



General Manager's Report and Recommendation on

New and Revised Rate Schedules

May 2, 2013
Volume 2



General Manager's Report and Recommendation on

Rates and Services

Volume 2

Rates Schedules 2014 - 2017

May 2, 2013

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General Manager's Report and Recommendation on Rates and Services, Volume 2

May 2, 2013

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Appendix A. 2014 Rate Schedules

Appendix A - Table of Contents

The following listed sheets contain all effective rates, rules and regulations affecting rates and service, and information relating thereto, in effect on and after the date indicated. All rates are applicable to the territory served by SMUD.

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Preliminary Statement

Territory Served by SMUD

SMUD supplies electric service in most of Sacramento County and in a portion of Placer County.

Description of Service

A description of service available is contained in SMUD's Rule and Regulation 2.

The service available at any particular location should be ascertained by inquiry at SMUD's Customer Services Department office at 6301 S Street, Sacramento.

Procedure to Obtain Service

Any person or corporation whose premises are within the outer boundaries of SMUD may obtain service by applying for service at the Customer Services Department office establishing credit as hereinafter set forth and complying with SMUD's rules and regulations. Where an extension of SMUD's lines is necessary or whenever unusual service requirements are determined, applicant will be informed as to the conditions under which service will be supplied.

Establishment of Credit and Deposits

After making proper application for electric service, it will be necessary for applicant to establish his credit in accordance with Rule and Regulation 6.

General

1. MEASUREMENT OF ELECTRIC ENERGY

All electric energy supplied by SMUD to its customers shall be measured by means of suitable standard electric meters, except as otherwise specifically provided in SMUD's Rules and Regulations.

2. DISCOUNTS

All rates hereinafter listed are net rates and are not subject to discount unless specifically stated in the Rates.

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Residential Service Rate Schedule R

I. Applicability

This Rate Schedule 1-R applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes; and
3. Master-metered service to a qualifying multifamily accommodation or mobile home park that is submetered to all single-family units or individual mobile homes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Heating Type Availability	Electric Heat CLOSED* (to new customers)	Electric Heat OPEN	Nonelectric Heat OPEN
Rate Category	RSCH, RWCH	RSEH, RWEH	RSGH, RWGH
Winter Season – December 1 through March 31			
System Infrastructure Fixed Charge per month	\$14.00	\$14.00	\$14.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.0828	\$0.0955	\$0.0955
Base-Plus Usage per month \$/kWh	\$0.1542	\$0.1771	\$0.1771
Spring Season – April 1 through May 31 and Fall Season – October 1 through November 30			
System Infrastructure Fixed Charge per month	\$14.00	\$14.00	\$14.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.0867	\$0.0955	\$0.0955
Base-Plus Usage per month \$/kWh	\$0.1542	\$0.1771	\$0.1771
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$14.00	\$14.00	\$14.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.1033	\$0.1033	\$0.1033
Base-Plus Usage per month \$/kWh	\$0.1836	\$0.1836	\$0.1836

* The *CLOSED* Electric Heat Rate was closed to new installations of electric heating equipment, effective May 1, 1996. Upon application for service, any new occupant to a premise currently on the *CLOSED* Rate Categories RSCH, RWCH, or RTCH will be placed on the applicable Open Electric Heat Rate RSEH, RWEH, or RTEH. Customers installing new electric heating that replaces the original qualifying system will be placed on the applicable Open Electric Heat Rate RSEH, RWEH, or RTEH.

III. Base Usage and Base-Plus Usage Quantities

Winter Season – December 1 through March 31 (Kilowatt-hours per month)			
Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	1,280	1,280	690
Base-Plus Usage kWh per month	> 1,280	> 1,280	> 690

Residential Service Rate Schedule R

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage maximum kWh per month	1,580	1,580	990
Base-Plus Usage kWh per month	> 1,580	> 1,580	> 990

Spring Season – April 1 through May 31 and

Fall Season – October 1 through November 30

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	920	920	690
Base-Plus Usage kWh per month	> 920	> 920	> 690

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage maximum kWh per month	1,220	1,220	990
Base-Plus Usage kWh per month	> 1,220	> 1,220	> 990

Summer Season – June 1 through September 30

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	765	765	765
Base-Plus Usage kWh per month	> 765	> 765	> 765

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage per month \$/kWh	1,065	1,065	1,065
Base-Plus Usage per month \$/kWh	> 1,065	> 1,065	> 1,065

IV. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

V. Rate Option Menu

- A. **Energy Assistance Program (Rate Categories with suffix “_E”).** Refer to Rate Schedule 1–EAPR.
- B. **Medical Equipment Discount Program (Rate Categories with suffix “_L”).** Refer to Rate Schedule 1–MED.
- C. **Joint Participation in Medical Equipment Discount and Energy Assistance Programs (Rate Categories with suffix “_EL”).** Refer to Rate Schedule 1–MED.
- D. **Time-of-Use Rate Option.** Refer to Rate Schedule 1- R-TOU.
- E. **Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating of less than 100 kW; and
4. The generator(s) are connected to SMUD’s electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Residential Service Rate Schedule R

Generator Standby Charge January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Charge, SMUD will continue to bill for all applicable charges under this rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power.

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

3. Fixed Greenergy Fee Options

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

H. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, www.smud.org.

I. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV). The RTEV rate is closed to new customers. Refer to SMUD's website, www.smud.org, for electric vehicle pilot rates.

J. Residential Three-Phase Service Option

This option is open to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month.....\$39.90

VI. Conditions of Service

A. Electric Heat Eligibility (Rate Categories RSCH, RSEH, RWCH, RWEH)

Residential Service Rate Schedule R

Residential customers with electric heating may qualify for an additional 500 kWh in Base Usage allowance during the winter season and an added 180 kWh in Base Usage allowance during the spring and fall seasons. To be eligible, the customer's electric heating system must be the sole source of domestic heating installed at the metered premise, except in the case of renewable heating sources, noted in criterion 4 listed below. In addition, the electric heating system must meet one of the following eligibility criteria that are further defined in Rule and Regulation 1:

1. An electric resistance heating system that was installed prior to September 1, 1980; or
2. An electric heating system that qualified under the Closed Electric Heat Rate before May 1, 1996;
3. A heat pump, including units with electric resistance backup;
4. An electric resistance heating system used to supplement a geothermal, solar, or other renewable fuel heating system.

Nonrenewable fuel sources for heating systems that do not qualify for the added residential electric heat Base Usage allowances include, but are not limited to:

- Fossil fuels such as natural gas, propane, gasoline, and oil; and
- Wood and pelletized fuels.

B. Domestic Well Eligibility (Rate Categories RWCH, RWEH, RWGH)

Residential customers who own and operate, on their premise, a well that is their sole source of domestic water, are eligible for an additional 300 kWh of monthly Base Usage quantity on the residential meter serving the well.

C. Master-Metered Multifamily Accommodation and Mobile Home Park Billing (Rate Category RSMM)

This rate is closed to new customers unless SMUD determines that it is not reasonable or feasible to provide service and meter the individual units directly.

The master-metered customer's electricity consumption will be billed under the Base Usage and Base-Plus Usage quantities using the ratio of the number of occupied single-family accommodations with electric or nonelectric heat to the total number of occupied single-family accommodations. The billing calculation will include applicable discounts to the Base Usage Charge and System Infrastructure Fixed Charge for qualifying energy assistance and medical equipment discount program participants. The customer must advise SMUD within 15 days following any change in the number of occupied single-family accommodations wired for electric service and/or any change in the number of qualifying medical equipment discount and/or energy assistance program participants, and/or new occupants of the existing premises with rate categories RSCH or RWCH.

VII. Billing

The Base Usage and Base-Plus Usage allowances will be prorated for nonstandard billing periods and when the billing period spans more than one season. The following table shows the basis for the proration in these circumstances. The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days. (Billing period days divided by 30).
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

(End)

Residential Time-of-Use Service Rate Schedule R-TOU

I. Applicability

This Rate Schedule 1-R-TOU applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

A. Option 1 Time-of-Use Rate (Rate Categories RTCH, RTEH, RTGH)

1. Option 1 has two periods in the winter season (October through May) and two periods in the summer season (June through September). The times of day when SMUD experiences more demand for electricity is called the on-peak; all other times are referred to as off-peak. The on-peak period applies only Monday through Friday and never on SMUD-observed holidays.
2. SMUD offers a trial time-of-use (TOU) option for residential customers who want to see if they benefit from this type of rate. Residential customers shall be entitled to a 12-month trial period for Option 1 Time-of-Use. The trial applies to the house load only and does not include any electric vehicle charging. At the end of the trial period the total electricity usage charges for the trial period will be compared to what the total electricity usage charges would have been on the applicable non-TOU rate for the same period. If the customer would have paid less during the trial period had they been on the applicable non-TOU rate, the customer will receive a credit for the difference after which either the Standard Rate or the Option 1 Time-of-Use Rate must be selected.
3. If customers formerly on a closed rate elect to remain on the Option 1 Time-of-Use Rate beyond the trial period, the customers forfeit their eligibility to return to the closed rate. Customers formerly on a closed electric rate will be placed on the otherwise applicable rates RSEH or RWEH.
4. If the Option 1 Time-of-Use Rate is selected at the end of the trial period, customers subsequently requesting a transfer from the Option 1 Time-of-Use Rate to the Standard Rate may not return to the Option 1 Time-of-Use Rate for a 12-month period. Customers returning to the Option 1 Time-of-Use Rate at the same premise are not entitled to an additional trial period.

B. Option 2 Time-of-Use (Rate Categories RTE5, RTC5, RTG5)

1. Option 2 has two periods in the winter season and three periods in the summer season. The time of day when SMUD experiences the most demand for electricity in the summer (June through September) is called super-peak; on each side of this time period is called on-peak; all other times are referred to as off-peak. The super-peak and on-peak periods apply only Monday through Friday and never on SMUD-observed holidays.
2. Option 2 is not a trial rate. Any electric heat customer transferring to this optional rate shall forfeit any eligibility for a rate that has been closed to new customers. Customers subsequently requesting a transfer from the Option 2 Time-of-Use Rate to the Standard Rate may not return to the Option 2 Time-of-Use Rate for a 12-month period.

C. Residential Thermal Energy Storage Option (Rate Category RTT); CLOSED to new customers

1. A residential customer whose premise is equipped with a Residential Thermal Energy Storage (RTES) system or who may have qualified by meeting the load criteria established for RTES including the lockout of space-conditioning compressors during the on-peak period, and who is billed on the Option 1 Time-of-Use Rate shall be entitled to a credit on the winter off-peak and summer off-peak and summer on-peak prices.
2. Rate Category RTT was closed to new occupants of premises equipped with RTES systems and to new installations of RTES systems, or other qualifying equipment, effective June 1, 1997. At the time of application for service, a new occupant of a premise currently on the CLOSED Rate Category RTT will be placed on the Option 1 Time-of-Use Rate (Rate Category RTE) and will be informed of other rate options available to them.

D. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV – Closed to New Participants)

Residential Time-of-Use Service Rate Schedule R-TOU

This option is for residential customers who own or lease licensed passenger battery electric, plug-in, or plug-in hybrid electric vehicles. This option is closed to new participants. Pilot rates for plug-in electric vehicle charging are available at SMUD's website, www.smud.org.

1. This option requires installation of a Time-of-Use meter on the charging location and will be billed under the Option 1 Time-of-Use Rate with a credit on the off-peak electricity usage charges.

Winter off-peak credit	-\$0.0243
Summer off-peak credit.....	-\$0.0271

2. The System Infrastructure Fixed Charge will be waived.
3. The Time-of-Use meter will be a submeter to the premise's main meter unless the customer, at his or her own expense, elects to have installed a separate panel and meter.
4. Due to the incompatibility of TOU periods, customers whose house load is billed on Option 2 TOU can only take vehicle charging service under the RTEV Rate by moving to another applicable residential rate or by installing a new panel and meter so that the PEV load is metered independently of the house load.
5. This rate does not have a trial period even though it is charged as Option 1 Time-of-Use.

II. Firm Service Rates

Rate Categories	Option 1 RTCH, RTEH, RTGH	RTES Credit RTT	Option 2 RTC5, RTE5, RTG5
Winter Season – October 1 through May 31			
System Infrastructure Fixed Charge per month	\$14.00	N/A	\$14.00
Electricity Use Charge			
On-Peak \$/kWh	\$0.1099	N/A	\$0.1095
Off-Peak \$/kWh	\$0.1016	-\$0.0182	\$0.1005
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$14.00	N/A	\$14.00
Electricity Use Charge			
Super-Peak \$/kWh	N/A	N/A	\$0.2422
On-Peak \$/kWh	\$0.2420	-\$0.0439	\$0.1612
Off-Peak \$/kWh	\$0.1130	-\$0.0203	\$0.0995

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

Residential Time-of-Use Service Rate Schedule R-TOU

IV. Rate Option Menu

- A. Energy Assistance Program.** The Energy Assistance Program discount is not available on the Residential Time-of-Use rates.
- B. Medical Equipment Discount Program.** The Medical Equipment discount is not available on the Residential Time-of-Use rates.
- C. Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates or leases one or more generators, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating less than 100 kW; and
4. The generator(s) are connected to SMUD's electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/ or to supply electricity during generator(s) maintenance service.

Generator Standby Service – January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected Residential TOU rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power. All energy provided to the customer by SMUD will be billed at the applicable Residential Time-of-Use Rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1–NEM.

- A. Net Energy Metering Option.** Refer to Rate Schedule 1-NEM for further details.

- B. Green Pricing Options**

- 1. SMUD Community Solar Option**

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

- 2. SMUD Renewable Energy Option**

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

- 3. Fixed Greenergy Fee Options**

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

- C. Special Metering Charge**

Residential Time-of-Use Service Rate Schedule R-TOU

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

D. Residential Three-Phase Service Option

This option applies to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month\$39.90

V. Conditions of Service

Option 1 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 7:00 a.m. and 10:00 a.m., and 5:00 p.m. and 8:00 p.m.
Summer Season On-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Option 2 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 12:00 noon and 10:00 p.m.
Summer Season On-Peak	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year’s Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln’s Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Proration of Charges

Residential Time-of-Use Service Rate Schedule R-TOU

The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

(End)

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General Service Rate Schedule GS

I. Applicability

This Rate Schedule 1-GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. General Service customers include commercial and nonagricultural irrigation pumping accounts. This schedule also applies to General Service accounts with contract capacity of 299 kW or less. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

A. Small Nondemand Service (GSN_T)

This rate applies to General Service accounts with a monthly maximum demand of 20 kW or less. Whenever the monthly maximum demand exceeds 20 kW for three consecutive months and the monthly energy usage is at least 7,300 kWh for three consecutive months within a 12-month period, the account will be billed on the applicable demand rate. To return to the nondemand rate, the monthly maximum demand must be 20 kW or less for 12-consecutive months.

