

RESOLUTION NO. 19-8782

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARA, CALIFORNIA, AMENDING CITY RATE SCHEDULES FOR ELECTRIC UTILITY SERVICE TO INCREASE ELECTRIC RATES AND CHARGES IN EACH RATE SCHEDULE BY THREE PERCENT (3.0%) BEGINNING JANUARY 1, 2020 (BILL CYCLE 692), AND TO STREAMLINE RATE SCHEDULE SB-1, AND ESTABLISHING ELECTRIC RATE SCHEDULE PA-E

BE IT RESOLVED BY THE CITY OF SANTA CLARA AS FOLLOWS:

WHEREAS, all electric energy and power furnished to customers of the Electric Department of the City of Santa Clara, California, doing business as Silicon Valley Power, shall be supplied and charged to such customers, and paid for by such customers in accordance with certain electric rate schedules, tariffs and rules and regulations adopted and amended from time to time by the City Council;

WHEREAS, Chapter 13.05 of the Santa Clara City Code ("Code") pertains to Operation of an Electric Utility, and Section 13.05.040 of the Code provides that the City Council may, by resolution, from time to time as it deems necessary for the administration or implementation of the intent of this chapter, review, revise, adopt and/or promulgate new or amended rate schedules and regulations concerning the operation or administration of the Electric Utility;

WHEREAS, the Electric Department presented a Report To Council to City Council at its regularly scheduled meeting on November 19, 2019 to amend the City of Santa Clara Electric Rate Schedules ("Rate Schedules"), and to establish Rate Schedule PA-E for unmetered electric service to a wider variety of communications attachments to City owned poles; and,

WHEREAS, the City Council reviewed and approved the recommendations contained in the Report to Council, which included the recommendation to the City Council to amend the Rate Schedules for utility service to increase electric rates and charges in such Rate Schedules by three percent (3.0%) beginning January 1, 2020, to establish Rate Schedule PA-E, and to streamline the calculation of capacity reservation charges under Rate Schedule SB-1.

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**NOW THEREFORE, BE IT FURTHER RESOLVED BY THE CITY OF SANTA CLARA AS
FOLLOWS:**

1. That the Rate Schedules, which are attached to this Resolution and incorporated by reference, are amended to include and memorialize the changes as presented by City Staff to the City Council during its regularly scheduled meeting on November 19, 2019, to increase electric rates and charges in each Rate Schedule by three percent (3.0%) beginning January 1, 2020 (Bill Cycle 692), to streamline the calculation of capacity reservation charges under Rate Schedule SB-1, and to establish Rate Schedule PA-E for unmetered electric service to communications attachments to City owned poles.
2. That the amended Rate Schedules and new Rate Schedule PA-E attached to this Resolution are hereby approved and adopted by the City Council and said Rate Schedules designated to become effective January 1, 2020.
3. That the increases in the electrical rates as indicated in the amended Rate Schedules adopted by the City Council in this Resolution are necessary to enable the Electric Department to offset increased costs due primarily to increased transmission costs and additional environmental and reliability requirements, and upgrade of transmission and distribution systems costs while maintaining the Rate Stabilization Fund at the target level.

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4. That a true and correct copy of the Resolution, including amended Rate Schedules, shall be kept on file in the Office of the City Clerk and in the Billing Division of the City Finance Department at all times while the rates are effective and, until further amended or replaced, shall be open to public investigation and inspection during the regular business hours of such offices.

5. Effective date. This resolution shall become effective immediately.

I HEREBY CERTIFY THE FOREGOING TO BE A TRUE COPY OF A RESOLUTION PASSED AND ADOPTED BY THE CITY OF SANTA CLARA, CALIFORNIA, AT A REGULAR MEETING THEREOF HELD ON THE 19TH DAY OF NOVEMBER, 2019, BY THE FOLLOWING VOTE:

AYES: COUNCILORS: Davis, Hardy, Mahan, O'Neill, and Watanabe, and Mayor Gillmor

NOES: COUNCILORS: None

ABSENT: COUNCILORS: Chahal

ABSTAINED: COUNCILORS: None

ATTEST: 
NORA PIMENTEL, MMC
ASSISTANT CITY CLERK
CITY OF SANTA CLARA

Attachments incorporated by reference:

1. Rate Schedules to be Effective January 1, 2020

**CITY OF SANTA CLARA
SILICON VALLEY POWER
RATE SCHEDULES
TO BE EFFECTIVE JANUARY 2020**

**RATE SCHEDULE D-1
DOMESTIC SERVICE**

**RATE SCHEDULE C-1
GENERAL SERVICE**

**RATE SCHEDULE CB-1
GENERAL SERVICE DEMAND METERED**

**RATE SCHEDULE CB-3
LARGE GENERAL SERVICE DEMAND METERED**

**RATE SCHEDULE CB-6
LARGE COMBINED GENERAL SERVICE**

**RATE SCHEDULE CB-7
LARGE COMBINED GENERAL SERVICE – MARKET BASED OPTION**

**RATE SCHEDULE CB-8
CUSTOMER LOAD RETENTION**

**RATE SCHEDULE SB-1
LARGE STANDBY GENERAL SERVICE
DEMAND METERED**

**RATE SCHEDULE NM
NET ENERGY METERING SERVICE**

**RATE SCHEDULE P-1
GENERAL POWER-CONNECTED LOAD BASE**

**RATE SCHEDULE SL-1
STREET AND HIGHWAY LIGHTING**

**RATE SCHEDULE SL-2
PRIVATE OUTDOOR AREA LIGHTING SERVICE**

**RATE SCHEDULE TC
TRAFFIC CONTROL SERVICE**

**RATE SCHEDULE IC
IRRIGATION CONTROLLER SERVICE**

RATE SCHEDULE TS-1

**NON-METERED TRANSIT SHELTER
ADVERTISEMENT LIGHTING**

**RATE SCHEDULE A
MUNICIPAL WATER DEPARTMENT**

**RATE SCHEDULE PA-E
COMMUNICATION ATTACHMENT ON SVP POLES- UNMETERED**

CITY OF SANTA CLARA SILICON VALLEY POWER

RATE SCHEDULE PA-E ELECTRIC SERVICE TO COMMUNICATIONS ATTACHMENTS TO SVP POLES

Sheet 1 of 2

APPLICABILITY:

This schedule is applicable to unmetered service to telecommunications equipment mounted on SVP-owned poles. Electric usage at each electric connection will be determined as set forth in Note (F) below.

RATES:

CUSTOMER CHARGE:

For each electric connection, per month \$3.83

ENERGY CHARGE (in addition to the Customer Charge):

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note A, will be added to the above charges.

NOTES:

(A) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to 2.85% of the otherwise applicable rate.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to estimated kWh per controller times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(B) TYPE OF SERVICE:

Energy will be supplied at 120 volts, single phase, two wire service. Where only other voltages are available, applicant shall pay, in advance, Silicon Valley Power's cost to convert from the available voltage to 120 volts.

Date Effective: January 2002 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: None	

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE PA-E
ELECTRIC SERVICE TO
COMMUNICATIONS ATTACHMENTS
TO SVP POLES**

Sheet 2 of 2

(C) **POINT OF DELIVERY:**
Delivery will be made from Silicon Valley Power's existing electric lines at a point mutually agreed upon, without extension thereof to customer's system.

(D) **SERVICE CONNECTION:**
Silicon Valley Power will provide overhead or underground service in accordance with the current Rules and Regulations for Electric Service. However, applicant shall pay to Silicon Valley Power, in advance, the amount, if any, by which Silicon Valley Power's costs to provide underground service exceeds its cost to provide an overhead service.

(E) **MAINTENANCE:**
Maintenance will be performed by the customer.

(F) **DETERMINATION OF ELECTRIC USAGE:**
The amount of electric usage subject to the Energy Charge shall be determined as the product of the rated capacity, expressed in kilowatts, of Customer's communications equipment served at each connection point times 730. Customer shall be responsible for notifying SVP at least 60 days prior to making any equipment change that would increase or decrease the rated capacity of Customer's equipment, in order that SVP may make commensurate, timely change to Customer's billing determinants.

