per month	\$0.10706

3. **Transmission Services Charge.** Customers taking service under Schedule R-2 shall pay a transmission services charge for each kWh

delivered to the in accordance with Section 13.04.170.

4. Energy Services Charge. Customers taking service under Schedule R-2 shall have two energy rate options to choose from for their energy services.

4.1 Option A – Seasonal Flat Rate:

<u>Season</u>	<u>Energy Services Charge per kWh</u>
Summer	\$0.07073
Winter	\$0.06147

4.2 Option B – Time-Of-Use Rate:

<u>Time-of-Use</u>	<u>Energy Services Charge per kWh</u>
Summer On-Peak	\$0.14750
Summer Off-Peak	\$0.04750
Winter On-Peak	\$0.11150
Winter Off-Peak	\$0.05100

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: Power cost adjustment to be added to energy services charge. Rate Options A and B are subject to adjustment as provided in Section 13.04.173.

E. General Conditions.

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

F. Special Provisions.

1. Electric Utility Assistance Program.
 - a. Electric Utility Assistance Program (Basic Benefit).

Any customer taking service under this schedule shall be eligible for a five dollar monthly credit against their electricity bills if the gross annual income per calendar year of the household in which such customer resides qualifies for rental assistance under the City's low income rental assistance program. The department shall periodically certify that the customer is eligible for the Basic Benefit.

- b. Electric Utility Assistance Program (Pasadena Cares). Any customer eligible for the Basic Benefit shall also be eligible for a credit equal to the public benefit charge provided the customer is either: a) sixty-two years of age or older; or b) meets the criteria of disability as established by the Social Security Administration's Supplemental Income Program for the Aged, Blind and Disabled under Title XVI of the Social Security Act, as amended. The department shall periodically certify that the customer is eligible for the Pasadena Cares benefit.
- c. Electric Utility Assistance Program (Medical). Any customer taking service under this schedule with doctor-prescribed life support equipment requiring electric utility service from the department in order to operate shall be eligible for the Basic Benefit regardless of income. To qualify, a customer must submit satisfactory proof to the department that a full-time occupant of the customer's premises requires a life support device. A qualifying life support device may be any one of the following or such other equipment as the department may deem eligible: aerosol tents, apnea monitors, compressors or concentrators, electrostatic or ultrasonic nebulizers, electric nerve stimulators, hemodialysis machines, kidney dialysis machines, intermittent positive pressure breathing machines, iron lungs, pressure pads, pressure pumps, respirators, or suction machines.

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. On-peak hours: 3:00 p.m. to 8:00 p.m.
Off-peak hours: 8:00 p.m. to 3:00 p.m.”

SECTION 4. Title 13, Chapter 13.04, 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.
 - 1. Customer Charge. Customers taking service under Schedule S-1 shall pay a customer charge during the billing month as follows:

Effective July 2017:

Customer Charge:	Per Meter Per Month
Single and Three-Phase service	\$9.42

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

Effective July 2017:

All kWh per month

\$0.06423

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: Customers shall pay a minimum equal to the Customer Charge under Schedule S-1 when there is zero kWh used during the billing month.

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 Provisions.

1. Customers connected to 120/208 volt service whose sole usage of electricity is for residential purposes as defined by the PWP, 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. Title 13, Chapter 13.04, 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.
 1. **Customer Charge.** Customers taking service under Schedule M-1 shall pay a customer charge during the billing month as follows:

Effective July 2017:

	Per Meter Per Month
Customer Charge	\$23.40

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

Effective July 2017:

All kilowatts of demand	\$16.09 per kW
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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 M-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:

Effective July 2017:
Minimum monthly charge\$506.10

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 four 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 6. Title 13, Chapter 13.04, 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. 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-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.

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

Effective July 2017:

Customer Charge	Per Meter Per Month \$29.75
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- 2. Distribution Charge. Customers taking service under Schedule M-2 shall pay a distribution charge during the billing month as follows:

Effective July 2017:

All kilowatts of demand	\$11.49 per kW
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- 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>
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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 M-2 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:

Effective July 2017:

Minimum monthly charge \$374.45

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 Provisions.

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 four 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 7. Title 13, Chapter 13.04, 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 customer charge, the distribution charge, the transmission services charge, and the energy services charge as specified below.

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

Effective July 2017:

Customer Charge	Per Meter Per Month
	\$47.91

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

Effective July 2017:

All kilowatts of demand	\$18.76 per KW
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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 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 L-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:

Effective July 2017:

Minimum monthly charge \$5,675.91

E. Special Provisions.

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 four 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 8. Title 13, Chapter 13.04, 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-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 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.

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

Effective July 2017:

Customer Charge

Per Meter Per Month
\$53.90

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

Effective July 2017:

All kilowatts of demand

\$11.89 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:

Time-of-Use

Energy Services Charge per kWh

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 L-2 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:

Effective July 2017:

Minimum monthly charge \$3,620.90

E. Special Provisions.

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 four 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:
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 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. The City Clerk shall certify the adoption of this ordinance and shall cause this ordinance to be published by title and summary.

SECTION 10. This ordinance shall take effect on July 1, 2017.

Signed and approved this ____ day of June, 2017.

Terry Tornek
Mayor of the City of Pasadena

I HEREBY CERTIFY that the foregoing ordinance was adopted by the City Council at its meeting held this ____ day of _____, 2017, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Date Published:

Mark Jomsky, CMC
CITY CLERK

Approved as to form:



Lisa Hosey
Deputy City Attorney