B. Small Nondemand, Nonmetered Service (GFN)

This rate applies to General Service accounts where an account's monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operation, SMUD, at its discretion, and with the customer's consent, will calculate electricity consumed in lieu of providing metering equipment. The calculated electricity consumption will be billed at the average of the GSN_T rate's annual electricity usage charges.

C. Small Demand Service (GSS_T)

This rate applies to General Service accounts with a monthly maximum demand of at least 21 kW but does not exceed 299 kW and monthly energy usage of at least 7,300 kWh within a 12-month period. The customer will be billed on this demand rate unless the monthly maximum demand falls below 21 kW for 12 consecutive months or the monthly maximum kW exceeds 299 kW for three consecutive months.

II. Firm Service Rates

Rate Category	Nondemand GSN_T	Flat GFN	Demand GSS_T
Winter Season - October 1 through May 31			
System Infrastructure Fixed Charge - per month per meter	\$14.00	\$8.25	\$22.55
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$6.97
Electricity Usage Charge			
All day \$/kWh	\$0.1252	\$0.1265	\$0.0939
Summer Season - June 1 through September 30			
System Infrastructure Fixed Charge - per month per meter	\$14.00	\$8.25	\$22.55
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$6.97
Electricity Usage Charge			
On-peak \$/kWh	\$0.2850	\$0.1265	\$0.2394
Off-peak \$/kWh	\$0.1063	\$0.1265	\$0.0830

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.

B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

General Service Rate Schedule GS

IV. Rate Option Menu

A. Energy Assistance Program for Nonprofit Agencies. Refer to Rate Schedule 1-EAPR.

B. Campus Rates. Refer to Rate Schedule 1-CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

E. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

F. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

G. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through

General Service Rate Schedule GS

provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. *Secondary Service Voltage*

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. *Primary Service Voltage*

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. *Subtransmission Service Voltage*

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. **Adjustment (charge per month varies)**

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \quad \times \quad [(95\% \div \text{Power Factor}) - 1] \quad \times \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate per excess KVAR\$0.0100

2. **Waiver Contract (charge per month is set for the term of the waiver)**

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract.

The waiver amount per month is calculated:

$$\text{Excess KVAR} \times \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Winter (October 1 – May 31) All hours are off-peak.

General Service Rate Schedule GS

E. Summer Time-of-Use Billing Periods (June 1 – September 30)

On-Peak	Summer weekdays between 3:00 p.m. and 6:00 p.m.
Off-Peak	All other hours, including holidays shown below

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

I. Applicability

This Rate Schedule 1-GS-LEG applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer's premise; with monthly maximum demand that does not exceed 299 kW for three or more consecutive months and whose meter is not capable of metering time of use. Upon installation of a meter that is capable of metering time-of-use periods, the customer will immediately be placed on the Rate Schedule GS. General Service customers include commercial and nonagricultural irrigation pumping accounts. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

This rate schedule was closed to new premises effective January 1, 2012.

A. Small Nondemand Service (GSN)

This rate applies to General Service accounts with a monthly maximum demand of 20 kW or less. Whenever monthly usage is at least 7,300 kWh for three consecutive months a demand meter will be installed. If monthly maximum demand exceeds 20 kW for three consecutive months and energy usage is at least 7,300 kWh for three consecutive months within a 12-month period, the account will be billed on the applicable demand rate. To return to the nondemand rate, the monthly maximum demand must be 20 kW or less for 12-consecutive months.

B. Small Demand Service (GSS)

This rate applies to General Service accounts with a monthly maximum demand of at least 21 kW but does not exceed 299 kW and monthly energy usage of at least 7,300 kWh within a 12-month period. The customer will be billed on this demand rate unless the monthly maximum demand falls below 21 kW for 12 consecutive months or the monthly maximum kW exceeds 299 kW for three consecutive months.

II. Firm Service Rates

Rate Category	Nondemand GSN	Demand GSS
Winter Season - November 1 through April 30		
System Infrastructure Fixed Charge - per month per meter	\$8.45	\$21.00
Site Infrastructure Charge (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$6.97
Electricity Usage Charge		
First 7,300 kWh per month	\$0.1261	\$0.1177
Additional kWh per month	\$0.1261	\$0.0938
Summer Season - May 1 through October 31		
System Infrastructure Fixed Charge - per month per meter	\$8.45	\$21.00
Site Infrastructure Charge (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$6.97
Electricity Usage Charge		
First 7,300 kWh per month	\$0.1303	\$0.1299
Additional kWh per month	\$0.1303	\$0.1000

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

A. Solar Surcharge. Refer to Rate Schedule 1-SB1.

B. Hydro Generation Adjustment (HGA). Refer to Rate Schedule 1-HGA.

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. **13-xx-xx** adopted August __, 2013

Sheet No. **1-GS-LEG1**

Effective: **January 1, 2014**

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General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

IV. Rate Option Menu

A. Energy Assistance Program for Nonprofit Agencies. Refer to Rate Schedule 1-EAPR.

B. Campus Rates. Refer to Rate Schedule 1-CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

E. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

F. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

G. Special Metering Charge

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. *Secondary Service Voltage*
This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”
2. *Primary Service Voltage*
This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.
3. *Subtransmission Service Voltage*
This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. **Adjustment (charge per month varies)**

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \quad \times \quad [(95\% \div \text{Power Factor}) - 1] \quad \times \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate per excess KVAR\$0.0100

2. **Waiver Contract (charge per month is set for the term of the waiver)**

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract.

The waiver amount per month is calculated:

$$\text{Excess KVAR} \times \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868% percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Summer Time-of-Use Billing Periods (June 1 – September 30)

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

On-Peak	Summer weekdays between 3:00 p.m. and 6:00 p.m.
Off-Peak	All other hours, including holidays shown below

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

Agricultural Service Rate Schedule AG

I. Applicability

This Rate Schedule 1-AG applies to single- or three-phase nonresidential agricultural service, delivered at standard voltages designated by SMUD as available at the customer premise. The electricity must be for pumping loads where a preponderance of the load is devoted to agricultural purposes such as farm lighting, feed choppers, milking machines, heating for incubators, brooders, and other farm uses; drainage pumping loads where a preponderance of the area drained is agricultural; and irrigation pumping loads for nonagricultural purposes where the entire loads, except for minor incidental uses, are devoted to such pumping.

This schedule is mandatory for agricultural accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. Agricultural accounts with demands exceeding 299 kW for three consecutive months will be placed on the applicable Commercial Time-of-Use Rate Schedule, GS-TOU1, GS-TOU2 or GS-TOU3.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rate

A. Small Agricultural Service, Nondemand Rates – ASN

This rate applies to agricultural accounts having a monthly maximum demand of 30 kW or less. If the account does not have a meter that registers demand, and monthly usage is at least 12,000 kWh for three consecutive months, a demand meter will be installed. Whenever monthly maximum demand exceeds 30 kW for three consecutive months, the customer will be billed on the applicable demand rate. To return to the nondemand rate, the account’s monthly maximum demand must fall below 31 kW and usage must be below 12,000 kWh for 12 consecutive months.

	(Nov 1 - Apr 30) Winter	(May 1 - Oct 31) Summer
Season		
System Infrastructure Fixed Charge - per month per meter	\$10.15	\$10.15
Electricity Usage Charge \$/kWh for all kWh	\$0.1122	\$0.1228

B. Large Agricultural Service, Demand Rates – ASD

This rate applies to agricultural accounts having a monthly maximum demand greater than 30 kW but less than 300 kW for three consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. The customer will be billed on the demand-metered rate until the demand falls below 31 kW and energy is less than 12,000 kWh for 12 consecutive months before being returned to the ASN Rate.

	Winter	Summer
Season		
System Infrastructure Fixed Charge - per month per meter	\$23.45	\$23.45
Site Infrastructure Charge (\$ per 12-month max kW or contract capacity)		
First 30 kW	No Charge	No Charge
Additional kW per month	\$2.31	\$2.31
Electricity Usage Charge \$/kWh		
Base Usage – 8,750 kWh per month	\$0.1242	\$0.1190
Base Usage Plus – kWh over 8,750 per month	\$0.0974	\$0.0861

C. Small Agricultural Optional Time-of-Use – AON

This optional rate is for small agricultural nondemand accounts. Transfers to the small agricultural Time-of-Use Rate must remain in effect for at least four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

	Winter	Summer
Season		
System Infrastructure Fixed Charge - per month – per meter	\$13.55	\$13.55

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. 13-xx-xx adopted Aug __, 2013

Sheet No. 1-AG-1

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Agricultural Service Rate Schedule AG

Electricity Usage Charge \$/kWh

On-Peak period	\$0.1290	\$0.1871
Off-Peak period	\$0.1100	\$0.1006

D. Large Agricultural Optional Time-of-Use – AOD

This optional rate is for large agricultural accounts with demand greater than 30 kW and less than 300 kW. Transfers to the agricultural Time-of-Use Rate must remain in effect for at least four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

	Winter	Summer
System Infrastructure Fixed Charge per month – per meter	\$81.65	\$81.65
Maximum Demand Charge \$/ kW	\$2.31	\$3.23
Electricity Usage Charge \$/kWh		
On-Peak period	\$0.1285	\$0.1989
Off-Peak period	\$0.1091	\$0.1060

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

- A. Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

A. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer has electric generator(s), sited on the customer premise, that serve all or part of the customer’s load;
2. The generator(s) are connected to SMUD’s electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule. These charges include System Infrastructure Fixed Charges and Site Infrastructure Charges, as well as Electricity Usage and Maximum Demand Charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

- B. Net Energy Metering Option.** Refer to Rate Schedule 1-NEM.

Agricultural Service Rate Schedule AG

C. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

D. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate shall be determined by the voltage level at which service is taken according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as "Primary" or "Subtransmission."

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer's monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer's monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment

1. Adjustment (charge varies by month)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer's monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \times [(95\% \div \text{Power Factor}) - 1] \times \text{Power Factor Adjustment}$$

Agricultural Service Rate Schedule AG

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer's monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0100

2. Waiver Contract (charge per month is set for the term of the waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Time-of-Use Billing Periods

Winter season is from November 1 through April 30. Summer season is from May 1 through October 31.

Winter Season On-Peak	Weekdays between 7:00 a.m. and 10:00 a.m. and 5:00 p.m. and 8:00 p.m.
Summer Season On-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 day, more than 34 days or spans more than one season. The Electricity Usage allowances, System Infrastructure Fixed Charge, and Site Infrastructure Charge will be prorated as shown in the following table.

Agricultural Service Rate Schedule AG

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period of June through September. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months.

(End)

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Large General Service Time-of-Use Rate Schedule GS-TOU1

I. Applicability

This Rate Schedule 1-GS-TOU1 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of 1,000 kW or greater for three consecutive months during the preceding 12 months. Accounts will remain on this rate schedule unless monthly maximum demand falls below 1,000 kW for 12 consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. This schedule is also mandatory for accounts with contract capacity of 1,000 kW or greater. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

	Voltage Level Rate Category	Large C&I Secondary GUS_L	Large C&I Primary GUP_L	Large C&I Subtransmission GUT_L
Winter Season - October 1 through May 31				
System Infrastructure Fixed Charge – per month per meter		\$99.10	\$99.10	\$262.50
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)		\$3.69	\$3.54	\$2.82
Electricity Usage Charge				
On-Peak \$/kWh		\$0.0989	\$0.0940	\$0.0906
Off-Peak \$/kWh		\$0.0784	\$0.0733	\$0.0717
Summer Season - June 1 through September 30				
System Infrastructure Fixed Charge – per month per meter		\$99.10	\$99.10	\$262.50
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)		\$3.69	\$3.54	\$2.82
Electricity Usage Charge				
Super-Peak \$/kWh		\$0.1541	\$0.1270	\$0.1234
On-Peak \$/kWh		\$0.1231	\$0.1158	\$0.1084
Off-Peak \$/kWh		\$0.0985	\$0.0898	\$0.0885

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule 1-EAPR.
- B. **Campus Billing.** Refer to Rate Schedule 1-CB.
- C. **Economic Development (ED) Rate Option**

This option is applicable to full-service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. Determination of eligibility is at SMUD's sole discretion.

Large General Service Time-of-Use Rate Schedule GS-TOU1

1. Eligibility for this discount is limited to customers with North American Industrial Classification System (NAICS) designations: 311-339 Manufacturing, 511-519 Information, 521-525 Finance & Insurance, or 541 Professional, Scientific & Technical Services.
2. Eligible customer must agree to be a full-service customer for five years.
3. New customers must apply for the ED option prior to commencement of service with SMUD. Existing customers must apply for the option prior to the installation of new load.
4. Eligible customers will receive a reduction of the System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, Site Infrastructure Charge and electricity usage charges on their bill, based on the table below.
5. For existing customers, only the additional load shall qualify for the discount.