Date Effective: January 2002 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: None	

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE NM
NET ENERGY METERING SERVICE**

Sheet 1 of 3

With 2020 Excess Energy Rate

APPLICABILITY:

This Net Energy Metering rate schedule is applicable to all customers served by Silicon Valley Power (SVP), who own and operate a solar or a wind turbine electrical generating facility, or a hybrid system of both. Such facility shall be located on the customer's premises, shall operate in parallel with SVP's transmission and distribution facilities, shall not exceed 1000 kilowatts, and shall be used primarily to offset part or all of the customer's own electrical requirements. Availability of this schedule to such "customer-generators" will be on a first-come first-served basis, until the total rated generating capacity operated by eligible customer-generators equals 5.0 percent of SVP's annual peak distribution demand.

RATES:

All rates charged under this schedule shall be the same as the rates charged under the eligible customer generator's otherwise applicable rate schedule (OAS). An eligible customer-generator served under this schedule shall be responsible for all charges under the otherwise applicable rate schedule, except that energy usage will be metered and billed on a net basis. An annual bill will be rendered, as required by Section 2827 of the California Public Utilities Code. A monthly statement of accumulated charges and credits shall be provided. Monthly statements shall be subject to SVP's payment provisions pursuant to Municipal Service Rule and Regulation No. 6, except that customers whose OAS is Schedule CB-1,CB-3, CB-6, CB-7, or CB-8 shall be subject to monthly payment of bills, and be subject to annual true-up as necessary. If the energy generated exceeds the energy consumed during the annual billing cycle, at the customer-generator's option, payment shall be made for such excess energy delivered to SVP's distribution facilities as set forth below, or applied as a credit to the next annual billing cycle.

METERING:

Net energy metering is the use of a single meter to measure the flow of electricity in two directions. If the existing electrical meter of an eligible customer-generator is not capable of measuring the flow of electricity in two directions the customer-generator shall be responsible for all expenses involved in purchasing and installing a meter that is able to measure electricity flow in two directions. Any additional meter or meters to monitor the flow of electricity in each direction may be installed with the consent of the customer-generator, at SVP expense. Such additional metering shall be used only to provide information necessary to accurately bill or credit the customer-generator, or to collect performance standards on the customer's solar and/or wind electric generating systems.

INTERCONNECTION:

Prior to interconnection, the customer-generator shall execute an interconnection agreement with SVP and shall comply with SVP's Rules and Regulations regarding parallel generation, except that service under a standby rate schedule shall not be required. The customer-generator must also meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

RATE SCHEDULE NM NET ENERGY METERING SERVICE	Sheet 2 of 3
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With 2020 Excess Energy Rate

PAYMENT RATE FOR EXCESS ENERGY:

The Payment Rate for Excess Energy shall be revised and effective January 1 of each calendar year, and shall consist of the sum of an avoided energy cost charge and an avoided renewable energy value charge. The avoided energy cost is equal to 8000 Btu/KWhr times SVP's avoided cost of gas in \$/million Btu. The avoided cost of gas shall be the average of the 12 monthly values for PG&E Citygate taken from Natural Gas Intelligence, adjusted to include transportation to Santa Clara, ending in October of the year prior to the effective date of the Payment Rate for Excess Energy. The avoided renewable energy value charge shall be equal to the average value of renewable energy credits used for SVP's Green Power Program in the 12 months ending In October of the year prior to the effective date of the Payment Rate for Excess Energy.

Payment Rate for Excess Energy effective January 1, 2020: \$ 0.05412 per kWhr

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE NM
NET ENERGY METERING SERVICE**

Sheet 3 of 3

With 2020 Excess Energy Rate

Exhibit A

**Rate Schedule NM
Derivation of Payment Rate for Excess Energy**

1. Avoided energy cost charge:

Average of the monthly values for PG&E Citygate from Natural Gas Intelligence for the 12 months ending October 2019: \$3.66 per MMBtu

Average cost of transportation from PG&E Citygate to Santa Clara for the 12 months ending October 2019: \$ 1.2281 per MMBtu

Total average delivered cost of gas: \$4.89 per MMBtu

Avoided energy cost = \$4.89 per MMBtu x 8000 Btu/kWhr = \$0.03912/kWhr

2. Avoided renewable energy value charge:

Average value of renewable energy credits used for SVP's Green Power Programs for the 12 months ending October 2019: \$0.015 per kWhr

3. Payment Rate for Excess Energy beginning January 2020:

	<u>\$/kWhr</u>
Avoided energy cost charge	\$0.03912
Avoided renewable energy value charge	\$0.01500
Total	\$0.05412

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SB-1
STANDBY GENERAL SERVICE
DEMAND METERED**

Sheet 1 of 1

DESCRIPTION OF SERVICE

This schedule is applicable to standby service for customer's on-site self-generation operated in parallel with service from SVP under Rate Schedules CB-1, CB-3, CB-6, or CB-7, where such self-generation is not eligible for service under Schedule NEM. This Schedule does not apply to customer's on-site renewable electrical generation facility where Schedule NEM is applicable. The Capacity Reservation Charges under this Schedule SB-1 are supplemental to the demand charges under the above Rate Schedules, and are intended to result in SVP receiving substantially the same amount of demand charges that SVP would have received in the absence of customer's self-generation.

RATES:

CUSTOMER CHARGE:

The Customer Charge is equal to the applicable Customer Charge set forth in Customer's otherwise applicable rate schedule.

CAPACITY RESERVATION CHARGE (CRC):

The Capacity Reservation Charge is equal to the applicable Demand Charge per kW set forth in customer's otherwise applicable Rate Schedule multiplied by 45% of the nameplate rating of customer's on-site self-generation.

SURCHARGES:

Public Benefits Charge, as set forth in Note B, will be added to the above charges.

NOTES:

(A) FLUCTUATIONS IN CUSTOMER'S SELF-GENERATION OUTPUT:

Customer shall coordinate with SVP's System Dispatcher for changes of 2000 kW or more in the output of customer's self-generation. If operationally necessary and practical, the System Dispatcher may require customer to schedule the return to service of customer's self-generation. Such coordination shall not relieve Customer from Capacity Reservation Charges determined above.

(B) PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to the sum of the Meter Charge and Capacity Reservation Charge, times 0.0285.

(C) Customer generation under this rate schedule shall be metered by SVP. Customer shall provide a meter location using a meter type that is acceptable to, and accessible by, SVP.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA SILICON VALLEY POWER

RATE SCHEDULE A MUNICIPAL WATER DEPARTMENT

Sheet 1 of 1

DESCRIPTION OF SERVICE:

The schedule is applicable to electricity used by the Municipal Water Department for water and sewer pumping service.

RATES:

All kWh, per kWh \$ 0.10456

SURCHARGE:

NOTICE: Public Benefits Charge and State Surcharge, as set forth in Note A, will be added to the above charge.

NOTES:

(A) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy and low income assistance programs. The surcharge is equal to kWh billed times 2.85%.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

<p>Date Effective: January 2020 Bill Cycle 692, Series 100</p>	<p>Resolution No. _____</p>
<p>Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100</p>	<p>Resolution No. 18-8620</p>

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE C-1
GENERAL SERVICE**

Sheet 1 of 2

DESCRIPTION OF SERVICE:

This schedule is applicable to alternating current service through one meter, for power and heating alone or combined with lighting. This schedule is applicable to customers who do not qualify for Schedule D-1, CB-1, CB-3, CB-6, CB-7 or CB-8. The Time Of Use (TOU) Option is available to all customers. Customers who utilize the TOU option will be responsible for the installed cost of a TOU meter, as set forth in Note (B) below.

RATES:

Non-Time of Use

Time of Use Option

SINGLE-PHASE SERVICE:

CUSTOMER CHARGE, per meter per month: \$ 3.83 \$ 3.83

ENERGY CHARGE: (In addition to the Customer Charge)

		<u>Peak</u>	<u>Off-Peak</u>
First 800 kWh, per kWh	\$0.18421	\$0.20047	\$0.17090
Excess Over 800 kWh, per kWh	\$0.16722	\$0.18348	\$0.15391

MINIMUM CHARGE: \$3.83 per meter per month but not less than \$2.37 per month per kVA of connected welder load, rectifier load, x-ray and x-ray type equipment load, fusing machine load, and other types of welding equipment load.

THREE-PHASE SERVICE: The single-phase rate plus \$3.00 per meter per month.