<i>Economic Development Discount</i>				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

D. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

E. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates, or leases one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD’s electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

Large General Service Time-of-Use Rate Schedule GS-TOU1

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

H. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate shall be determined by the voltage level at which service is provided according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage: } x \quad [(95\% \div \text{Power Factor}) - 1] \quad x \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0100

2. Waiver Contract (charge per month is set for the term of the waiver)

Large General Service Time-of-Use Rate Schedule GS-TOU1

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Large General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 -May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 -September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Billing period is less than 27 days	Relationship between the length of the billing period and 30 days.
Billing period is more than 34 days	
Seasons overlap within billing period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

SACRAMENTO MUNICIPAL UTILITY DISTRICT
Resolution No. **13-xx-xx** adopted August __, 2013

Sheet No. **1-GS-TOU1-4**
Effective: **January 1, 2014**
Edition: **January 1, 2014**

Large General Service Time-of-Use Rate Schedule GS-TOU1

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

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Medium General Service Time-of-Use Rate Schedule GS-TOU2

I. Applicability

This Rate Schedule 1-GS-TOU2 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of at least 500 kW for three consecutive months, but not greater than 999 kW for three consecutive months during the preceding 12 months. Accounts will remain on this schedule unless monthly maximum demand falls below 500 kW for 12 consecutive months or exceeds 999 kW for three consecutive months. This schedule is also mandatory for accounts with contract capacity of at least 500 kW, but not greater than 999 kW. The demand for any month will be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Voltage Level Rate Category	Medium C&I Secondary GUS_M	Medium C&I Primary GUP_M	Medium C&I Subtransmission GUT_M
Winter Season – October 1 through May 31			
System Infrastructure Fixed Charge – per month per meter	\$99.10	\$99.10	\$262.50
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$2.61	\$2.31	\$1.90
Electricity Usage Charge			
On-Peak \$/kWh	\$0.0942	\$0.0891	\$0.0858
Off-Peak \$/kWh	\$0.0747	\$0.0707	\$0.0692
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge – per month per meter	\$99.10	\$99.10	\$262.50
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$2.61	\$2.31	\$1.90
Summer Super Peak Demand Charge (\$ per monthly super-peak max kW)	\$6.41	\$5.89	\$0.00
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.1788	\$0.1702	\$0.1652
On-Peak \$/kWh	\$0.1231	\$0.1187	\$0.1112
Off-Peak \$/kWh	\$0.0948	\$0.0902	\$0.0888

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule 1-EAPR.
- B. **Campus Billing.** Refer to Rate Schedule 1-CB.
- C. **Economic Development (ED) Rate Option**

This option is applicable to full-service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. Determination of eligibility is at SMUD's sole discretion.

Medium General Service Time-of-Use Rate Schedule GS-TOU2

1. Eligibility for this discount is limited to customers with North American Industrial Classification System (NAICS) designations: 311-339 Manufacturing, 511-519 Information, 521-525 Finance & Insurance, or 541 Professional, Scientific & Technical Services.
2. Eligible customer must agree to be a full-service customer for five years.
3. New customers must apply for the ED option prior to commencement of service with SMUD. Existing customers must apply for the option prior to the installation of new load.
4. Eligible customers will receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Super Peak Infrastructure Charge and electricity usage charges on their bill, based on the table below.
5. For existing customers, only the additional load shall qualify for the discount.

<i>Economic Development Discount</i>				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

D. Implementation of Energy Efficiency Program or Installation of New Solar Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

E. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates, or leases, one or more generators, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Generator Standby Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, Summer Super Peak Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

Medium General Service Time-of-Use Rate Schedule GS-TOU2

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

H. Special Metering Charge

The customer shall pay for additional equipment and software identified by SMUD meter specialists as necessary for load data collection and upload to the customer electronic system. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage: } x \quad [(95\% \div \text{Power Factor}) - 1] \quad x \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0100

2. Waiver Contract (charge per month is set for term of waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Medium General Service Time-of-Use Rate Schedule GS-TOU2

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Medium General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 - May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 - September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak: June 1 - September 30	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

Medium General Service Time-of-Use Rate Schedule GS-TOU2

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service may be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

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Small General Service Time-of-Use Rate Schedule GS-TOU3

I. Applicability

This Rate Schedule 1-GS-TOU3 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of at least 300 kW for three consecutive months, but not greater than 499 kW for three consecutive months during the preceding 12 months, and for all accounts previously served at the primary level on Rate Schedule 1-GS. Accounts will remain on the GS-TOU3 rate schedule unless monthly maximum demand falls below 300 kW for 12 consecutive months or exceeds 499 kW for three consecutive months. This schedule is also mandatory for accounts with contract capacity of at least 300 kW, but not greater than 499 kW. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Voltage Level Rate Category	Small C&I Secondary GUS_S	Small C&I Primary GUP_S
Winter Season - October 1 through May 31		
System Infrastructure Fixed Charge - per month per meter	\$99.10	\$99.10
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$3.49	\$3.13
Electricity Usage Charge		
On-Peak \$/kWh	\$0.0956	\$0.0903
Off-Peak \$/kWh	\$0.0760	\$0.0718
Summer Season - June 1 through September 30		
System Infrastructure Fixed Charge - per month per meter	\$99.10	\$99.10
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$3.49	\$3.13
Summer Super Peak Demand Charge (\$ per monthly super-peak max kW)	\$7.02	\$6.41
Electricity Usage Charge		
Super-Peak \$/kWh	\$0.1841	\$0.1752
On-Peak \$/kWh	\$0.1258	\$0.1212
Off-Peak \$/kWh	\$0.1000	\$0.0951

III. Electricity Usage Surcharges

Refer the following rate schedules for details on electricity surcharges that apply to all kWh usage.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule 1-EAPR.
- B. **Campus Billing.** Refer to Rate Schedule 1-CB.
- C. **Economic Development (ED) Rate Option**

This option is applicable to full-service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. Determination of eligibility is at SMUD's sole discretion.

Small General Service Time-of-Use Rate Schedule GS-TOU3

1. Eligibility for this discount is limited to customers with North American Industrial Classification System (NAICS) designations: 311-339 Manufacturing, 511-519 Information, 521-525 Finance & Insurance, or 541 Professional, Scientific & Technical Services.
2. Eligible customer must agree to be a full-service customer for five years.
3. New customers must apply for the ED option prior to commencement of service with SMUD. Existing customers must apply for the option prior to the installation of new load.
4. Eligible customers will receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Super Peak Infrastructure Charge and electricity usage charges on their bill, based on the table below.
5. For existing customers, only the additional load shall qualify for the discount.

<i>Economic Development Discount</i>				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

D. Implementation of Energy Efficiency Program or Installation of New Solar Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

E. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates, or leases one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD’s electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Generator Standby Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule. These charges include System Infrastructure Fixed Charges, Site Infrastructure Charges, Summer Super Peak Infrastructure Charges, as well as electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

Small General Service Time-of-Use Rate Schedule GS-TOU3

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

H. Special Metering Charge

The customer shall pay for additional equipment and software identified by SMUD meter specialists as necessary for load data collection and upload to the customer electronic system. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \times [(95\% \div \text{Power Factor}) - 1] \times \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0100

Small General Service Time-of-Use Rate Schedule GS-TOU3

2. Waiver Contract (charge per month is set for term of waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Small General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 -May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 -September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak: June 1 - September 30	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that falls within the respective seasons.

Small General Service Time-of-Use Rate Schedule GS-TOU3

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service may be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

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General Service Campus Billing Rate Schedule CB

I. Applicability

This Rate Schedule 1-CB is optional for general service customers served at a common address or industrial campus that have several accounts or service entrances on the same contiguous campus. Campus Billing provides for either hardwire or post-metering of a combination of these accounts to a single load shape for billing purposes. Under this option the customer receives one bill for the entire campus and the aggregated monthly maximum kW is used to determine the applicable rate schedule under which the campus account will be billed. Campus billing is available to customers where at least one existing account to be included in the campus account is on Rate Schedules GS-TOU1, GS-TOU2 or GS-TOU3.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Pricing Structure

A. System Infrastructure Fixed Charge

The customer pays a single System Infrastructure Fixed Charge to recover the cost of maintaining or replacing one meter and the overhead costs for billing and customer service.

B. Campus Meters Charge

The customer must pay a Campus Meters Charges for all but the first meter. The Campus Meters Charge recovers costs for the meters, Current Transformer (CT), Potential Transformer (PT), meter testing, data management services, auxiliary metering equipment and additional billing services. The Campus Meters Charges vary by service voltage level. Information on the associated monthly charges is available on SMUD’s website, www.smud.org, or will be furnished upon request. SMUD will review this information at least once per year and update as necessary for additional approved equipment, technology improvements and pricing changes.

C. Data Services Meter Rental

If a data service meter is required for communication with a legacy meter(s) there is an additional fee for rental of the data services meter. Information on the associated monthly charges is available on SMUD’s website, www.smud.org, or will be furnished upon request. SMUD will review this information at least once per year and update as necessary for additional approved equipment, technology improvements and pricing changes.

D. Rate Changes

Campus billing prices will be subject to any applicable changes to the GS-TOU rates, the Campus Meter Charges, and the Data Services Meter Rental Charge.

III. Site Infrastructure Charge

When the accounts are aggregated through Campus Billing, SMUD creates a new account with no billing history. As a result, the 12-months maximum kW basis for the Site Infrastructure Charge is initially set by the first month’s maximum kW on the campus account.

IV. Conditions of Service

The following criteria define the conditions under which campus rates would be permitted. Failure to comply with any of these conditions will revoke the option for campus billing and the campus will be returned to individual accounts on their applicable rate.

- A. All accounts are under the same legal entity buying and consuming the power at the site

The term “legal entity” means the name on each account must be the same company/organization.

- B. All meters are on a contiguous site.

The parcels of land are physically adjacent; the parcels may be separated by public streets or railways.

General Service Campus Billing Rate Schedule CB

- C. At least one of the proposed campus accounts is on a GS-TOU Rate as defined in Rate Schedules GS-TOU1, GS-TOU2, or GS-TOU3 at the time campus billing is requested.
- D. No meter provides sub-metering on campus to third parties.
- E. All meters are served at the same service voltage. SMUD recognizes the following three voltage classes:
 - 1. Transmission – 69 kV or higher
 - 2. Primary – 12 kV or 21 kV
 - 3. Secondary – all voltages lower than 12 kV
- F. All the meters must feed off the same substation as determined by SMUD.
For subtransmission customers, all meters must be fed off the same bank at the substation as determined by SMUD.
- G. Each meter is capable of interval metering on each service entrance.
If a meter is not capable of interval metering the customer will be charged for the cost of installing such a meter.
- H. Agricultural Service and General Service accounts.
AG and GS can be included in a campus account, however, a campus account cannot consist of solely accounts on Agricultural service or solely on General Service or a combination of Agricultural and General Service cannot combine into a campus account.
- I. The campus account maintains or exceeds GS-TOU3 eligibility.
- J. No use of parallel systems for shifting load between different rate offerings.
Should this occur, SMUD shall have the right to corrective billing on a single rate and full reimbursement of waived System Infrastructure Fixed Charges.
- K. The customer provides SMUD with a single point of contact for billing and service questions.
Campus accounts created before January 1, 2014, are grandfathered under the prior rate option. The requirements for at least one service being eligible for a GS-TOU rate at the time of the campus request and for all service to be provided from a single substation will be waived. If a grandfathered account requests that additional meters be added to the campus, the addition will be allowed if the service is fed from a substations already part of the campus account.

V. Setting Up a Campus Account

A customer can request campus billing from an Energy Advisor. The Energy Advisor will verify the customer's accounts meet the requirements and the eligibility for campus billing. If the Energy Advisor determines the accounts are eligible the Energy Advisor will provide a Request for Campus Billing Option form for the customer detailing the startup costs and the ongoing monthly costs. Once the Request form is returned with the customer's signature acknowledging the costs the Energy Advisor will submit the request to Billing. Campus billing will start on the bill after all accounts have been prepared for campus billing.

VI. Billing

A. Service Rendered

Service rendered in accordance with this rate is at SMUD's sole discretion.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
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General Service Campus Billing Rate Schedule CB

Billing period is less than 27 days	Relationship between the length of the billing period and 30 days.
Billing period is more than 34 days	
Seasons overlap within billing period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

VII. Terminating a Campus Billing Account

The customer can elect to revert back to individual accounts at any time by contacting Billing or an Energy Advisor. All meters will be converted to single accounts and the corresponding current rates will be assigned based on usage and demand. It may take more than one billing cycle to change the campus account back to individual accounts.

VIII. Reinstating a Campus Billing Account

After terminating the Campus Billing Option, or disaggregating the campus account, or dropping one or more meters from the campus account, the customer cannot have any of the meters that comprised the campus account reinstated on an existing or new campus account for 12 months from the date of removal from the option.

After 12 months, the meters can be used to create a new campus account or be added to an existing campus.

If the original campus account no longer exists, the procedure for setting up a Campus Account must be followed. See section V.

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General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP (*Closed to new customers*)

I. Applicability

This Rate Schedule 1-GS-TDP applies to single- or three-phase service, delivered at the subtransmission voltage level. The rate charged the customer shall vary depending on the maximum forecasted temperature during the summer season (June through September). SMUD is utilizing temperature-dependent pricing as an additional rate option for economic retention.

This rate schedule was closed to new participants effective January 1, 1998.

To be eligible for this schedule, customers must have met the following requirements:

1. Certify to SMUD that serving their load has become competitive as shown through evidence of viable competitive energy sources from relocation, self-generation, cogeneration, etc.;
2. Verify that electricity costs are at least 10 percent of their variable production costs; and
3. Agree to remain a full-requirements SMUD customer for a minimum period of five years. If the customer chooses to bypass SMUD before the five year period has expired, the customer shall reimburse SMUD for all cumulative savings received under the temperature-dependent pricing rate compared to the standard rate. The customer may elect to terminate SMUD service after four years, with a one-year advance notification, without penalty.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rate

	Voltage Level Rate Category	Subtransmission GDT_99
Winter Season – October 1 through May 31		
System Infrastructure Fixed Charge per month per meter		\$262.50
Site Infrastructure Charge (<i>\$ per 12 month max kW or contract capacity</i>)		\$0.51
Electricity Usage Charge		
On-Peak Period \$/kWh		\$0.0906
Off-peak period \$/kWh		\$0.0650
Summer Season – June 1 through September 30		
System Infrastructure Fixed Charge per month per meter		\$262.50
Site Infrastructure Charge (<i>\$ per 12 month max kW or contract capacity</i>)		\$0.51
TDP Super-Peak Demand Charge (\$/kW)		
Per kW of maximum demand during Super-Peak Period per day if forecasted daily maximum temperature (T) for the following day is:		
“Heat Storm” if T >= 100° for 2 or more consecutive days; or		\$5.27
“Extremely Hot” if T >= 100° for a single day; or		\$4.97
“Very Hot” if 100° > T > 95°; or		\$0.92
“Mild to Hot” if 95° >=		No Charge
Electricity Usage Charge		
Super-Peak \$/kWh		\$0.1234
On-Peak \$/kWh		\$0.1084
Off-Peak \$/kWh		\$0.0819

The TDP Maximum Demand Charge varies depending on the forecasted maximum temperature, based on a mutually agreed upon weather forecast source for the Sacramento area, for the following day.

General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP (*Closed to new customers*)

Minimum Demand Charge Day

A “Minimum Demand Charge Day” may be declared on days when the forecast maximum daily temperature is greater than 95°F and less than 50 percent of SMUD’s available peaking resources are being utilized. On a “Minimum Demand Charge Day” there is no charge for super-peak TDP maximum demand.

Notification of Minimum Demand Charge Day

It is the responsibility of the customer to communicate with SMUD to determine whether the SMUD system operator has declared a “Minimum Demand Charge Day.” SMUD reserves the right to cancel a “Minimum Demand Charge Day” if necessary. Any such update will be provided to the customer no later than one hour prior to application of the TDP super-peak maximum demand charge.

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

A. Green Pricing Options

1. SMUD Community Solar Option (Greenery Block)

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option (Greenery Advocate and Greenery All Renewables)

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

B. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP (Closed to new customers)

2. *Primary Service Voltage*

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer's monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. *Subtransmission Service Voltage*

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer's monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer's monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage: } x \quad [(95\% \div \text{Power Factor}) - 1] \quad x \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer's monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0100

2. Waiver Contract (charge per month is set for the term of the waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

$$\text{Excess KVAR } x \text{ Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2653

D. Large General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 - May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 - September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP *(Closed to new customers)*

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

Street Lighting Service Rate Schedule SLS

I. Applicability

This Rate Schedule 1-SLS applies to outdoor lighting service facilities for:

1. Streets; and
2. Highways and bridges; and
3. Public parks; and
4. Elementary schools, secondary schools, and colleges.

This schedule covers the following service categories:

- **Customer-owned and maintained — Rate Category SL_COM**
- **Customer-owned and maintained, metered — Rate Category SL_COM_M**
- **Customer-owned, SMUD-maintained — Rate Category SL_CODM**
- **SMUD (District)-owned and maintained — Rate Category SL_DOM**

For the purposes of the following prices a "month" is considered to be a single billing of 27 to 34 days.

II. Customer-owned and maintained — Rate Category SL_COM

Where the customer owns and maintains the street lighting equipment, SMUD will furnish electricity and switching. Effective January 1, 2015, this rate will be available only to new customers and installations that are not eligible for a metered rate.

Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0243

III. Customer-owned and maintained, metered — Rate Category SL_COM_M

Where the customer owns and maintains street lighting equipment, that is controlled to **operate solely during dusk to dawn hours**, and requests metered electricity, SMUD will furnish electricity, the meter, and switching. The charges will be as follows:

System Infrastructure Fixed Charge per month..... \$8.45

Electricity Usage Charge (\$ per kWh) - all kWh..... \$0.0729

IV. Customer-owned, SMUD (District)-maintained — Rate Category SL_CODM (Closed to new customers and installations)

This rate is closed to new customers and installations effective January 1, 2014. Where the customer owns the street lighting equipment and requests that SMUD supply electricity, switching and, lamp servicing and maintenance, such service will be rendered for lamps and fixtures of sizes and types as SMUD has approved. The charge will be as follows:

Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0243

There will be a separate monthly charge for maintaining each fixture and/or lamp. SMUD maintains a list of acceptable lamps and fixture types with standard ratings and the corresponding monthly maintenance charge.

This service is restricted to SMUD-approved locations.

V. SMUD (District)-owned and maintained — Rate Category SL_DOM

Where the customer requests that SMUD install, operate, and maintain the entire street lighting system, such service will be provided with fixtures and lamps of sizes and types as approved by SMUD. This rate is restricted to streets that are defined as right-of-way held in public trust, and maintained by the applicable governmental jurisdiction. At SMUD's sole discretion, streets not readily accessible to the general public will be served under the customer owned and maintained rates only.

Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0243

Street Lighting Service Rate Schedule SLS

There will be a separate monthly charge for installation and maintenance of each fixture (including lamps, refractors, ballasts, photocells and other typical support equipment). These charges are based on the installation of street lighting fixtures of a design specified by SMUD and mounted by means of varying length brackets affixed to existing wood poles that are used to carry distribution system circuits.

When additional or alternative facilities are installed at the customer's request, monthly charges will be assessed according to SMUD's published charge schedule.

Effective January 1, 2015, this rate will be available only to new customers and installations that are not eligible for a metered rate.

A. Relocations and Changes

At the customer's request, SMUD may, at its sole discretion, relocate existing equipment provided the customer reimburses net expense to SMUD incurred in connection therewith, including appropriate engineering and general expense.

At the customer's request, SMUD may, at its sole discretion, replace existing equipment with new equipment prior to expiration of the existing equipment's service life, provided the customer pays to SMUD an amount equal to the unrecovered cost, less salvage value, of the existing equipment to be retired and executes a 15-year contract for service effective with installation of the new equipment.

B. New Service

New service will require an initial contract term of 15 years effective with installation of the service. If service is terminated before the contract term, the customer will be responsible for an amount equal to the unrecovered cost, less salvage value, of the equipment installed.

VI. Conditions of Service

1. Service will be alternating current at a frequency of approximately 60 hertz, single phase, at voltages specified by SMUD. Lamps shall be controlled to operate from dusk to dawn each night so as to give approximately 4,000 hours of lighting service annually.
2. When a customer requests that SMUD finance as well as install customer-owned street lighting equipment, provisions of Rule and Regulation 2 apply.
3. Information on equipment that qualifies for rates on this schedule and the associated monthly charges is available, on SMUD's website, www.smud.org, or will be furnished upon request. SMUD will review this information at least once per year and update as necessary for additional approved equipment, technology improvements and pricing changes.
4. SMUD will furnish a meter to provide service under the metered rate categories.

VII. Billing

A. Rating in Watts

The manufacturer's rating in watts (including all auxiliary equipment) will be used as connected load.

B. Proration of Charges

Billing periods for nonstandard lengths will be billed as follows:

1. Service connected for 15 or more days during a billing period will be billed for a full month's service.
2. Service connected for 1-14 days during a billing period will not be billed for such partial month's service.
3. Service discontinued for 15 or more days during a billing period will not be billed for such partial month's service.
4. Service discontinued for 1-14 days during a billing period will be billed for a full month's service.

(End)

Traffic Signal Service Rate Schedule TSS (*Closed to new customers*)

I. Applicability

This Rate Schedule 1-TSS applies to electric service for pedestrian and vehicular traffic signal units, together with related control devices where the mounting standards, control supports, and signal equipment are owned and maintained by the customer.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Rate (Rate Category SL_TSF)

Monthly Charges

For units not larger than 70 watts of connected load and not exceeding three lamps per unit,
the monthly charge **per unit** per month \$3.60

For units larger than 70 watts of connected load and not exceeding three lamps per unit,
the monthly charge **per lamp per watt** \$0.0220

The total charge per month being not less than \$3.60

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity surcharges that apply to all kWh usage.

A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.

B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Conditions of Service

1. Service shall be alternating current, at a frequency of approximately 60 hertz, single phase, at secondary voltages specified by SMUD.
2. No additional service will be provided by SMUD under Rate Schedule TSS. Upon notification by SMUD and installation of metering facilities, individual accounts will be transferred from Rate Schedule TSS to Rate Schedule TC ILS.

V. Billing

A. Connected Load

“Connected load” as used in this rate schedule shall be the sum of the capacities of all of the customer’s equipment that may be operated from SMUD’s lines at the same time.

B. Billing Periods of Nonstandard Length

Billing periods of nonstandard length will be billed as follows:

1. Service connected for 15 or more days during a billing period will be billed for a full month’s service.
2. Service connected for 1-14 days during a billing period will not be billed for such partial month’s service.
3. Service discontinued for 15 or more days during a billing period will not be billed for such partial month’s service.
4. Service discontinued for 1-14 days during a billing period will be billed for a full month’s service.

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Traffic Control Intersection Lighting Service Rate Schedule TC ILS

I. Applicability

This Rate Schedule 1-TC ILS applies to electric service for pedestrian and vehicular traffic signal units, together with related control devices and associated intersection lighting where the mounting, standards, control supports, signal equipment, and luminaires are owned and maintained by the customer.

For the purposes of the following prices a "month" is considered to be a single billing period of 27 to 34 days.

II. Rate (Rate Category TS_F, TS)

System Infrastructure Fixed Charge

For metering point per month or portion thereof..... \$5.00
Plus

Electricity Usage Charge

\$/ kWh \$0.0912

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity surcharges that apply to all kWh usage.

A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.

B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Conditions of Service

1. Service shall be alternating current, at a frequency of approximately 60 hertz, single phase, at secondary voltages specified by SMUD, and at service points mutually agreed upon between the customer and SMUD.
2. Lamps for intersection lighting shall be controlled to operate from dusk to dawn each night so as to give approximately 4,000 hours of lighting service annually.
3. Where the monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operation, SMUD may, with customer's consent, calculate electricity consumed in lieu of providing metering equipment (TS_F).

V. Billing

For billing periods of less than 27 days or more than 34 days, System Infrastructure Fixed Charges will be prorated on the basis of the relationship between the length of the billing period and 30 days. No proration will be made on first-time billing when the total period of service is less than 30 days.

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Outdoor Night Lighting Service Rate Schedule NLGT

I. Applicability

This Rate Schedule 1-NLGT applies to SMUD-owned and maintained outdoor overhead lighting service where Street Lighting Service Rate Schedule SLS does not apply. Service furnished under this schedule may be discontinued at any location where SMUD's overhead distribution facilities are relocated or converted to underground distribution facilities.

Lamps shall be supported on SMUD-owned poles that are used to carry distribution system circuits used for other SMUD purposes, and shall be at locations approved by SMUD.

II. Rate

Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0243

There will be a separate monthly charge for installation and maintenance of each fixture (including lamps, refractors, ballasts, photocells and other typical support equipment). These charges are based upon the installation of street lighting fixtures of a design specified by SMUD and mounted by means of varying length brackets affixed to existing wood poles that are used to carry distribution system circuits.

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity surcharges that apply to all kWh usage.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Lamp Servicing and Relocations

- A. Upon receipt of notice from the customer of failure that light fails to operate as scheduled, SMUD will, within a reasonable period of time, make the necessary repairs.
- B. SMUD will, at the customer's request, relocate existing outdoor lighting service equipment, provided the customer reimburses SMUD for the relocation cost.

V. Conditions of Service

- A. Service shall be alternating current at a frequency of approximately 60 hertz, single phase.
- B. Where new facilities are required in order to provide service for an applicant under this rate, SMUD may require a contract for service for a period not to exceed three years.
- C. Information on equipment that qualifies for this rate schedule and the associated monthly charge is available on the SMUD website, www.smud.org, or will be furnished upon request. SMUD will review this information at least annually and update as appropriate. SMUD retains the right to modify the listing of approved fixtures and lamps to accommodate changing technology or other business needs criteria.

VI. Billing

A. Connected Load

The manufacturer's rating in watts (including all auxiliary equipment) will be used as connected load.

Outdoor Night Lighting Service Rate Schedule NLGT

B. Proration of Charges

The monthly charge will be prorated during nonstandard billing periods. The following table shows the basis for the proration during these circumstances.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days
Bill period is longer than 34 days	

(End)

Residential and General Service Energy Assistance Program Rate Schedule EAPR

I. Applicability

This Rate Schedule 1-EAPR applies to customers receiving service under residential or general service rates who meet specific eligibility requirements.

II. Eligibility for Residential Customers

Eligibility for the Energy Assistance Program (EAPR) is determined by the following:

- A. The total gross household income must conform to the Income Guidelines as specified on the application;
- B. The customer must not be claimed as a dependent on another person's income tax return; and
- C. The service address on the application must be the customer's primary residence.

III. Discount for Residential Customers

Eligible residential customers will receive discounts as follows.

The maximum EAPR discount is \$52 per month for customers not on a well rate and \$64 a month for well rate customers. The calculation of the EAPR discount is the sum of the following components, up to the maximum:

1. The difference between the residential System Infrastructure Fixed charge (SIFC) of \$14.00 and the discounted SIFC for EAPR customers of \$5.50.
2. A discount of 38 percent applied to the electricity usage charges calculated at non-EAPR rates.

IV. Eligibility for Nonprofit Organizations

To be eligible for EAPR the nonprofit organization must meet the following requirements:

- A. The organization's qualifying site takes service directly from SMUD; and
- B. The organization meets the qualifications for a nonprofit public or private organization, as specified on the application; and
- C. The organization operates the qualifying site as residential unit(s) whose residents meet the Energy Assistance Program income guidelines.
 1. The primary function of the site shall be to provide a home (sleeping quarters) for low-income residents who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence.
 2. In support of the primary function that is provided by the nonprofit organization, associated facilities that provide daytime services for the homeless (such as personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility's square footage must be directly related to meeting these functions.

An energy survey of the residential unit(s) is recommended at the time of being placed on this program and implementation of recommended cost-effective energy efficiency measures is encouraged.

V. Discount for Nonprofit Organization

Eligible commercial customers will receive discounts as follows:

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Site Infrastructure Charge (kW) and summer super peak demand charge (kW) each billing period.
- B. The General Service *GSN_T* System Infrastructure Fixed Charge will be set at \$7.10 each billing period.
- C. The General Service *GSS_T* System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.

Residential and General Service Energy Assistance Program Rate Schedule EAPR

- D. The General Service rate schedules *GS-TOU1*, *GS-TOU2*, *GS-TOU3* System Infrastructure Fixed Charge will receive a 15 percent discount applied each billing period.

VI. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

VII. Conditions of Service

A. Application

To qualify for the Energy Assistance Program Rate, the customer must complete a SMUD application and submit requested supporting documents. Applications are processed by SMUD or SMUD's designated agent.

Residential customers must provide documentation for the total gross income for the household. Residential applications are available at SMUD's website, www.smud.org, or by calling SMUD customer service at 1-888-742-7683.

Nonprofit organizations must provide a copy of a valid determination or ruling letter from the Internal Revenue Service attesting to their charitable nonprofit status. Nonprofit Organization applications are available by calling SMUD customer service at 1-888-742-7683.