MINIMUM CHARGE: \$6.83 per month, but not less than \$2.37 per month per kVA of connected welder load and per horsepower of polyphase connected load, rectifier load, x-ray and x-ray type equipment load, fusing machine load, and other types of welding load.

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note A, will be added to the above charges.

NOTES:

(A) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, and low income assistance programs. The surcharge is equal to the sum of the Customer Charge and the Energy Charge times 0.0285.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE C-1
GENERAL SERVICE**

Sheet 2 of 2

the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(B) TIME OF USE (TOU) OPTION:

Customers who select the time of use option will pay a one-time TOU Meter Installation Charge, which is the cost of a TOU meter, plus its installation cost. This Charge is set forth in the City of Santa Clara Municipal Fee Schedule. The manufacturer and model of such meter shall be at the sole discretion of Silicon Valley Power. Time of use periods are as set forth below:

Peak Period: Monday through Saturday, except holidays (New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day), beginning at 6:00 AM and ending at 10:00 PM.

Off-Peak Period: All other hours.

The TOU meter is used to measure kWhr usage in the peak and off-peak periods. The ratio of peak kWhr to total kWhr will be used to determine the portion of the First 800 kWhr that falls in the peak period. This ratio will also be used to determine the portion of kWhr usage above 800 kWhr that falls in the peak period.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-1
GENERAL SERVICE DEMAND
METERED**

Sheet 1 of 3

DESCRIPTION OF SERVICES:

This schedule is applicable to commercial or industrial services whose monthly use of energy has exceeded 8,000 kWh for three (3) consecutive months, or where the initial connected load indicates use above 8,000 kWh per billing period. When either of these qualifications has been met, this schedule as well as a Maximum Demand meter will be installed as promptly as is practicable. Both the Schedule CB-1 and the Maximum Demand meter will be continued in service until the monthly use of energy has fallen below 6,000 kWh for 12 consecutive months. At that time, and at the option of Silicon Valley Power, Schedule C-1 will be applicable and the Maximum Demand meter may be removed. Also, this schedule is applicable to those customers that were served under Schedule CB-2 for a period of (15) years or more. The Time of Use Option is available to all customers. Customers who utilize the TOU option will be responsible for the installed cost of a TOU meter, if necessary, as set forth in Note (E) below.

RATES:

	<u>Non-Time of Use</u>	<u>Time of Use</u>
<u>CUSTOMER CHARGE</u> , per meter per month	\$69.51	\$69.51

DEMAND CHARGE:

	<u>Non-Time of Use</u>	<u>Time of Use</u>
	Peak	Off-Peak
All kW of Billing Demand, per kW	\$8.40	\$8.40 \$0.00

ENERGY CHARGE:

	<u>Non-Time of Use</u>	<u>Time of Use</u>
	Peak	Off-Peak
All kWh, per kWh	\$0.11167	\$0.12795 \$0.09837

MINIMUM CHARGE:

The Demand Charge constitutes the Minimum Charge.

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note D, will be added to the above charges.

NOTES:

(A) **MAXIMUM DEMAND:**

The Maximum Demand in any month will be the average kW delivery of the 15-minutes interval in which such delivery is greater than in any other 15-minute interval in the month, provided, however, that in case the load is intermittent or subject of violent fluctuations, Silicon Valley Power may use a 5-minute interval instead of a 15-minute interval.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683 Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-1
GENERAL SERVICE DEMAND
METERED**

Sheet 2 of 3

(B) BILLING DEMAND:

The Billing Demand to be used in computing charges under this schedule will be the mean of the Maximum Demand for the current month and the highest such demand occurring in the year ending with current month.

(C) VOLTAGE:

Single-phase or three-phase service on this schedule will be supplied at the secondary voltage available, or at the option of the customer, at the primary voltage available, subject to the rules and regulations for electric service.

(D) SURCHARGES:

PUBLIC BENEFITS CHARGE: The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, and low income assistance programs. The surcharge is equal to the sum of the Customer Charge, Demand Charge and Energy Charge, including adjustment for Primary Voltage and Power Factor, times 0.0285.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(E) TIME OF USE OPTION:

Customers who select the time of use option will pay a one-time TOU Meter Installation Charge, which reflects the cost difference (including installation) between a non-time of use meter and a time of use meter. This Charge is set forth in the City of Santa Clara Municipal Fee Schedule. The manufacturer and model of such meter shall be at the sole discretion of Silicon Valley Power. Time of use periods are as set forth below:

Peak Period: Monday through Saturday, except holidays (New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day), beginning at 6:00 AM and ending at 10:00 PM.

Off-Peak Period: All other hours.

The TOU meter is used to measure kWhr and kW in the peak and off-peak periods.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683 Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-1
GENERAL SERVICE DEMAND
METERED**

Sheet 3 of 3

(F) PRIMARY VOLTAGE DISCOUNT:

When delivery is made at the same voltage as that of the distribution line from which the service is supplied, a discount of \$1.05 per kW of Billing Demand for 12kV line voltages will be allowed, provided, however, Silicon Valley Power is not required to supply service at a particular line voltage where it has (or will install) ample facilities for supplying at another voltage equally or better suited to the customer's electrical requirements. Silicon Valley Power retains the right to change its line voltage at any time, after reasonable advance notice to any customer receiving a discount hereunder and affected by such change, and such customer then has the option to change their system so as to receive service at the new line voltage or to accept service (without voltage discount) through transformers to be supplied by Silicon Valley Power.

(G) POWER FACTOR:

When the Billing Demand has exceeded 300 kW for three consecutive months and thereafter until it has fallen below 200 kW for twelve consecutive months, bills will be adjusted for weighted monthly average Power Factor as follows:

The total charge (except when Minimum Charge only) for any month as computed on the above rates will be decreased or increased, respectively, by 0.1% for each 1% that the average Power Factor of customer's load in that month, was greater or less than 85%, such average Power Factor to be computed (to the nearest whole percent) from the ratio of lagging kilovolt-ampere-hours to kilowatt-hours consumed in the month.

(H) OFF-PEAK DEMAND – NON TIME OF USE:

Any customer may, upon request, have their Maximum Demand measured by a recording type meter, and all demands occurring between 10:00 PM and 6:00 AM of the following day and on Sundays and legal holidays will not be counted in determining the Billing Demand.

**Date Effective: January 2020
Bill Cycle 692, Series 100**

Resolution No. _____

**Supersedes Rate Effective: April 2019
Bill Cycle 683 Series 100**

Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-3
LARGE GENERAL SERVICE DEMAND
METERED**

Sheet 1 of 3

DESCRIPTION OF SERVICE

This schedule is applicable to industrial and commercial services whose monthly billing demands have exceeded 4,000 kilowatts for three consecutive months, or where the initial connected load indicates a demand above 4,000 kilowatts. Customers served under this Schedule CB-3 will be continued in service until the monthly billing demand has fallen below 4,000 kilowatts for 12 consecutive billing periods. The Time of Use Option is available to all customers. Customers who utilize the TOU option will be responsible for the installed cost of a TOU meter, if necessary, as set forth in Note (E) below.

RATES:

	<u>Non-time of use</u>	<u>Time of Use</u>	
<u>CUSTOMER CHARGE – per meter per month</u>	\$69.51		\$69.51
<u>DEMAND CHARGE:</u>	<u>Non-time of use</u>	<u>Time of Use</u>	
All kW of Billing Demand, per KW	\$11.20	Peak \$11.20	Off-Peak \$0.00

	<u>Non-time of use</u>	<u>Time of Use</u>	
All kWh, per kWhr	\$0.10285	Peak \$0.11909	Off-Peak \$0.08952

MINIMUM CHARGE:

The Demand Charge constitutes the Minimum Charge.

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note D, will be added to the above charges.

NOTES:

(A) **MAXIMUM DEMAND:**

The Maximum Demand in any month will be the average kW delivery of the 15-minute interval in which such delivery greater than in any other 15-minute interval in the month, provided, however, that in case the load is intermittent or subject to violent fluctuations, Silicon Valley Power may use a 5-minute instead of a 15-minute interval.

(B) **BILLING DEMAND:**

The Billing Demand to be used in computing charges under this schedule will be the mean of the actual Maximum Demand for the current month and the highest such demand occurring in the year ending with the current month.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-3
LARGE GENERAL SERVICE DEMAND
METERED**

Sheet 2 of 3

(C) VOLTAGE:

Service on this schedule will be supplied at the primary voltage available or, at the option of Silicon Valley Power, at the secondary voltage available, subject to the rules and regulations for electric service.