B. Verification

Upon request, applicants shall provide proof, satisfactory to SMUD or its designated agent, that they meet the eligibility requirements. Failure to provide proof as requested will be considered just cause for denial to the Energy Assistance Program Rate. It is the customer's responsibility to immediately notify SMUD or its designated agent when eligibility requirements change to the extent that the applicant no longer qualifies for this program. Applicants served under this program may be subject to annual review and/or verification. Any intent to defraud SMUD will result in rebilling of the applicant's bill and removal from the Energy Assistance Program Rate. SMUD reserves the right to take appropriate legal action as warranted.

VIII. Billing

The effective date of the Energy Assistance Program Rate will be the beginning of the billing period in which the request is approved. If participation is terminated, the effective termination date will be the beginning of the billing period in which the request is received or the cancellation date.

(End)

Residential Service Medical Equipment Discount Program Rate Schedule MED

I. Applicability

This Rate Schedule 1-MED applies to customers receiving service under non-time-of-use residential rates, who certify, in writing, that the customer or a full-time resident in the customer's home:

- Is dependent on a qualifying medical equipment device used in the home; or
- Has a medical condition with special electric heating needs or air conditioning needs.

II. Medical Equipment Discount

A discount will be applied to the electricity usage portion of the bill per month.

MED Rate Discount\$15.00

III. Medical Equipment Discount and Energy Assistance Program Rate

Qualified residential customers on both the Energy Assistance Program Rate and the Medical Equipment Discount receive the EAPR discount as described in Rate Schedule 1-EAPR and the MED discount.

IV. Conditions

A. Application and Certification

An application must be completed along with certification from a qualified health professional stating that a medical need exists. A current definition of "qualified health professional" is posted on the SMUD website, www.smud.org.

B. Medical Equipment Device

A medical equipment device, for purposes of these rates, is defined as a qualifying medical device requiring utility-supplied electricity for its operation that is regularly required for mobility or to sustain the life of a person residing in a residential dwelling. Qualified devices change frequently as technology changes. A current list of qualified devices and medical conditions is available on the SMUD website, www.smud.org.

C. Request for Additional Discount

If this discount does not meet a household's medical-electricity needs, customers may contact SMUD to discuss additional assistance.

V. Billing

The Medical Equipment Discount Program option will be effective commencing with the beginning of the billing period in which the request is received and approved. Return to another rate option will be effective commencing with the beginning of the billing period in which the request is received or the cancellation date, if enrollment in the Medical Equipment Discount Program is terminated.

(End)

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Net Energy Metering Rate Schedule NEM

I. Applicability

This Rate Schedule 1-NEM applies to residential, commercial/industrial, and agricultural customers who have an electrical generation facility on their premise that is fueled by a renewable fuel source. A renewable electrical generation facility is a facility that is eligible for certification as a renewable energy resource as defined by the California Energy Resources Conservation and Development Commission (CEC).¹ These facilities include, but may not be limited to, generators fueled by:

- photovoltaic
- wind
- biomass
- solar thermal
- geothermal
- fuel cells using renewable fuels
- small hydroelectric
- digester gas
- municipal solid waste conversion
- landfill gas
- ocean wave
- ocean thermal
- tidal current

Small hydroelectric generation facilities will not qualify for this tariff if the facility will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow. Fuel cells will not qualify for this tariff if the fuel cell derives any portion of its fuel from a nonrenewable fuel.

II. Generator Standby Charges

Customers who qualify for Net Energy Metering are exempt from generator standby charges on that portion of their load that is served by the NEM eligible facility.

III. Conditions of Service

A. Eligibility

The following are requirements for eligibility under this rate schedule:

1. The facility must be located on the customer's premise; and
2. The facility must operate in parallel with SMUD's distribution facilities; and
3. The customer must meet all requirements of Rule and Regulation 21; and
4. The facility must be intended primarily to offset part or all of the customer's own electrical requirements; and
5. The facilities and the electrical requirements are located at a single and same metering point; and
6. The generating capacity can be a maximum of 3,000 kilowatts.

For photovoltaic generation facilities, generation capacity is measured using the California Energy Commission Alternating Current (CEC-AC) rating. For all other renewable electrical generation facilities, the nameplate Alternating Current (AC) rating will be used to measure generation capacity. This paragraph defining the measurement of capacity only pertains to the applicability of this rate schedule and may differ from any measurement of capacity used in Rule and Regulation 21.

¹). See the CEC's most current Renewable Portfolio Standard Eligibility Guidebook for the purposes of providing the technical definitions of a renewable electrical generation facility.

Net Energy Metering Rate Schedule NEM

B. Limitations

Application for this schedule is on a first-come, first-served basis, until the total rated generating capacity of customers taking service under this schedule exceeds 5 percent of SMUD's aggregate customer peak demand. Once the total rated generation capacity reaches 5 percent of SMUD's aggregate customer peak demand, this schedule is closed to new customers.

IV. Metering

A. Residential and Small Commercial ≤ 20 kW; Agricultural Customers ≤ 30 kW

SMUD will pay for and install, at no cost to the customer, a single meter capable of registering the flow of electricity in both directions, or an equivalent means of metering.

B. Large Commercial > 20 kW; Agricultural Customers > 30 kW

SMUD will pay for and install a single meter, or an equivalent means of metering, capable of registering the flow of electricity in both directions. The customer may be required to pay the cost differential between standard metering and bi-directional metering.

V. Payments

For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

- A. Charges for other than electricity usage must be paid monthly. This includes the System Infrastructure Fixed Charge, Maximum Demand Charge, Site Infrastructure Charge, program fees, surcharges and taxes.
- B. Residential, Small Commercial and Agricultural customers, meeting the eligibility criteria as defined in Section III (A) of this sheet, may pay monthly or annually for the net electricity consumed.
- C. For all other customers, the net balance of all moneys owed must be paid each monthly billing cycle.
- D. If, in any regular billing month, the electricity supplied by SMUD is less than the electricity supplied to SMUD by the customer's eligible generation system, the customer will receive retail-valued electricity credits for the excess electricity supplied to SMUD. The retail-valued electricity credits will carry over to the following billing period until the end of the settlement period. Retail-valued electricity credits will only be credited against electricity usage charges.

VI. Settlement Method

All customers who qualify for the net metering option will have a 12-month settlement period. For existing systems the settlement period begins on the customer's move-in date. For new installations, the settlement period begins on the first day of operations after the customer has requested to be on the NEM rate and the NEM-eligible system is approved by SMUD for grid connection. At the end of the customer's 12-month settlement period, any unused accumulated monthly retail electricity credits will be zeroed out.

A. Annual Net Surplus Generation

1. At the end of a customer's 12-month settlement period, SMUD shall calculate the amount of net surplus generation over the 12-month period. If the customer has net surplus generation, SMUD will, at the customer's election, either:
 - Provide a monetary payment to the customer for the net surplus; or
 - Roll over the net annual surplus kWh into the next 12-month period.

Monetary value per kWh of net surplus generation shall be based on the most recently published SMUD budget, calculated as the dollar value of the expected avoided generation and production-related costs divided by the forecasted annual energy sales.

2. For each kWh purchased by SMUD under this annual net surplus generation method, the ownership of the associated renewable electricity credit will transfer from the customer to SMUD.
3. The net surplus monetary value shall be calculated annually.

Net Energy Metering Rate Schedule NEM

4. This net surplus monetary value will remain in effect for the duration of the fiscal year used for the calculation of the customer's net surplus generation.
5. The value will be published on SMUD's website, www.smud.org, by December 20 prior to the year the value is in effect.

B. Opt-Out of Annual Net Surplus Generation

Customers may elect to opt out of receiving compensation or kWh roll-over credit for their net surplus generation over their 12-month settlement period. Customers who elect to opt out will not receive any form of compensation nor credit for net surplus generation delivered to SMUD. Such customers will be allowed to retain any associated renewable electricity credits produced by their net surplus generation.

(End)

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Hydro Generation Adjustment Rate Schedule HGA

I. Applicability

This Rate Schedule 1-HGA applies to all customers receiving retail electric service from SMUD. Annually, SMUD will calculate how the yearly variation of precipitation affects hydro generation from the Upper American River Project (UARP) and impacts the SMUD budget.

II. Conditions

- A. SMUD estimates that each inch of precipitation results in 35,000 megawatt hours (MWh) of generation.
- B. The HGA precipitation period begins April 1 of the previous year and ends on March 31 of the current year.
- C. The actual precipitation for each period shall be measured at the National Weather Service Pacific House Cooperative Observer measuring station or suitable replacement.
- D. The actual precipitation will be compared to the 50-year median (midpoint) for precipitation measured at Pacific House.
- E. The price of power delivered into the area designated as North Path 15 (NP15) will be used to determine the dollar impact of any excess or shortfall of energy. If NP15 is no longer available, then a suitable replacement will be used.

III. Budget Impact Determination

The following calculations will be used to determine SMUD's budget impact from precipitation variances:

A. Precipitation Variance

$$\begin{array}{r}
 \text{Pacific House Median inches of precipitation} \quad MP \\
 \text{Less } \underline{\text{Pacific House Actual inches of precipitation}} \quad - AP \\
 \\
 \text{Equals} \quad \text{inches of precipitation variance} \quad \pm IPV
 \end{array}$$

B. Generation Conversion

$$\pm IPV \quad \times \quad 35,000 \text{ MWh/inch} \quad = \quad \pm \text{MWh}$$

The variance of hydro generation, in megawatt hours, equals the inches of precipitation variance x 35,000 MWh/inch.

C. Calculation of Budget Effects

The market cost of energy is the simple average of the actual first quarter monthly NP15 prices as of April 1 and the second, third and fourth quarters monthly forecast NP15 prices. If NP15 is no longer available, then a suitable replacement will be used.

$$\pm \text{MWh} \quad \times \quad \text{market cost of energy (\$/MWh)} \quad = \quad \pm \text{budget impact \$}$$

IV. Hydro Rate Stabilization Fund

The Budget Impact (BI) will first be compared to the Hydro Rate Stabilization Fund (HRSF), which was initially funded in 2008 at \$30 million. Any excess funds from above median hydro generation shall be deposited to the HRSF until it reaches a maximum of 5 percent of budgeted retail revenue, at which time subsequent excesses will be returned to the customer through the Hydro Generation Adjustment (HGA). The HRSF will be drawn down to zero before the HGA will be levied as a surcharge on electricity usage.

V. Budget Impact Limitations

The BI will not exceed \pm 4 percent of budgeted retail revenue.

SACRAMENTO MUNICIPAL UTILITY DISTRICT
Resolution No. **13-xx-xx** adopted August __, 2013

Sheet No. **1-HGA-1**
Effective: **January 1, 2014**
Edition: **January 1, 2014**

Hydro Generation Adjustment Rate Schedule HGA

VI. Rate Charges

The HGA deposits into or transfers out of the Hydro Rate Stabilization Fund will be calculated as follows:

$$\text{HRSF} - \text{BI} = \text{Calculated HRSF}$$

- A. If Calculated HRSF is < 0

The Accountant will transfer the remaining HRSF to customer revenue and the HGA will be set at:

$$- \frac{(\text{HRSF} - \text{BI})}{\text{Budgeted calendar year retail kWh sales}} = \text{HGA}$$

The Accountant will defer purchase power expense into the next calendar year equal to minus 27 percent of the Calculated HRSF.

- B. If Calculated HRSF is ≥ 0 and ≤ 5 percent of budgeted retail revenue:

The Accountant will transfer the positive BI out of the HRSF and transfer the negative BI into the HRSF.

- C. If the Calculated HRSF is > 5 percent of budgeted retail revenue:

The Accountant will transfer into the HRSF from customer revenue (5 percent of budgeted retail revenue $-$ HRSF) and the HGA will be set at:

$$- \frac{(\text{Calculated HRSF} - 5\% \text{ of budgeted retail revenue})}{\text{Budgeted calendar year retail kWh sales}} = \text{HGA}$$

The Accountant will defer customer revenues into the next calendar year equal to 27 percent of (Calculated HRSF $- 5$ percent of budgeted retail revenue).

VII. Application

The Hydro Generation Adjustment became effective July 1, 2008. Each subsequent year the calculated HGA will be applied to the rate schedules April 10 until April 9 of the following year.

(End)

Solar Surcharge Rate Schedule SB1

I. Applicability

This Rate Schedule 1-SB1 applies to all retail electric service from SMUD.

Senate Bill 1 (SB1) charges took effect January 1, 2008. On January 1 of each subsequent year the calculated SB1 surcharge shall be recomputed for the new budget year. The SB1 surcharge in effect is posted on SMUD's website, www.smud.org.

II. SB1 Surcharge Rate

SB1 charge: \$0.0015/kWh as of January 1, 2013.

III. SB1 Surcharge Rate Adjustment

The SB1 surcharge rate per kWh shall be adjusted annually to reflect changing market conditions and to meet annual solar project goals. The surcharge collection shall be capped at \$130 million in total.

IV. General Conditions

SMUD has a goal of 125 megawatts of customer-owned solar generation to meet Senate Bill 1 (SB1) requirements by the end of 2016. SB1 is designed to encourage installation of customer-owned solar generation facilities within *the service area, with the expectation of arriving at a subsidy-free market by the end of 2016.*

V. Specific Conditions

A temporary surcharge and balancing account was established January 1, 2008, to fund and track SB1 requirements.

(End)

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Distribution Wheeling Service Rate Schedule DWS

I. Applicability

This Rate Schedule 1-DWS is optional for customers requesting Distribution Wheeling Service. SMUD may, at its sole discretion, provide Distribution Wheeling Service to Independent Power Producers and Cogenerators, also referred to as Merchant Generators, within SMUD territory, who establish a need for this service. Wheeling service requests will be evaluated on a case by case basis and may be limited by availability of distribution system capacity. This rate has been developed for wholesale power transactions and SMUD will not wheel non-SMUD power to its retail customers under this rate.

This Rate Schedule 1-DWS is available to entities owning generating facilities that meet the following conditions:

- The entity's generating facility is connected to SMUD's distribution system; and
- The entity has a power purchase (offtake) agreement for the output of the generating facility with an entity other than SMUD; and
- Power delivery under the power purchase agreement occurs at a location outside of the SMUD system.

Under this service, the power from the associated generating facility will be wheeled (transferred) across SMUD's distribution system from the point of interconnection to SMUD's distribution system (Interconnection Point) to SMUD's bulk power system. Entities taking service under this rate schedule will also be required to take Transmission Wheeling Service from SMUD under the SMUD Open Access Transmission Tariff (OATT).

Service under this schedule is on a first-come, first-served basis and is available unless the usage of these wheeling facilities would be detrimental to SMUD. This schedule is available for interconnection of the qualified generating facility to the SMUD distribution system, wherever that may occur within the SMUD service territory.

II. Rates

Distribution Wheeling Charge	<u>12/21 kV*</u>	<u>69 kV*</u>
\$/kilowatt-month	\$5.975	\$1.389

* includes all path charges to SMUD's bulk power system

III. Conditions of Service

A. Application for Service

Any entity requesting service under this rate schedule must submit an application for Distribution Wheeling Service. Application for such service is available at the SMUD website, www.smud.org.

B. Required Service Contract

The entity taking wheeling service under the rate schedule shall execute a Distribution Wheeling Agreement (DWA) in accordance with SMUD Policy and Procedure 8-05.

C. Reservation Deposit

The entity requesting service under this rate schedule will be required to submit a deposit equal to one month of service under this rate. The deposit will be refundable up until the time that the entity commits to service by execution of the DWA. Once the DWA is executed, the reservation deposit becomes a nonrefundable payment for the first month of service under the rate schedule.

D. Term

Applicant must specify, at the time of application, the start date for the requested service. Applicant must also specify the duration that is requested for service. SMUD will accept applications for service up to 20 years.

Distribution Wheeling Service Rate Schedule DWS

E. Application Under SMUD'S OATT

Applicants must also make application for Transmission Service under SMUD's Open Access Transmission Tariff.

F. Definitions

The following definitions apply to this schedule:

1. Applicant: The entity requesting service under this rate schedule.
2. Distribution Wheeling: The transfer of Merchant Generator power at 12 kV, 21 kV, or 69 kV for delivery to a third party outside SMUD service territory.

G. Electrical Interconnection

Applicant must also make a request for interconnection that complies with SMUD's Rule and Regulation 21 process for interconnection, and must meet the requirements of Rule and Regulation 21, which include executing an Interconnection Agreement with SMUD. Any resources *not* meeting the Rule and Regulation 21 requirements will not be eligible for service under this schedule.

H. Metering Requirements

Distributed generation resources receiving service under this schedule shall comply with all applicable rules in installing metering equipment appropriate for full output monitoring agreements, and which can be read daily by electronic means acceptable to SMUD. The customer shall be responsible for procuring and maintaining any communication link required by SMUD for retrieving meter data.

IV. Line Losses

Merchant Generators taking service under this rate schedule will be assessed a line loss factor. Line losses will be applied as the electricity transitions from one voltage level to another. The line losses by voltage level are as follows:

<u>Voltage Level</u>	<u>Loss Factor</u>
12/21kV	4.06%
69kV	1.53%

SMUD reserves the right to update the line loss factor annually on January 1.

Line losses will be applied to the amount of generated electricity that is measured at the point of interconnection between the Merchant Generator's facility and SMUD's electrical system.

(End)

Feed-In Tariff for Distributed Generation Rate Schedule FIT

I. Applicability

This Tariff 1-FIT is optional for customers who wish to sell to SMUD the power output from an eligible small-scale Distributed Generation Resource, with capacity of not more than 5 MW, as defined in the Conditions of Service section of this schedule.

Service under this schedule is on a first-come, first-served basis until the combined rated generation capacity within SMUD's service territory reaches 100 MW. Feed-in Tariff procedures are available in SMUD Policy and Procedure 8-04 and are available at SMUD's website, www.smud.org. This schedule is available to the entire service territory.

SMUD's General Manager is authorized to develop, implement, and revise the Feed-in Tariff procedures from time to time.

II. Distributed Generation Feed-In Tariff Cost Components

Under this schedule, SMUD will pay the eligible distribution generator the applicable price for metered electricity delivered during the time periods specified for the chosen contract term and start year. The start year is the calendar year when actual commercial operation begins.

The FIT prices will be posted on the SMUD website, www.smud.org, with prices differentiated by:

- Project start date;
- Contract term; and
- Time-of-delivery (TOD).

The FIT prices reflect SMUD's underlying marginal costs for procurement and delivery of comparable power during the specified terms and time periods. For customers with eligible renewable generation facilities, the FIT prices for electricity delivered to SMUD will include the following components:

- Market Energy Price including losses
- Ancillary Services
- Generation Capacity
- Transmission
- Subtransmission Capacity
- Projected cost offsets associated with avoided greenhouse gas mitigation.
- Estimates of risk avoidance from future natural gas price increases.

The FIT prices shall be periodically, but not less frequently than one time per calendar year, reviewed and adjusted based on the criteria set forth above.

Feed-In Tariff for Distributed Generation Rate Schedule FIT

III. Time-of-Delivery Periods

The time periods in this tariff are defined as follows:

Time of Delivery	Months	Super-Peak	On-Peak	Off-Peak
Summer	June - Sept	2:00 to 8:00 p.m. Mon – Sat except holidays	6:00 a.m. to 2:00 p.m. and 8:00 p.m. to 10:00 p.m. Mon - Sat except holidays	All other hours
Fall and Winter	Oct - Feb			
Spring	Mar - May			
Holidays	New Year's Day..... January 1 Memorial Day Last Monday in May Independence Day July 4 Labor Day First Monday in September Thanksgiving Day Fourth Thursday in November Christmas Day December 25			

IV. Conditions of Service

A. Required Contract

Distributed generation resources accepting service under this tariff shall execute a power purchase agreement (PPA) with SMUD.

B. Duration of Term

This tariff shall be offered for contract durations of 10, 15 or 20 years at the option of the customer.

C. Participation in Other SMUD Programs

Customers taking service under this schedule may not also obtain benefits from any of the following:

1. A power purchase agreement with SMUD for deliveries from the same facility;
2. Incentives from SMUD under customer programs implemented in compliance with SB1 requirements or similar program; or
3. The net metering option for energy deliveries from the same facility.

D. Environmental Attributes

A distributed generation resource accepting service under this tariff will deliver to SMUD both the electricity generated and any environmental attributes associated with that energy.

E. Definition

Eligible Renewable Generation Resource

An electric generating facility as defined in Public Utilities Code Section 399.12 and California Public Resource Code Section 25741, as either code provision may be amended or supplemented from time to time.

Feed-In Tariff for Distributed Generation Rate Schedule FIT

F. Electrical Interconnection

Distributed generation resources receiving service under this tariff shall be interconnected within SMUD's service territory and shall be required to comply with SMUD's Rule and Regulation 21 process for interconnection. Any resources not meeting the Rule and Regulation 21 requirements will *not* be eligible for service under this schedule.

G. Metering Requirements

Distributed generation resources receiving service under this tariff shall comply with all applicable rules in installing metering equipment appropriate for full buy/sell or excess sale agreements, and which can be read daily by electronic means acceptable to SMUD. The customer shall be responsible for procuring and maintaining any communication link required by SMUD for retrieving meter data.

(End)

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Combined Heat and Power (CHP) Distributed Generation Rate Schedule CHP

I. Applicability

This Rate Schedule 1-CHP is optional for customers who wish to sell all excess generation to SMUD from an eligible Combined Heat and Power (CHP) generation facility with a capacity of 3 MW or less operating in parallel with SMUD’s distribution system, or with a capacity of 20 MW or less operating in parallel with SMUD’s subtransmission system. The facility must continuously meet the qualifications in Section IV General Conditions. This schedule applies solely to the excess generation delivered to SMUD.

II. Pricing Structure

Under this schedule, SMUD will pay the customer the applicable price for metered energy delivered by the eligible CHP facility during the time periods specified in this schedule.

A. Excess Generation Prices

The CHP excess generation prices will be posted at SMUD’s website, www.smud.org. Prices will be differentiated by delivery voltage, season and time-of-day. CHP excess generation prices will be reset each January 1 and apply for that calendar year to all CHP excess generation delivered to SMUD, regardless of the date of the CHP commissioning and interconnection to SMUD’s system, or the effective date of the Power Purchase Agreement (PPA) and Interconnection Agreement.

The CHP excess generation prices reflect SMUD’s underlying avoided costs for procurement and delivery of comparable power during the specified terms and time periods. The avoided cost is made up of the following components:

- Market Energy Price
- Losses by voltage level
- Transmission and Distribution

SMUD will typically pay for CHP excess generation based on the voltage at the point of delivery to the SMUD system. However, to the extent that SMUD must step up the excess generation to a higher voltage level in order to serve its customers, the pricing for the excess CHP generation will be based on the higher voltage level.

B. Time-of-Delivery Periods

Season	Months	Super Peak	On Peak	Off Peak
Summer	June - Sept	2:00 to 8:00 p.m. Mon – Sat except holidays	6:00 a.m. to 2:00 p.m. & 8:00 p.m. to 10:00 p.m. Mon - Sat except holidays	All other hours
Fall & Winter	Oct - Feb			
Spring	Mar - May			

Off-peak pricing shall apply during the following holidays:

Holiday	Month	Date
New Year’s Day	January	1
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

Combined Heat and Power (CHP) Distributed Generation Rate Schedule CHP

III. Charges

A. Reserved Capacity Charge

The customer shall pay a monthly Reserved Capacity Charge to compensate SMUD for standing ready to supply supplemental service, backup electricity, and other services/electricity during interruptions in the CHP facility's operation. The Reserved Capacity Charge is based on the greater of the following:

- The customer's Maximum Anticipated Demand or actual monthly demand, if higher, multiplied by the Reserved Capacity Rate per kW shown below; or
- The Generator Installed Capacity of the CHP facility multiplied by the Reserved Capacity Rate per kW shown below.

Reserved Capacity Rate (per kW)	Secondary \$6.25	Primary \$4.95	Subtransmission \$2.50
---------------------------------	---------------------	-------------------	---------------------------

1. Maximum Anticipated Demand

The initial maximum anticipated demand will be the customer's maximum monthly demand in the prior 18 months at the time the PPA is executed.

2. Generator Installed Capacity

The Generator Installed Capacity of the facility will be set forth in the PPA.

3. Reset of Reserved Capacity Basis

If, at any time, the customer's actual monthly demand exceeds the Generator Installed Capacity of the CHP facility, the demand used to calculate the Reserved Capacity Charge will be reset to use the newly established demand as the basis for the charge.

B. Data Communications Charges

The customer shall be responsible for procuring and maintaining any communication link required by SMUD for retrieving meter data. Ongoing data communication charges paid by SMUD on behalf of the customer will be passed through to the customer and will appear on the customer's monthly SMUD bill.

C. Other Charges

SMUD will continue to bill for all appropriate charges under the applicable rate schedule for SMUD supplied power to the customer. These charges include without limitation System Infrastructure Fixed Charge, Electricity Usage charges, surcharges, and taxes. Site Infrastructure Charges and Summer Super Peak Demand Charges are applicable if the sum of these two charges is greater than the Reserved Capacity Charge. Each month, the Reserved Capacity Charge will be compared to the sum of the Site Infrastructure Charge plus any Summer Super Peak Demand Charge. On the monthly bill, the customer will be charged the greater of the two calculations, but not both. The monthly bill will also include applicable metering and data communications charges.

IV. Conditions of Service

A. Eligible CHP Facility

To be eligible for this schedule, the CHP facility shall maintain without interruption certification by the California Energy Commission (CEC) as outlined in the CEC's "Guidelines for Certification of Combined Heat and Power Systems Pursuant

Combined Heat and Power (CHP) Distributed Generation Rate Schedule CHP

to the Waste Heat and Carbon Emissions Reduction Act - Public Utilities Code, Section 2840 *Et Seq.*” . CHP systems placed into operation before January 1, 2008 are not eligible for this schedule.

B. Territory

The CHP facility must be located entirely within SMUD’s service territory.

C. Required Contract

An eligible CHP facility operating under this schedule shall execute a Power Purchase Agreement (PPA) with SMUD. The PPA shall be offered for contract durations of up to 10 years at the option of the customer.

D. Participation in Other SMUD Programs

An eligible CHP facility operating under this schedule may not also obtain benefits for the same facility from any of the following:

1. A separate contract with SMUD for deliveries from the same facility; or
2. Incentives from SMUD under customer programs implemented in compliance with SB1 requirements or similar program; or
3. The net metering option for energy deliveries from the same facility.

E. Electrical Interconnection

An eligible CHP facility under this schedule shall be interconnected within SMUD’s service territory and shall be required to comply with SMUD’s Rule and Regulation 21 process for interconnection and execute an Interconnection Agreement with SMUD. Facilities not meeting the Rule and Regulation 21 requirements will **not** be eligible for service. Any costs for system upgrades and facilities required for interconnection are the responsibility of the customer.

F. Metering Requirements

The eligible CHP facility operating under this schedule shall comply with all applicable rules in installing, at the customer’s expense, a bi-directional time-of-use meter appropriate for excess sale agreements, that can be read daily by electronic means acceptable to SMUD. SMUD will pay for and install a gross output meter to measure the generator output and provide for SMUD data requirements. The customer shall provide and pay for the meter socket and cabinet, and all required current transformers and potential transformers.

G. Energy and Green Attributes

The customer shall, in accordance with the terms and conditions of the PPA, provide and convey to SMUD excess energy produced by the eligible CHP facility net of all station use and any and all site host load. Such conveyance shall include all related Green Attributes.

(End)

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Definitions

Rule and Regulation 1

Applicant

A person, corporation, or agency in whose name service is rendered for a particular account as evidenced by the signature on the application, by contract or by verbal request for service. In the absence of a signed instrument, a customer will be identified by the receipt and payment of bills regularly issued in the name of the person, corporation, or agency, regardless of the identity of the actual user(s) of the service.

Connected Load

The sum of the rated capacities of all of the customer's equipment that can be simultaneously served by electricity supplied by SMUD.

Contract Capacity

A nonvariable maximum kW to be used for customer billing purposes. At SMUD's sole discretion the nonvariable maximum kW may be based on either 1) a customer-tailored rate agreement, or 2) the maximum load a customer can receive based on the following applicable options:

1. Capacity rating of an interconnected, customer-owned generator (Generator Installed Capacity); or
2. Capacity rating of a customer-requested or customer-dedicated transformer (Transformer Installed Capacity); or
3. SMUD sizing of customer-related equipment based on customer's application for service or actual service; or
4. The customer's connected load metered or aggregated at a single point.