(D) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, and low income assistance programs. The surcharge is equal to the sum of the Customer Charge, Demand Charge, and Energy Charge, including adjustment for primary Factor and Primary Voltage, times 0.0285.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(E) TIME OF USE OPTION:

Customers who select the time of use option will pay a one-time TOU Meter Installation Charge, which reflects the cost difference (including installation) between a non-time of use meter and a time of use meter. This Charge is set forth in the City of Santa Clara Municipal Fee Schedule. The manufacturer and model of such meter shall be at the sole discretion of Silicon Valley Power. Time of use periods are as set forth below:

Peak Period: Monday through Saturday, except holidays (New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day), beginning at 6:00 AM and ending at 10:00 PM.

Off-Peak Period: All other hours.

The TOU meter is used to measure kWhr and kW in the peak and off-peak periods.

(F) PRIMARY VOLTAGE DISCOUNT:

When delivery is made at the same voltage as that of the distribution line from which the service is supplied, a discount of \$1.05 per kW of Billing Demand for 12kV or higher available line voltages will be allowed, provided, however, Silicon Valley Power is not required to supply service at a particular line voltage where it has (or will install) ample facilities for supplying at another voltage equally or better suited to the customer's electrical requirements. Silicon Valley Power retains the right to change its line voltage at any time, after reasonable advance notice to any customer receiving a discount hereunder and affected by such change, and such customer then has the option to change their system so as to receive service

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-3
LARGE GENERAL SERVICE DEMAND
METERED**

Sheet 3 of 3

at the new line voltage or to accept service (without voltage discount) through transformers to be supplied by Silicon Valley Power.

(G) POWER FACTOR:

The total charge (except when Minimum Charge only) for any month as computed on the above rates will be decreased or increased, respectively, by 0.1% for each 1% that the average Power Factor of customer's load in that month is greater or less than 85%. Such average Power Factor to be computed (to the nearest whole percent) from the ratio of lagging kilovolt-ampere-hours to kilowatt-hours consumed in the month, provided, however, that no Power Factor correction will be made for any month when customer's Maximum Demand is less than 10% of the highest demand in the preceding eleven months.

(H) OFF-PEAK DEMAND:

Any customer served under this Rate Schedule may, upon request, have their Maximum Demand measured by a recording type meter, and all demands occurring between 10:00 P.M. and 6:00 A.M. of the following day and on Sundays and legal holidays will be discounted in determining the Billing Demand.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-6
LARGE COMBINED GENERAL
SERVICE**

Sheet 1 of 3

DESCRIPTION OF SERVICE

This Schedule is optional to Customers who occupy one or more demand-metered service addresses served by Silicon Valley Power (SVP), where electric service from SVP is in Customer's name, and where Customer's combined monthly electric billing demand is 5,000 kW or more. Customers with self-generation may also be subject to Schedule SB-1. Customers who select this rate option will need to provide at least one month written notice and continue with this rate option for at least one year. This Schedule is closed to Customers covered by a separate Electric Sales Agreement between Customer and SVP.

RATE OPTIONS:

CUSTOMER CHARGE

For Each Service Address – per meter per month

Non Time of Use

Time of Use

\$315.18

\$315.18

DEMAND CHARGE:

All kW of Billing Demand, per kW:

\$20.43

Peak

Off-Peak

\$20.43

\$0.00

ENERGY CHARGE:

First 5,000,000 kWh, per kWh

\$0.07774

\$0.08111

\$0.07480

Next 10,000,000 kWh, per kWh

\$0.07564

\$0.07901

\$0.07270

Next 5,000,000 kWh, per kWh

\$0.07144

\$0.07480

\$0.06850

Over 20,000,000 kWh, per kWh

\$0.06514

\$0.06850

\$0.06220

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note E, will be added to the above charges.

NOTES:

(A) **MAXIMUM DEMAND**

The Maximum Demand in any month will be the sum of the highest average kW delivery, at each service address, of any 15-minute interval occurring between 1:00 PM and 10:00 PM Monday through Saturday, excluding holidays. However, in case the load is intermittent or subject to violent fluctuations, Silicon Valley Power may use a 5-minute interval instead of a 15-minute interval.

(B) **BILLING DEMAND**

The Billing Demand to be used in computing charges under this schedule will be sum of the mean of the actual Maximum Demand for the current month at each service address and the highest such demand occurring in the year ending with the current month at each service address, but not less than 5,000 kw.

(C) **VOLTAGE ADJUSTMENT:**

For each Service Address served at less than 12,000 volts, the Demand Charge will be increased by

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-6
LARGE COMBINED GENERAL
SERVICE**

Sheet 2 of 3

\$1.05 per kW. For each Service Address served at 60,000 volts directly from a customer owned substation or from a SVP-owned substation directly paid for by customer, the Demand Charge will be reduced by \$1.313 per kW. However, Silicon Valley Power is not required to supply service at a particular line voltage where it has (or will install) ample facilities for supplying at another voltage equally or better suited to the customer's electrical requirements. Silicon Valley Power retains the right to change its line voltage at any time, after reasonable advance notice to any customer receiving a discount hereunder and affected by such change, and such customer then has the option to change their system so as to receive service at the new line voltage or to accept service (without voltage discount) through transformers to be supplied by Silicon Valley Power.

(D) POWER FACTOR:

For each service address where Billing Demand has exceeded 300 kW for three consecutive months, bills will be adjusted for weighted monthly average Power Factor as follows: the sum of Customer Charge, Demand Charge, Energy Charge, Secondary Voltage Adjustment (as applicable) and 60kV Delivery Adjustment (as applicable) for any month as computed on the above rates will be decreased or increased, respectively, by 0.1 % for each 1 % that the average Power Factor is greater or less than 85%. Such average Power Factor to be computed (to the nearest whole percent) from the ratio of lagging kilovolt-ampere-hours to kilowatt- hours consumed in the month, provided, however, that no Power Factor correction will be made for any month when the Maximum Demand of such service address, is less than 10% of the highest demand in the preceding eleven months.

Power Factor Adjustment will be discontinued for any service address that falls below 200 kW for 12 consecutive months.

(E) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to the sum of the Customer Charge, Demand Charge, Energy Charge, Voltage and Power Factor Adjustment, times 0.0285.

STATE SURCHARGE:

The State Surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-6
LARGE COMBINED GENERAL
SERVICE**

Sheet 3 of 3

(F) CALCULATION OF ENERGY CHARGES AT EACH SERVICE ADDRESS:

The energy charges calculated under this Schedule CB-6 will be apportioned to each service address as follows:

1. Energy Charges for each service address will be determined as the ratio of the kWh usage at each service address divided by the sum of kWh usage at all applicable service addresses.
2. After such apportionment, each service address will be subject to the applicable Voltage Adjustment, Power Factor Adjustment, Public Benefits Charge and State Surcharge provisions set forth above.
3. Payment for bills rendered at each service address shall be made by wire transfer, automated clearing house (ACH) transfer, check or credit card. Payments made by credit card will be subject to the applicable credit card transaction fees.

(G) TIME OF USE OPTION:

Customers who select the time of use option will need to provide at least one month written notice and continue with this option for at least one year. Customers who select the time of use option will pay a one-time TOU Meter Installation Charge, which reflects the cost difference (including installation) between a non-time of use meter and a time of use meter. This Charge is set forth in the City of Santa Clara Municipal Fee Schedule. The manufacturer and model of such meter shall be at the sole discretion of Silicon Valley Power. Time of use periods are as set forth below:

Peak Period: Monday through Saturday, except holidays (New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day), beginning at 1:00 PM and ending at 10:00 PM.