Customer

The person, corporation or agency in whose name service is rendered for a particular account as evidenced by the signature on the application, contract or verbal request for service. In the absence of a signed instrument, a customer shall be identified by the receipt of bills regularly issued in the name of the person, corporation or agency or the actual user(s) of the service.

Customer-owned Generation

An electric generator, owned by the customer, interconnected with, and operated in parallel with, SMUD's facilities.

Demand

The delivery of power to the customer at defined point in time and measured in kW.

Energy

The measure of power (kW) over a period of time (hour), referred to as kilowatt-hour or kWh

Generator Installed Capacity

The nameplate rating of a customer-owned generator. For photovoltaic generation facilities, generation capacity is measured using the California Energy Commission Alternating Current (CEC AC) rating. For all other electrical generation facilities, the nameplate Alternating Current (AC) rating will be used to measure generation capacity.

Heat Pump

A unit for space conditioning which is capable of heating by refrigeration and which may or may not include the capability for cooling. Heat pumps may utilize auxiliary resistance heating to the extent required by standard design techniques.

Interval Data

The meter measures and stores the amount of energy delivered to the customer or the customer's energy usage for fixed intervals of time. The meter records the date and time period of each interval as well.

Nonagricultural Irrigation

The irrigations of areas such as highway landscaping and golf courses.

Definitions

Rule and Regulation 1

Peak Demand

The maximum 15-minute delivery of power to the customer during the defined period, measured in kW.

Power Factor

The percent of total power delivery (KVA) which does useful work. For billing purposes, power factor is defined as the ratio of active power (KW) to apparent power (KVA). The formula to determine power factor is:

$$\text{Power Factor} = \frac{\text{KW}}{\text{KVA}}$$

where: $\text{KVA}^2 = \text{KVAR}^2 + \text{KW}^2$ KW = maximum monthly billing demand KVAR = maximum monthly billing KVAR demand

Power Theft

Energy Theft – The use or receipt of the direct benefit of all or a portion of electrical service with knowledge of, or reason to believe that, a diversion, tampering, or unauthorized connection existed at the time of the use or that the use or receipt was without the authorization or consent of SMUD.

Diversion – To change the intended course of electricity without the authorization or consent of SMUD.

Tampering – To rearrange, injure, alter, interfere with, or otherwise prevent from performing normal or customary function, any property owned by SMUD for the purpose of providing utility services.

Unauthorized Connection – To make, or cause to be made, any connection or reconnection with property owned or used by SMUD to provide utility service without the authorization or consent of SMUD.

Unauthorized Use – Unauthorized use is defined as the use of electricity in noncompliance with SMUD's normal billing practices or applicable law. It includes, but is not limited to meter tampering, unauthorized connection or reconnection, theft, fraud, and intentional use of electricity whereby SMUD is denied full compensation for electric service provided.

Ratcheted Demand

The highest kW recorded over the past twelve months.

Rate Charges

Charges that may include the following:

System Infrastructure Fixed Charge – That portion of the charge for service which is a fixed amount without regard to connected load, maximum demand, or electricity usage in accordance with the rate.

Site Infrastructure Charge – That portion of the charge which applies to site-related distribution facilities.

Maximum Demand Charge – That portion of the charge which varies with the billing demand in accordance with the rate.

Electricity Usage Charge – That portion of the charge for service which varies with the quantity of electricity consumed in accordance with the rate.

Standby Charge – That portion of the charge for standby service which is a fixed amount based on the maximum load SMUD stands ready to supply in accordance with the rate.

Rating of Installations

The ratings that are established by the higher of the manufacturer's name-plate rating or actual test, at the option of SMUD.

Reserved Capacity Charge

The charge assessed when a customer operates a combined heat and power facility interconnected to SMUD's system and SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator

Definitions

Rule and Regulation 1

maintenance service.

Resistance Heating

Any apparatus employing the resistance of conductors to transform electric energy into heat.

Site Infrastructure Charge

A component of SMUD's monthly billing for most commercial customers which is presently based on the twelve months maximum demand. This charge is levied to cover the fixed cost of capacity related facilities such as transmission and distribution facilities.

Subordination

The process by which a creditor is placed in a lower priority for the collection of its debt from its debtor's assets than the priority the creditor previously had.

Super Peak Demand Charge

A component of some of the time-of-use (TOU) rate bills to recover, levied during the summer months of June through September based on super peak hours that are specified in the general service TOU rate schedules.

System Infrastructure Fixed Charge

The monthly flat rate charge that covers a small portion of the shared fixed costs necessary to run SMUD operations, including service drops, transformers, trucks, and the customer call center. All SMUD customers contribute and benefit from the upkeep of these services and resources

Transformer Installed Capacity

The power handling capability of a customer-requested or customer-dedicated transformer with an assumed unity power factor; expressed in kVa.

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Service Conditions Rule and Regulation 2

I. Description of Service

Subject to conditions listed below, single-phase or three-phase service will be supplied as required by the customer in accordance with appropriate rates.

1. Voltage supplied will be designated by SMUD.
2. Single-phase service will not be supplied to customers whose panel capacity exceeds 100 kVA.
3. Three-phase service will not be supplied to motor loads of less than 7-1/2 kW, except where three-phase secondary facilities are available at applicant's service location, or where applicant for three-phase service contributes the net estimated installed cost of such facilities (exclusive of meter and service) or such part of the net estimated installed costs as SMUD may consider equitable.

Alternating current service of approximately 60 hertz frequency will be supplied at the following standard voltages:

<u>Secondary Voltages</u>		<u>Primary Voltages</u>	<u>Subtransmission</u>
<u>Single-Phase</u>	<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Three-Phase</u>
120	208Y/120	12,000Δ	69,000Δ
120/240	240Δ/120	20,800Δ	
208Y/120	480Y	20,800Y/12,000	
	480Y/277		
	4160/2400Y		

SMUD will endeavor to maintain its frequency and its service voltage within reasonable limits, but does not guarantee same.

II. Conditions of Service

A. Interference with Quality of Service

If in SMUD's judgment there is an interference with the quality of service supplied to neighboring customers, resulting from the customer's noncompliance with any of the provisions of this rule, SMUD may require the customer to provide at his or her own expense such special or additional equipment as is required, or SMUD may provide such equipment if customer pays the net estimated installed cost of such equipment. In lieu of payment of such estimated net cost, the customer may, at SMUD's option, execute a contract providing for the rental of such equipment under terms and conditions satisfactory to SMUD. If customer refuses to rent, or to provide his or her own corrective equipment, or to reimburse SMUD for the cost of such additional or special equipment as is required to eliminate interference with the quality of service to neighboring customers resulting from the customer's operations, SMUD may refuse or discontinue the customer's service.

B. Phase Balancing

Where three-wire single-phase, or three-wire three-phase, or four-wire combination single-phase and three-phase service is supplied, the load must be balanced as nearly as practicable between the two sides or several phases, respectively. In no case is the load on one side of a three-wire single-phase service to be greater than twice that on the other, or the load on any one phase of a three-phase star service greater than twice that on the other phase.

C. Clear Working Space at Electrical Equipment

1. For the safe operation and maintenance of high voltage electrical equipment, an 8-foot clear area must be maintained in front of all operable sections of the equipment.
2. Corrective Action: Customer or owner shall, at the customer's or owner's expense, either correct the access or clearance infractions or pay SMUD its total estimated cost to correct the access or clearance or to relocate its facilities to a new location that is acceptable to SMUD. Customer or owner shall also be responsible for the expense to relocate any equipment that the customer or owner owns and maintains. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service.

Service Conditions Rule and Regulation 2

III. Special Conditions

A. Voltage Control Within Special Limits

Where customer desires voltage control within unusually close limits, SMUD may require customer to provide at his or her own expense such special or additional equipment as required, or SMUD may provide such equipment if customer pays the net estimated installed cost of such equipment.

B. Welders

SMUD will provide service, at the applicable rate and without additional compensation, to welding equipment of the limited input type that conforms to the standards of the National Electrical Manufacturers Association (NEMA) and has a maximum input (primary) current rating not exceeding 12 amperes at 120 volts or 50 amperes at 208 or 240 volts.

Welding equipment that does not meet the standards of NEMA, or that exceeds in input rating 12 amperes at 120 volts or 50 amperes at 208 or 240 volts, will also be served at the applicable rate without additional charge, provided that service to such welders has no detrimental effect on service to neighboring customers.

C. Motor Generator Sets and Rectifiers

Motor generator sets and rectifiers shall be considered as power apparatus and shall be rated, for the purpose of determining charges, on the manufacturer's input rating of the set or, at SMUD's option, by actual test.

D. Motor Protective Devices

All motor installations shall have protective apparatus or construction within the motor to accomplish equivalent protection as follows:

1. Motors that cannot be safely subjected to full-rated voltage at startup shall be provided with a device to ensure that on failure of voltage, such motors will be disconnected from the line.
2. Suitable overload and over-current running protection shall be provided for each motor so as to disconnect the motor from the line to protect it from damage caused by overheating.
3. Phase reversal and open-phase protection is recommended on all three-phase installations and is required for such installations involving elevators, hoists, and similar equipment to disconnect motors from the line in the event of phase reversal or opening of one phase.

E. Motor Starting Limitations

1. Single-Phase

a. Automatically controlled, single-phase motorized equipment (except as provided in paragraphs b. and c. below) shall be equipped with motors having locked-rotor currents not in excess of the following:

- 50 amperes at 120 volts
- 80 amperes at 208 volts
- 100 amperes at 240 volts

b. Manually controlled, single-phase motorized equipment (except as provided in paragraph c. below) shall be equipped with motors having locked-rotor currents not in excess of the following:

- 100 amperes at 120 volts
- 160 amperes at 208 volts
- 200 amperes at 240 volts

Room air conditioners, because of their long operating cycles and infrequent starts, even though automatically controlled, will be governed by the limitations of this paragraph.

c. Motors having locked-rotor currents in excess of those allowed by paragraphs a. and b. above may be permitted upon SMUD's written approval.

Service Conditions Rule and Regulation 2

2. Three-Phase

- a. Automatically controlled three-phase motors shall comply with all applicable NEMA electrical standards and shall have maximum locked-rotor currents not in excess of the following:

- 777 amperes at 208 volts
- 673 amperes at 240 volts
- 337 amperes at 480 volts

Maximum permissible current values listed apply to an installation of a single motor. (These values permit, in general, a 50-hp NEMA standard motor.)

- b. Manually controlled three-phase motors shall comply with all applicable NEMA electrical standards and shall have maximum locked-rotor currents not in excess of the following:

- 1554 amperes at 208 volts*
- 1346 amperes at 240 volts*
- 673 amperes at 480 volts
- 135 amperes at 2400 volts

*Operation of motors rated 60 hp or larger is not recommended at these voltages.

Maximum permissible current values listed apply to an installation of a single motor. (These values permit, in general, a 100-hp NEMA standard motor.)

- c. Three-phase motors, to be used where large loads or special conditions exist, may, upon approval of SMUD, have locked-rotor currents in excess of those allowed by paragraphs a. and b. above.
- d. Motors having maximum locked-rotor currents exceeding those stated in paragraphs a. and b. above may be operated if used in conjunction with current-limiting devices designed to limit the starting currents to the above specified maximum values.
- e. Current-limiting devices may be omitted on the smaller motors of a group installation when their omission will not result in a starting current in excess of the allowable starting current of the largest motor of the group.
- f. The customer should make certain that his or her own electrical system is capable of handling the locked-rotor currents permitted without excessive voltage drop.

F. Power Factor Correction

In the case of neon, luminous, gaseous or mercury vapor lamps or tubes, electric welders, and other devices having low power factors, the customer may be required to provide, at his or her own expense, power factor corrective equipment to increase the power factor of any such devices to not less than 90 percent.

G. Special Voltage Requirements

1. Single-phase, two-wire, 120-volt service will not be supplied where more than two 15-ampere branch circuits are connected to such service.
2. Individual three-phase motors less than 50 hp (or less than 30 hp when used for agricultural or drainage purposes) or groups of such motors less than 150 hp will generally be supplied at 208 or 240 volts.

H. Harmful Wave Form

Customer shall not operate equipment that superimposes a current of any frequency or wave form upon SMUD's system or draws current from SMUD's system of a harmful wave form, which causes interference with SMUD's operations, the quality of service to other customers, or interference to communication facilities. Harmful wave forms shall be defined as those that exceed IEEE Standard 519-1992 (IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems).

I. Transfer Switch Equipment

In the case where the customer receives power from multiple sources, SMUD shall inspect all transfer equipment before SMUD service is allowed. The customer shall design, install, operate, and maintain the transfer switch equipment according to SMUD's Protection Practices No. DPP-601 or No. DPP-602. Transfer switch equipment shall be accessible at all times to SMUD personnel.

SACRAMENTO MUNICIPAL UTILITY DISTRICT
Resolution No. **13-xx-xx** adopted August __, 2013

Sheet No. **2-02-3**
Effective: **January 1, 2014**
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Service Conditions Rule and Regulation 2

IV. Special Facilities

- A. SMUD normally installs only those standard facilities that it deems are necessary to provide regular service in accordance with the applicable rate schedules, rules and regulations. Where a customer requests SMUD to install special facilities and SMUD agrees to make such an installation, the additional costs thereof shall be borne by the customer, including such continuing service costs as may be applicable.
- B. Special facilities are (a) facilities or value-added services equipment requested by a customer that are in addition to or in substitution for standard facilities that SMUD would normally provide for delivery of service at one point, through one meter, at one voltage class under its rate schedules, rules and regulations; or (b) a pro rata portion of the facilities or value-added services requested by a customer, allocated for the sole use of such customer, which would not normally be allocated for such sole use. Unless otherwise provided by SMUD's applicable rates, rules and regulations, special facilities will be installed, owned, and maintained or allocated by SMUD as an accommodation to the customer only if acceptable for operation by SMUD and the reliability of service to SMUD's other customers is not impaired.
- C. Special facilities will be installed under the terms and conditions of a contract. Such contract will include, but is not limited to, the following terms and conditions:
 1. The customer shall pay a monthly cost-of-service charge for the special facilities based on the installed cost of the special facilities. Where existing facilities are allocated for a customer's use as special facilities, the customer shall pay a monthly cost-of-service charge. This monthly cost-of-service charge shall be assessed on the estimated installed cost of that portion of the existing facilities that is allocated to the customer.