Off-Peak Period: All other hours. The TOU meter is used to measure kWh and kW in the peak and off-peak period.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA

RATE SCHEDULE CB-7 LARGE COMBINED GENERAL SERVICE – MARKET BASED OPTION

Sheet 1 of 6

DESCRIPTION OF SERVICE

This Schedule is optional to Customers who occupy one or more demand-metered service addresses served by Silicon Valley Power (SVP), where electric service from SVP is in Customer's name, and where Customer's combined monthly electric billing demand is 5,000 kW or more. Customers with self-generation may also be subject to Schedule SB-1. Under this Schedule, Customers may designate a portion of their monthly energy purchased from SVP to be priced based on Note H. Customer who select this rate option will continue with this option for the full kWh volume subscribed for at least one year. Customer must also provide at least three months' written notice to terminate this option and to be billed under other applicable rate schedule. This Schedule is closed to Customers covered by a separate Electric Sales Agreement between Customer and SVP. The total combined energy for all SVP customers that may be served under this rate schedule is 30,000,000 kWh per month.

RATE OPTIONS:

CUSTOMER CHARGE

	<u>Non Time of Use</u>	<u>Time of Use</u>
For Each Service Address – per meter per month	\$315.18	\$315.18

DEMAND CHARGE:

		<u>Peak</u>	<u>Off-Peak</u>
All kW of Billing Demand, per kW:	\$20.43	\$20.43	\$0.00

ENERGY CHARGE:

First 5,000,000 kWh, per kWh	\$0.07774	\$0.08111	\$0.07480
Next 10,000,000 kWh, per kWh	\$0.07564	\$0.07901	\$0.07270
Next 5,000,000 kWh, per kWh	\$0.07144	\$0.07480	\$0.06850
Over 20,000,000 kWh, per kWh	\$0.06514	\$0.06850	\$0.06220

MARKET-BASED PRICING ADJUSTMENT:

See NOTE H

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note E, will be added to the above charges.

NOTES:

(A) MAXIMUM DEMAND

The Maximum Demand in any month will be the sum of the highest average kW delivery, at each service address, of any 15-minute interval occurring between 1:00 PM and 10:00 PM Monday through Saturday, excluding holidays. However, in case the load is intermittent or subject to violent fluctuations, Silicon Valley Power may use a 5-minute interval instead of a 15-minute interval.

(B) BILLING DEMAND

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA

RATE SCHEDULE CB-7 LARGE COMBINED GENERAL SERVICE – MARKET BASED OPTION

Sheet 2 of 6

The Billing Demand to be used in computing charges under this schedule will be sum of the mean of the actual Maximum Demand for the current month at each service address and the highest such demand occurring in the year ending with the current month at each service address, but not less than 5,000 kW.

(C) **VOLTAGE ADJUSTMENT:**

For each Service Address served at less than 12,000 volts, the Demand Charge will be increased by \$1.05 per kW. For each Service Address served at 60,000 volts directly from a customer owned substation or from a SVP-owned substation directly paid for by customer, the Demand Charge will be reduced by \$1.313 per kW. However, Silicon Valley Power is not required to supply service at a particular line voltage where it has (or will install) ample facilities for supplying at another voltage equally or better suited to the customer's electrical requirements. Silicon Valley Power retains the right to change its line voltage at any time, after reasonable advance notice to any customer receiving a discount hereunder and affected by such change, and such customer then has the option to change their system so as to receive service at the new line voltage or to accept service (without voltage discount) through transformers to be supplied by Silicon Valley Power.

(D) **POWER FACTOR ADJUSTMENT:**

For each service address where Billing Demand has exceeded 300 kW for three consecutive months bills will be adjusted for weighted monthly average Power Factor as follows: the sum of Customer Charge, Demand Charge, Energy Charge, Secondary Voltage Adjustment (as applicable) and 60kV Delivery Adjustment (as applicable) for any month as computed on the above rates will be decreased or increased, respectively, by 0.1 % for each 1 % that the average Power Factor is greater or less than 85%. Such average Power Factor to be computed (to the nearest whole percent) from the ratio of lagging kilovolt-ampere-hours to kilowatt- hours consumed in the month, provided, however, that no Power Factor correction will be made for any month when the Maximum Demand of such service address, is less than 10% of the highest demand in the preceding eleven months.

Power Factor Adjustment will be discontinued for any service address that falls below 200 kW for 12 consecutive months.

(E) **SURCHARGES:**

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to the sum of the Meter Charge and Capacity Reservation Charge, times 0.0285.

STATE SURCHARGE:

The State Surcharge is required by California state law, and supports funding for the California Energy

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA

RATE SCHEDULE CB-7 LARGE COMBINED GENERAL SERVICE – MARKET BASED OPTION

Sheet 3 of 6

Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(F) CALCULATION OF ENERGY CHARGES AT EACH SERVICE ADDRESS:

The energy charges calculated under this Schedule CB-7 will be apportioned to each service address as follows:

1. Energy Charges for each service address will be determined as the ratio of the kWh usage at each service address divided by the sum of kWh usage at all applicable service addresses.
2. After such apportionment, each service address will be subject to the applicable Voltage Adjustment, Power Factor Adjustment, Public Benefits Charge and State Surcharge provisions set forth above.
3. Payment for bills rendered at each service address shall be made by wire transfer, automated clearing house (ACH) transfer, check or credit card. Payments made by credit card will be subject to the applicable credit card transaction fees.

(G) TIME OF USE OPTION:

Customers who select the time of use option will need to provide at least one month written notice and continue with this option for at least one year. Customers who select the time of use option will pay a one-time TOU Meter Installation Charge, which reflects the cost difference (including installation) between a non-time of use meter and a time of use meter. This Charge is set forth in the City of Santa Clara Municipal Fee Schedule. The manufacturer and model of such meter shall be at the sole discretion of Silicon Valley Power. Time of use periods are as set forth below:

Peak Period: Monday through Saturday, except holidays (New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day), beginning at 1:00 PM and ending at 10:00 PM.

Off-Peak Period: All other hours. The TOU meter is used to measure kWh and kW in the peak and off-peak period.

(H) MARKET BASED PRICING ADJUSTMENT (MBPA):

Upon at least 30 days' notice, customers may designate up to 100%, but not less than 2,000,000 kWh of their monthly usage to be priced based on market indices as set forth below. The total combined amount of energy that may be available (Total Available) to all Customers under this MBPA shall be determined solely by SVP and it's on a first come first serve basis. SVP shall give 90 days' notice of any change in such total amount, and endeavor to make such changes effective January 1 of each calendar year. If the Total Available is changed to an amount lower than actually being allowed, SVP

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA

RATE SCHEDULE CB-7 LARGE COMBINED GENERAL SERVICE – MARKET BASED OPTION	Sheet 4 of 6
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will reduce existing customers' allowable amounts on a prorated basis, and this schedule will be closed to new customers.

Market Based Pricing Adjustment is calculated as the Market Cost Adjustment Rate times the full kWh subscribed under this rate option. The Market Cost Adjustment Rate is the Current Market Cost of Energy minus the Base Energy Rate. Such difference may be positive or negative.

The Current Market Cost of Energy is determined as set forth in the CB-7 Market Based Option Bill Determinants attached here and as posted. The Current Market Cost of Energy for each calendar month will be sent to Customer served under this option with the monthly bill.

The Base Energy Rate is reflected in the above Energy Charge rates, and is SVP's determination of the annualized unit cost that a creditworthy customer would incur for receiving bundled energy with renewable and GHG characteristics from publicly owned energy service providers like SVP. The Base Energy Rate will be updated annually in conjunction with changes in the Energy Charge rates.

The Market Based Pricing Adjustment, which can be positive or negative, will be applied to the Energy Charge prior to Voltage Adjustment, Power Factor Adjustment and Surcharges.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA

**RATE SCHEDULE CB-7
LARGE COMBINED GENERAL
SERVICE – MARKET BASED OPTION**

Sheet 5 of 6

CB-7 MARKET BASED OPTION BILL DETERMINANTS

The total combined amount of energy that is available (Total Available) to all Customers under MBPA for Calendar Year 2020 is **30,000,000 kWh per month**.

Base Energy Rate for Calendar Year 2020 is \$0.06056 per kWh.

Current Market Cost of Energy includes:

1. PG&E Hourly DLAP Price which is the CAISO DLAP_PGAE - APND for the Day Ahead Market (DAM). If any hourly DLAP Price is less than zero, the effective DLAP price for such hour shall be zero.
2. Transmission loss which is 2% of PG&E Hourly DLAP price calculated above.
3. CAISO High Voltage Transmission Access Charge (“HV TAC”) for month (\$/MWh)

The CAISO HV TAC price is the daily average PG&E effective HV TAC rate for Santa Clara for the applicable month, and is obtained using the following site(s) information:

<http://www.caiso.com/market/Pages/Settlements/Default.aspx>

4. CAISO Low Voltage Transmission Access Charge (“LV TAC”) price is the daily average PG&E effective LV TAC rate for Santa Clara for the applicable month, expressed in \$/MWh), and multiplied by 0.5. The CAISO LV TAC monthly price is the PG&E listed price for Santa Clara, and is obtained using the following site(s) information:

<http://www.caiso.com/market/Pages/Settlements/Default.aspx>

5. Market Price of Renewable Energy Credit =

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

CITY OF SANTA CLARA

RATE SCHEDULE CB-7 LARGE COMBINED GENERAL SERVICE – MARKET BASED OPTION

Sheet 6 of 6

Market price of RECs for Month * 33% (SVP applicable RPS percentage for current compliance year)

The average monthly market price of RECs is obtained using the following site(s) information:

The data for California Bucket 1, 2, and 3 RECs are obtained from Megawatt Daily. The average monthly market price is then calculated based on SVP weighted average for Bucket 1, 2 and 3 RECs. For current compliance year, the Bucket 1 is 75%, Bucket 2 is 15% and Bucket 3 is 10%.

6. CAISO Grid Management Charge (“GMC”) (\$/MWh) = Charge Code 4560 (Market Services Charge) + Charge Code 4561 (System Operations Charge)

The CAISO GMC is obtained using the following site(s) information (and will be updated as it is updated at the CAISO):

<http://www.caiso.com/market/Pages/Settlements/Default.aspx>

If any of the sources for the above described rate components are no longer available, SVP will diligently seek an alternative but equivalent source for that rate component.

If new or additional components affect the Current Market Cost of Energy due to new legislation or other circumstances, bill determinants will be added or adjusted to reflecting any impacting mandates or regulations. Customers will be provided notification of such additions or adjustments no less than 30 days prior to implementation. .

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE CB-8
CUSTOMER LOAD RETENTION**

Sheet 1 of 1

DESCRIPTION OF SERVICE

This rate schedule is available to customers eligible for service under Schedules CB-6 or CB-7 who, but for the provisions of this rate schedule, would cease operations in the City of Santa Clara, and would not engage in any substantially similar operation in the State of California for a period of at least five years. Customer must submit a signed affidavit attesting to this effect. The cumulative maximum billing demand for all SVP customers that may be served under this rate schedule at any one time is 20,000 kW.

RATES:

Customers' bills under Schedule CB-6 or CB-7, prior to Public Benefit Charge and State Surcharge, will be reduced by up to 12% for a period of not more than five years. The effective percentage reduction and the term of such percentage reduction, will be as approved by the Chief Electric Utility Officer.

NOTES:

1. **Marginal Cost to Serve:**

In no event shall service under this rate schedule result in customer being served at less than SVP's marginal cost of providing service to said customer.

2. **Forfeiture of Discounts:**

If a customer fails to comply with the terms of this rate schedule, SVP will seek repayment of the dollar amount of all discounts provided under this rate schedule.

3. **First Come, First Served:**

This rate schedule is available on a first come, first served basis on a monthly basis. However, preference will be given to customers with a long history of doing business in Santa Clara, to customers that help SVP maintain a diversified sales base, and to the number and type of jobs that may be preserved.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE D-1
DOMESTIC SERVICE**

Sheet 1 of 2

DESCRIPTION OF SERVICE

This schedule is applicable to single phase residential service for single-family dwellings, condominium house meters, townhouse house meters, cooperative apartment house meters, flats and apartments separately metered by Silicon Valley Power. The Time Of Use (TOU) Option is available to all customers. Customers who utilize the TOU option will be responsible for the installed cost of a TOU meter, as set forth in Note (B) below.

This schedule is not applicable for services to common areas of apartment houses.

RATES:

Non-Time of Use

Time of Use Option

<u>METER CHARGE</u> , per meter per month	\$3.53	\$3.53
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ENERGY CHARGE (to be added to the Customer Charge)

Non-Time of Use

Time of Use Option

<u>Peak</u>	<u>Off-Peak</u>
\$0.12428	\$0.09472
\$0.14043	\$0.11087

First 300 kWh, per kW	\$0.10803
Excess Over 300 kWh, per kWh	\$0.12418

SURCHARGES

Public Benefits Charge and State Surcharge, as set forth in Note A, will be added to the above charges.

NOTES:

(A) **SURCHARGES:**

PUBLIC BENEFITS CHARGE: The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy and low income assistance programs. The surcharge is equal to the sum of the Meter Charge and the Energy Charge times 0.0285.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE D-1
DOMESTIC SERVICE**

Sheet 2 of 2

(B) TIME OF USE (TOU) OPTION:

Customers who select the time of use option will pay a one-time TOU Meter Installation Charge, which is the cost of a TOU meter, plus its installation cost. This Charge is set forth in the City of Santa Clara Municipal Fee Schedule. The manufacturer and model of such meter shall be at the sole discretion of Silicon Valley Power. Time of use periods are as set forth below:

Peak Period: Monday through Saturday, except holidays (New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day), beginning at 6:00 AM and ending at 10:00 PM.

Off-Peak Period: All other hours.

The TOU meter is used to measure kWhr usage in the peak and off-peak periods. The ratio of peak kWhr to total kWhr will be used to determine the portion of the First 300 kWhr that falls in the peak period. This ratio will also be used to determine the portion of kWhr usage above 300 kWhr that falls in the peak period.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE IC
IRRIGATION CONTROLLER SERVICE**

Sheet 1 of 2

APPLICATION:

This schedule is applicable to non-metered service to irrigation controller or sprinkler controllers located either in public streets, highways, and places, or private areas.

RATES:

SERVICE CHARGE:

For each sprinkler or irrigation controller	\$7.17 per unit per month
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MINIMUM CHARGE: \$7.17 per month

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note A, are included in the above charge.

NOTES:

(A) **SURCHARGES:**

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to 2.85% of the otherwise applicable rate.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to estimated kWh per controller times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(B) **TYPE OF SERVICE:**

Energy will be supplied at 120 volts, single phase, two wire service. Where only other voltages are available, applicant shall pay, in advance, Silicon Valley Power's cost to convert from the available voltage to 120 volts.

(C) **POINT OF DELIVERY:**

Delivery will be made from Silicon Valley Power's existing electric lines at a point mutually agreed upon, without extension thereof to customer's system.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE IC
IRRIGATION CONTROLLER SERVICE**

Sheet 2 of 2

(D) SERVICE CONNECTION:

Silicon Valley Power will provide overhead or underground service in accordance with the current Rules and Regulations for Electric Service. However, applicant shall pay to Silicon Valley Power, in advance, the amount, if any, by which Silicon Valley Power's costs to provide underground service exceeds its cost to provide an overhead service.

(E) MAINTENANCE:

Maintenance will be performed by the customer.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE P-1
GENERAL POWER-CONNECTED
LOAD BASIS**

Sheet 1 of 2

DESCRIPTION OF SERVICE:

This schedule is applicable to alternating current used in motors, heating and cooking devices, and rectifiers for battery charging; but is not applicable to current used for lighting, either directly or through transforming or converting equipment.

RATES:

ENERGY CHARGE

<u>HP of Connected Load</u>	<u>First 50 kWh per HP</u>	<u>Next 50 kWh per HP</u>	<u>Next 150 kWh per HP</u>	<u>all over 250 kWh per HP</u>
2 - 9.9 HP	\$0.25382	\$0.18092	\$0.14571	\$0.13633
10 - 24.9 HP	\$0.23696	\$0.17868	\$0.14077	\$0.13633
25 HP and over	\$0.21368	\$0.17154	\$0.13874	\$0.13388

MINIMUM CHARGE:

\$3.83 per HP per month for the first 50 HP plus \$2.54 per HP per month for any excess, provided, however, that in no case will the minimum charge be less than \$7.57 per month for single phase service and \$11.37 per month for three phase service.

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth in Note A, will be added to the above charges.

NOTES:

(A) **SURCHARGES:**

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to the Energy Charge times 0.0285.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE P-1
GENERAL POWER-CONNECTED
LOAD BASIS**

Sheet 2 of 2

(B) VOLTAGE:

Single-phase or three-phase service on this schedule will be supplied at the voltage available, subject to Silicon Valley Power's rules and regulations for electric service.

(C) CONNECTED LOAD:

For purposes of this schedule, this is the sum of the rated capacities of all of the customer's equipment that may be connected to the Silicon Valley Power's lines at the same time, computed to the nearest one-tenth of a horsepower. Motors will be counted at their name plate ratings in horsepower and other devices at their name plate ratings converted to horsepower at 1kVA per HP. Where such equipment includes a transformer used to supply other devices, the rating of such transformer will be used in lieu of the devices supplied by it. Where the original nameplate of any motor device has been removed or altered, the manufacturer's catalog rating will be used, or the capacity may be determined by test.

(D) GUARANTEED LOAD:

Any customer may obtain rates and conditions of service for connected load larger than his actual connected load by guaranteeing the charges (including the minimum charge) applicable to such larger connected load. Such a guaranteed load may not be changed more than once per year.

**Date Effective: January 2020
Bill Cycle 692, Series 100**

Resolution No._____

**Supersedes Rate Effective: April 2019
Bill Cycle 683, Series 100**

Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-1
STREET AND HIGHWAY LIGHTING**

Sheet 1 of 4

APPLICATION:

This schedule is applicable for service to street and highway lighting systems which illuminate publicly-dedicated streets and highways by means of incandescent filament, mercury vapor, or high pressure sodium vapor lamps. This schedule is applicable only to those instances where the customer owns the lighting fixtures, street light supporting structure and interconnecting circuits.

CLASSES OF SERVICES OFFERED:

- Class A. Silicon Valley Power provides energy and switching* only.
- Class B. Silicon Valley Power provides energy, switching* and maintenance service for lamps and glass.
- Class C. Silicon Valley Power provides energy, switching* and maintenance service for complete lighting system.

BURNING SCHEDULE: All night (unless otherwise specified).

RATES (Per Lamp)

<u>Incandescent Lamps</u>	<u>kWh/lamp</u>	<u>Class A</u>	<u>Class B</u>	<u>Class C</u>	<u>Half-hour Adjustment (All Classes)</u>
4,000 lumens	94	\$20.34	\$22.22	\$23.33	\$0.488
6,000 lumens	130	28.72	30.52	31.86	0.675

Mercury Vapor Lamps

<u>Watts</u>	<u>Initial lumens</u>				
175	7,500	61	\$15.44	\$ 16.40	\$17.91 \$ 0.347
250	11,000	88	21.32	22.52	24.10 0.471
400	21,500	140	32.47	33.56	35.08 0.723
700	37,000	245	53.94	56.19	57.78 1.262
1,000	57,000	350	76.31	78.29	79.80 1.763

* Switching Service is closed to new installations.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-1
STREET AND HIGHWAY LIGHTING**

Sheet 2 of 4

High Pressure Sodium Vapor Lamps

Watts	lumens	Initial kWh/lamp	Class A	Class B	Class C	Half-hour Adjustment (All Classes)
100	8,500	35	\$8.12	\$ 10.08	\$11.57	\$ 0.220
150	16,000	53	15.16	17.47	18.63	0.337
250	30,000	88	23.54	28.56	30.06	0.519
400	50,000	140	34.01	37.44	39.00	0.775

SURCHARGES:

The above rates include an adjustment for a Public Benefits Charge and State Surcharge as defined in Note A.

NOTES:

(A) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to 2.85% of the otherwise applicable rate.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to kWh billed times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(C) TYPE OF SERVICE:

This rate schedule is applicable to multiple street lighting systems. Multiple current will be supplied at nominal voltage level of 120/240 volts or 120/208 volts at the discretion of Silicon Valley Power, three-wire, single phase.

(D) ANNUAL OPERATING SCHEDULES:

The above rates for All-Night service assume 11 hours operation per night and apply to lamps which will be turned on and off once each night in accordance with a regular operating schedule agreeable to the customer but not exceeding 4,100 hours per year.

Date Effective: January 2020
Bill Cycle 692, Series 100

Resolution No. _____

Supersedes Rate Effective: April 2019
Bill Cycle 683, Series 100

Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-1
STREET AND HIGHWAY LIGHTING**

Sheet 3 of 4

(E) OPERATING SCHEDULES OTHER THAN ALL-NIGHT:

Rates for regular operating schedules other than full all-night will be the All-Night rate plus or minus, respectively, the half-hour adjustment for each half-hour more or less than an average of 11 hours per night. This adjustment will apply only to lamps on regular operating schedules of not less than 1,095 hours per year, or 3 hours per night, nor more than 4,500 hours per year.

(F) OVERHEAD DELIVERY POINT:

Delivery will be made from Silicon Valley Power's existing overhead lines without extension to the customer's system or at a point mutually agreed upon, not to exceed 150 feet except in special situations at Silicon Valley Power's convenience. Silicon Valley Power will provide at its expense an overhead service drop to a customer-owned inter-connected group of lamps having a connected load of not less than 2 kW. For a customer-owned inter-connected group of lamps having a connected load of less than 2 kW or individual customer electroliers with a self-contained photo cell switch, Silicon Valley Power will connect the customer's overhead service wire to Silicon Valley Power's overhead lines at the customer's expense.

(G) UNDERGROUND SERVICE:

Silicon Valley Power will provide underground service connection to a mutually agreed upon point from its overhead or underground system to one electrolier of each group of interconnected electroliers provided that the lighting system has been arranged for the least number of practical service points, there is at least 3 kW of connected load, and there are at least ten electroliers in the group. This service connection shall not exceed 25 feet from the base of the Silicon Valley Power pole in an overhead line or 40 feet of an underground line. In the event distances exceed 25 feet from a pole in an overhead system or 40 feet in an underground system, customer shall pay to Silicon Valley Power the actual expense of extending the underground feeder circuitry to the point of connection to Silicon Valley Power's overhead or underground system. In the event the customer requests service to a system of less than 10 electroliers, or less than 3 kW of connected load, customer shall install and own the extension from his system to Silicon Valley Power's distribution system and shall pay Silicon Valley Power the actual costs of connection to the system.

(H) MAINTENANCE:

Class B and C rates include all labor and material necessary for the cleaning or replacement of lamps and glassware, but is limited to glassware such as is commonly used and manufactured in reasonably large quantities. Charges will be made for lamps or glassware requiring replacement more than two (2) times in one year. Under Class C rates Silicon Valley Power will also isolate any trouble in customer's system which has resulted in outages or diminished light output. Silicon Valley Power will make necessary repairs without replacement on accessible wiring between poles and on equipment and wiring in and on poles to keep the system in

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-1
STREET AND HIGHWAY LIGHTING**

Sheet 4 of 4

operating condition. Silicon Valley Power will provide labor for the replacement of material such as ballast's, photo-electric controls, relays, fixtures, individual poles, individual cable runs between poles where such runs are in conduit, and other individual parts of the system. The customer shall compensate Silicon Valley Power for any materials furnished. The Class C rate does not provide for any major excavation or any major replacement at Silicon Valley Power's expense of circuits, conduits, poles or fixtures owned by the customer.

This schedule does not provide for maintenance to low pressure sodium vapor or metal halide lamps; however, at the request of the customer, Silicon Valley Power will perform any of the routine maintenance described above on a time and material cost basis provided Silicon Valley Power's regular standard maintenance equipment and procedures can be used.

(I) LAMPS OTHER THAN STANDARDS:

Lamps other than the standard types and wattages referred to above may be used in Class A service only and will be billed at an average rate per watt per month of \$ 0.097. LED street lighting falls in this category.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-2
PRIVATE OUTDOOR AREA
LIGHTING SERVICE**

Sheet 1 of 3

APPLICATION

This schedule is applicable to private all night outdoor area lighting service which illuminates privately-owned lands and property supplied from an overhead source. This schedule is applicable only to those instances where Silicon Valley Power installs, owns and maintains all facilities required to service in accordance with the Municipal Code of the City of Santa Clara and the Rules and Regulations for Electric Service. Service to lamps hereunder shall be continuous and temporary disconnection shall not be made.

BURNING SCHEDULE:

Each lamp shall be turned on and off once each night from dusk to dawn in accordance with a regular burning schedule, not to exceed forty-one hundred (4,100) hours per year.

RATES:

	<u>Rate per Lamp Per Month</u>
250 Watt mercury-vapor floodlight or	
150 Watt high pressure sodium vapor floodlight	\$32.80

This rate schedule is applicable to alternating current service at a frequency of approximately 60 cycles, 120 or 240 volts, single phase. The 250 Watt mercury-vapor floodlamp type luminaire shall be mounted from a bracket attached or supported to Silicon Valley Power-owned wood poles and actuated by a photo-electric cell.

SURCHARGES:

Public Benefits Charge and State Surcharge, as defined below in Note A, is included in the above charge.

Public Benefits Charge	\$0.93 per Lamp
State Surcharge	\$0.02
Total	\$0.95

NOTES:

(A) **SURCHARGES:**

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a state required non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The surcharge is equal to 2.85% of the otherwise applicable rate.

STATE SURCHARGE:

The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to estimated kWh per lamp times the State Surcharge Rate. The

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-2
PRIVATE OUTDOOR AREA
LIGHTING SERVICE**

Sheet 2 of 3

current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(B) BILLING:

Presentation of billing shall coincide with that of the customer's primary premise account, where such account exists at the same location and no bill will be rendered for the first partial month of service. If the customer does not have a primary premise account, a monthly bill shall be prepared and presented in accordance with the rate and terms of this schedule.

No credit will be given for non-burning lamp time resulting from a fixture failure of any cause which is repaired by Silicon Valley Power in a reasonable period of time. No billing shall be apportioned among two or more customers or tenants. At the customer's option, charges may be paid in advance.

(C) CONTRACTS:

When service is requested by a tenant under this schedule, Silicon Valley Power may require the property owner(s) to enter into a contract with Silicon Valley Power concerning placement of special lighting facilities before service is established.

(D) NOTIFICATION AND REMOVAL:

The latest effective Schedule SL-2 is applicable until canceled on thirty (30) days prior written notice by the customer, or by Silicon Valley Power, at which time the light will be removed.

(E) INSTALLATION - MATERIALS AND MAINTENANCE:

Silicon Valley Power will not install floodlight luminaries for private use at the rate established in this schedule on anything but Silicon Valley Power's wood poles, supporting lines and guys existing on easement for Silicon Valley Power facilities.

Silicon Valley Power will not install any material for private use other than the floodlight, mastarm or bracket, and necessary wire, moulding and other materials necessary to connect energy to the floodlight from the secondary line. Said installation shall not exceed an extension of ten (10) feet, including the mastarm or bracket from the pole measured at right angles to the secondary line.

Upon receipt of notice from a customer of the failure of a lamp to operate as scheduled, Silicon Valley Power will, within a reasonable period of time, make the necessary repairs during normal working hours. It shall be the responsibility of the customer to notify Silicon Valley Power of any malfunctions.

(F) EXTENDING SECONDARY:

Silicon Valley Power shall extend its secondary lines one span to supply energy not to exceed 150 feet to the mercury-vapor floodlight at the basic rate in this schedule at no extra cost to the customer.

Additional extensions of secondary facilities shall be limited to three spans, but not to exceed six hundred

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No._____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE SL-2
PRIVATE OUTDOOR AREA
LIGHTING SERVICE**

Sheet 3 of 3

(600) feet total. The cost of the material, labor and equipment for such extension shall be computed and added to the billing for the first month.

(G) RELOCATION:

Silicon Valley Power shall, upon customer's written request, relocate its lighting facilities, provided that the customer reimburses Silicon Valley Power for all costs incurred by Silicon Valley Power to complete such relocation.

**Date Effective: January 2020
Bill Cycle 692, Series 100**

Resolution No. _____

**Supersedes Rate Effective: April 2019
Bill Cycle 683, Series 100**

Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE TC
TRAFFIC CONTROL SERVICE**

Sheet 1 of 2

APPLICATION:

This schedule is applicable to non-metered service for traffic directional sign or signal lighting systems owned by governmental agencies and located on outdoor publicly owned street, highways and places.

RATES:

SERVICE CHARGE:

For each Standard Service Connection:	\$21.52 per 2 or 3-signal head per month
	\$21.52 per pedestrian signal unit per month
Minimum Charge:	\$21.52 per month
For each Red LED Service Connection:	\$15.72 per 2 or 3-signal head per month
	\$15.72 per pedestrian signal unit per month
Minimum Charge:	\$15.72 per month
For each Red and Green LED Service Connection:	\$11.41 per 2 or 3-signal head per month
	\$11.41 per pedestrian signal unit per month
Minimum Charge:	\$11.41 per month

SURCHARGES:

Public Benefits Charge and State Surcharge, as defined below in Note A, are included in the above charges.

	<u>Standard</u>	<u>Red LED</u>	<u>Red + Green LED</u>
Public Benefits Charge	\$0.59	\$0.38	\$0.33
State Surcharge	\$0.01	\$0.01	\$0.00
Total	\$0.60	\$0.39	\$0.33

NOTES:

(A) **SURCHARGES:**

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, and low income assistance programs. The surcharge is equal to 2.85% of the otherwise applicable rate.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The amount included is equal to estimated kWh per signal head times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE TC
TRAFFIC CONTROL SERVICE**

Sheet 2 of 2

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(B) TYPE OF SERVICE:

Energy will be supplied at 120/240 volt single phase service (120/208 volts star in certain localities) unless the customer pays the additional initial cost of a 277/480 volt supply. However, service at 277/480 volts from underground systems will be made available only for new services at the option of Silicon Valley Power when this type of service is practical from Silicon Valley Power's engineering standpoint.

(C) POINT OF DELIVERY:

Delivery will be made from Silicon Valley Power's existing electric lines at a point mutually agreed upon, without extension thereof to customer's system.

(D) SERVICE CONNECTION:

Silicon Valley Power will provide, at its expense, an overhead service drop to the customer-owned system; however, where the customer requests and underground service the customer will install and own the extension from his system to the Silicon Valley Power's nearest junction box or to the base of the pole where service is readily available and will pay the amount, if any, by which the cost of connecting to the Silicon Valley Power's distribution system exceeds the cost of an overhead service drop.

(E) METERING:

Each point of delivery will be billed separately.

(F) SWITCHING AND MAINTENANCE:

Switching and maintenance will be performed by the customer.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675

**CITY OF SANTA CLARA
SILICON VALLEY POWER**

**RATE SCHEDULE TS-1
NON-METERED TRANSIT SHELTER
ADVERTISEMENT LIGHTING**

Sheet 1 of 1

DESCRIPTION OF SERVICE:

This rate schedule is applicable to non-metered service provided for transit shelter advertisement lighting on public streets, highways, other public places, and private areas. Under this schedule, each transit shelter with a lighted advertisement feature shall contain no more than a single six-foot, four-lamp high-output fluorescent lighting fixture, or equivalent fixture with a wattage rating of not more than 385 watts, and shall be photosensor controlled so as to provide illumination from dusk to dawn.

RATES:

For each Transit Shelter	\$33.84 per fixture per month
Advertisement Lighting Fixture	

SURCHARGES:

Public Benefits Charge and State Surcharge, as set forth below in Note A, is included in the above charge.

Public Benefits Charge	\$0.95
State Surcharge	\$0.02
Total	\$0.97

NOTES:

(A) SURCHARGES:

PUBLIC BENEFITS CHARGE:

The Public Benefits Charge is a non-bypassable surcharge imposed on all sales of electricity and electrical services. It is used to fund public goods research, development, and demonstration, as well as, energy efficiency activities, renewable energy, and low income assistance programs. The amount included is equal to 2.85% of the otherwise applicable rate.

STATE SURCHARGE: The state surcharge is required by California state law, and supports funding for the California Energy Commission. The surcharge is equal to estimated kWh per shelter times the State Surcharge Rate. The current State Surcharge Rate can be found on SVP's website at:

<http://www.siliconvalleypower.com/svp-and-community/rules-and-regulations>

(B) POINT OF DELIVERY:

Delivery will be made from Silicon Valley Power's existing electric lines at a point mutually agreed upon, without extension thereof to customer's system.

(C) MAINTENANCE:

Maintenance will be performed by the customer.

Date Effective: January 2020 Bill Cycle 692, Series 100	Resolution No. _____
Supersedes Rate Effective: April 2019 Bill Cycle 683, Series 100	Resolution No. 19-8675