Special Facilities Rates

	Applied to nonstandard portion of electrical equipment, facilities, redundant service, customer-requested redundancy, vaults, or service upgrades.				
Select One:	<input type="checkbox"/> Option One		<input type="checkbox"/> Option Two		<input type="checkbox"/> Option Three
	Monthly lease with advance		10-year renewable lease	One-time payment	
Average Life	Minimum Advance per \$1,000	Monthly Cost per \$1,000	Cost at beginning of each 10 th year per \$1,000	Cost per \$1,000	
10-14	\$200	\$24.15	\$2,148	\$4,375	
15-19	\$150	\$17.25	\$1,534	\$3,125	
20+	\$100	\$12.94	\$1,151	\$2,344	
Transmission 20+	\$100	\$11.64	\$1,036	\$2,109	

2. All monthly service charges shall be reviewed when changes occur in SMUD's cost of providing such service.
3. The calculation of the annual special facilities charge will be based on the replacement cost new of the customer specific equipment. This includes direct labor, departmental loadings, benefit loadings, and related design work. The replacement cost new is multiplied by the annual economic carrying charge corresponding to the appropriate expected service life. This resulting value is divided by 12 to create monthly payments. This rate may be changed in response to changes in the cost of capital or fluctuations in the replacement cost new of any piece of equipment.
4. Customers selecting option one "Monthly lease with advance," will be required to pay a nonrefundable advance of no less than 10 percent of the installed cost of the new equipment as determined by SMUD. Depending on the financial viability and credit-worthiness of the firm SMUD may require up to a 75 percent advance payment. This advance in no way affects the full-cost calculation of fees and shall not reduce the monthly cost-of-service charge.
5. Commercial and residential developers will remain subject to all conditions covered in Rules 15 and 16.
6. Previously installed services that exceed standard installation will be reviewed by SMUD and the customer. The customer will elect the desired service requirements when services exceed standards. Consideration will be given for any previous customer contributions in reaching an agreeable monthly service rate for special facilities.

(End)

Application for Service Rule and Regulation 3

I. Information Required

SMUD may require each prospective customer when applying for service to furnish the following information:

1. Legal name of applicant.
2. Location of premise.
3. Date applicant will be ready for service.
4. Whether SMUD has previously supplied service to the premise.
5. Purpose for which service is to be used, with description of appliances to be served.
6. Address to which bills are to be mailed or delivered.
7. Whether applicant is owner, agent, or tenant of premise.
8. Rate desired, if optional rate is available.
9. Information to establish credit of applicant, including a social security number, taxpayer ID, or other form of legal identification.
10. Such other information as SMUD may reasonably require.

The application is merely a request for service and does not in itself bind SMUD to serve except under reasonable conditions, nor does it bind the customer to take service for a longer period than the minimum requirements of SMUD's Rates, Rules and Regulations. SMUD may disconnect or refuse to provide service to the applicant if the acts of the applicant or the conditions upon his or her premise indicate that false, incomplete, or inaccurate information was provided to SMUD. SMUD shall provide the applicant the reason for such refusal. If the customer refuses to provide a social security number, a taxpayer ID or fails to provide verifiable identification, a deposit may be required as provided in Rule and Regulation 6.

II. Individual Liability for Joint Service

Where two or more persons join in one written or oral application or contract for electric service, in person, by telephone, or online, such persons shall be jointly and severally liable thereunder and shall be billed by means of a single periodic bill mailed to the person designated on the application to receive the bill. Whether or not SMUD obtained a joint application, where two or more adults are living in the same residence, they shall be jointly and severally liable for bill for electric energy supplied.

III. Change of Customer's Apparatus or Equipment

In the event that the customer shall make any material change either in the amount or character of the electrical equipment installed upon his or her premise to be supplied with electric energy by SMUD, the customer shall immediately give SMUD written notice of this fact.

IV. Service to Annexation Customers

Customers owning existing electric facilities that comply with Pacific Gas and Electric Company service rules and regulations, at the time of annexation, will be accepted for service by SMUD without modification of their facilities. Customers whose facilities do not comply with Pacific Gas and Electric Company service rules and regulations, at the time of annexation, may be required to modify those facilities to meet SMUD's minimum qualifications. Any change made to facilities after annexation must conform to SMUD's service rules and regulations.

V. Conditions of Service

By applying for or accepting service from SMUD, a customer agrees to abide by all of SMUD's Rates, Rules and Regulations concerning such service, to provide any rights of way across his or her own property that SMUD may deem necessary to supply such service, and to cooperate with SMUD in its construction and maintenance of the facilities needed for such service. SMUD may bill the customer for any costs resulting from the customer's failure to comply with the provisions of this paragraph.

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Contracts Rule and Regulation 4

Contracts for Service

Contracts will not be required as a condition precedent to service except:

1. As may be required by conditions set forth in the regular schedule of rates adopted by SMUD.
2. In the case of electric service of a temporary or speculative nature, a contract may be required for a period not to exceed three years.
3. In the case of street lighting service, a contract may be required for a period not to exceed 15 years.
4. In the case of seasonal customers whose monthly use of electricity during the year varies greatly and from whom contracts are not otherwise required, a contract may be required for a period of one year.
5. Where customer's power requirements are unusually large and an economic hardship may be imposed upon SMUD, a contract may be required for a period that, in SMUD's judgment, is commensurate with the size of the power requirements involved.
6. Where the customer desires SMUD to connect to a customer-owned generation facility that is rated larger than 100 kW.

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Billing, Payment of Bills, and Credit Rule and Regulation 6

I. Billing Period

Customer bills will normally be rendered for scheduled billing periods of approximately one month. For the purposes of prices, a "month" is considered to be a single billing period of 27 to 34 days. Bills for electric service will be based upon 1) electronic meter data, 2) meter readings where the customer has opted-out of smart metering, or 3) estimates as provided in section II. below.

II. Metering for Billing Purposes and Use of Estimated Consumption

Data from two or more meters will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

Where the monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operations, SMUD may, with customer's consent, calculate electricity consumed in lieu of providing metering equipment. The calculated electricity consumption will be billed at the average of the Nondemand Rate (GSN_T) annual electricity usage charges (Rate Category GFN).

Where metering equipment fails or an accurate meter reading is not obtained, SMUD may estimate demand or energy, or both, for the period of service involved and use such estimates in computing a bill, in accordance with Rule and Regulation 17.

III. Use of Contract Capacity for Billing

Where a customer has requested dedicated service, or is utilizing less than 50 percent of equipment sized specifically to meet the customer's load, or requires service of 10 MW or greater, SMUD may, at its sole discretion, ensure cost recovery (or marginal cost recovery for equipment utilization of less than 50 percent) of the distribution facilities capacity by billing the Site Infrastructure Charge based on the applicable Contract Capacity.

IV. Payment of Bills

All customer bills are payable upon presentation to the customer. Payment shall be made at the office of SMUD, at any of the pay stations that SMUD may designate, to any of its duly authorized collectors, by customer initiated electronic means, or by SMUD customer assisted electronic means. Customer bills, with the exception of public entities, that remain unpaid 19 business days from the date of issuance will be regarded as delinquent.

Public entity customer bills that remain unpaid 30 business days from the date of issuance will be regarded as delinquent.

"Public entity" includes Federal agencies, State of California, University of California, California State University, a county, city, district, special district, public authority, public agency and any other political subdivision of the State of California.

V. Payment of Delinquent Bills Required Before Service Is Supplied

Service may be refused or discontinued pursuant to Rule and Regulation 11 until all unpaid charges for electric service to applicant at all locations have been paid or have otherwise been discharged, or have been barred by the statute of limitations, except that residential service may not be refused or discontinued because of nonpayment of bills for other classes of service or nonelectric bill amounts.

VI. Establishment of Credit

A. Residential Customers

Residential credit will be deemed established without benefit of a cash deposit, pursuant to Rule and Regulation 3, until such time as the residential customer fails to maintain credit to SMUD's satisfaction.

B. Commercial Customers

Commercial customers may:

1. Pay a cash deposit; or
2. Furnish a bond satisfactory to SMUD; or

Billing, Payment of Bills, and Credit Rule and Regulation 6

3. Provide evidence of previous commercial utility service in the exact same name with either SMUD or a gas or another electric utility within the last 12 months where credit was established and maintained within SMUD's criteria. If such evidence is not supplied within 10 days of the service start date or if SMUD determines that it is not accurate, SMUD can require a deposit as a condition of further service.

VII. Maintenance of Credit

A customer's credit may be deemed to be no longer maintained to SMUD's satisfaction if such customer has 1) one or more delinquent bill payments during the last 12 months, 2) one or more returned payments in the last 12 months, 3) been disconnected for nonpayment, 4) defaulted on an installment, or 5) an unpaid closed account. Identification information, including social security numbers, of customers with delinquent accounts may be reported to credit reporting agencies as part of the customary collection practice.

A customer receiving service may be required to re-establish credit in the event conditions of service or conditions affecting the customer's credit have materially changed.

VIII. Deposit Required Where Credit Not Established or Maintained

Where a customer or an applicant for service does not satisfactorily establish and maintain credit in accordance with sections VI. and VII. a deposit may be required as security for the payment of bills. SMUD may, in accordance with Rule and Regulation 11, discontinue service if the customer fails to make such deposit as requested by SMUD. The amount of such deposit for residential and commercial customers shall be the greater of 1) twice the highest estimated monthly bill or twice the highest actual customer bill; or 2) twice the average residential class monthly bill for the preceding three years, rounded to the nearest \$10, as determined and set annually by SMUD.

IX. Deposit Retention and Interest

Deposits will normally be held for a minimum of 12 months for residential and nonresidential classes of service. Deposits will be credited to the customer's account at the end of the deposit period, or earlier, at SMUD's option, if the customer has maintained credit to SMUD's satisfaction as outlined in section VII.

For active deposits, interest will be credited to the customer's account annually. The deposit must be active for 180 calendar days before interest is paid. Each February, May, August, and November the interest rate will be recalculated to the nearest full percentage below the average Six-Month U.S. Treasury Bill yield for the previous three months. Interest is prorated based on the interest rate(s) in effect from the effective date of the deposit or from the last interest paid date, whichever is later, to the review date.

Upon termination of service, SMUD will return the deposit and any accrued interest less the amount of any unpaid charges. Interest on deposits will be paid on the date of the return of the deposit or on the date of its application to the customer's account.

X. Dishonored Payments

When checks or electronic funds transfers are received as payment for electric bills, deposits or other charges, and are subsequently dishonored or rejected by the bank, SMUD may require a fee in addition to redemption of the amount of the original check or electronic funds transfer. Dishonored payments and related charges must be redeemed and paid immediately in certified funds or SMUD may thereafter discontinue service in accordance with Rule and Regulation 11 or take other appropriate action as necessary. SMUD reserves the right to determine the form of acceptable payment. SMUD will set the fee for dishonored payments annually based on average costs.

Certified funds to include, but may not be limited to:

- Cash
- Credit card payment authorized by credit card provider
- Cashier's check
- Money order

Billing, Payment of Bills, and Credit Rule and Regulation 6

XI. Late Payment Charge

A one-time late fee of 1.5 percent may be applied to the current amount due portion of a customer's bill if the customer's full payment is not received by the end of the third business day after the due date indicated on the customer bill. The total unpaid balance must be equal to or greater than \$10.00 before a late fee is applied.

XII. Delinquent Accounts

In the event a SMUD representative must make a field call or mail a disconnection notice to effect collection of a delinquent electric service bill, deposit or other charges, the customer may be required to pay a field service charge in addition to the delinquent amount. Service may be discontinued pursuant to Rule and Regulation 11 if this charge is not paid at the time of collection or by the due date of the disconnection notice. Upon restoration of a service disconnected for non-payment, the past due amount, in addition to any other related charges, must be paid in certified funds only. SMUD reserves the right to consider other payment methods as deemed appropriate. SMUD will annually set the charge for field service on delinquent accounts based on average costs.

XIII. Subordination Fee

The cost of subordination will be charged to the property owner for each subordination required in a real estate transaction where SMUD has a recorded UCC-1 filing resulting from a SMUD energy efficiency loan. The subordination fee will be established to recover SMUD's average cost of subordination and may be revised from time to time to reflect changes in subordination costs.

XIV. Customer Service Assisted Payment Fee

A customer service assisted payment is the result of a SMUD representative drafting customer bill payment(s) from a credit card, checking account or savings account. When a customer requests for the payment of any bill owed to SMUD a customer service assisted payment there will be a transaction fee. The transaction fee is based on the average cost of providing such service. Fee schedules are available at the SMUD website, www.smud.org.

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Notices and Communications Rule and Regulation 8

I. Notices to Customers

Any notice, refund of deposit, or other communication SMUD may give to any SMUD customer, pursuant to the Rates, Rules and Regulations of SMUD, may be given by written notice addressed to the customer's last known address or forwarding address if one is provided. Such notice will either be delivered to that address or properly enclosed in a sealed envelope and deposited in any United States Post Office within SMUD service territory, postage prepaid, addressed to that customer's last known address.

II. Notices From Customers

Any notice from any customer to SMUD pursuant to the Rates, Rules and Regulations of SMUD may be given to SMUD by the customer in person or by customer's authorized agent at SMUD's Customer Services Department office in Sacramento, or by written notice properly enclosed in a sealed envelope and addressed to such office, postage prepaid, and deposited in any United States Post Office.

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Adjustment for Errors in Electric Bills Rule and Regulation 10

I. Investigation of Billing Error

Whenever the correctness of any bill for electric service is questioned, SMUD will cause an investigation to be made. Where the bill is questioned by the customer, SMUD may require such customer to deposit the amount of such disputed bill as evidence of good faith. Bills that do not reflect the correct charges for electric service actually rendered to the customer in accordance with applicable SMUD electric rates shall be adjusted to a correct basis as determined by SMUD's investigation.

II. Adjustment of Bills for Billing Error

A billing error is a bill that does not reflect the correct charges for electric service rendered to the customer, which may include but is not limited to incorrect meter reads or clerical errors such as applying the wrong rate and/or rate option, wrong billing factor or an incorrect calculation. Billing error does **not** include a meter error or unauthorized use; switch or mismarked meters by other than SMUD; improper customer wiring; inaccessible meter; failure of the customer to notify SMUD of changes in the customer's equipment or operation; or failure of the customer to take advantage of a rate or condition of service for which the customer is eligible and has been given notification through a bill insert.

Where SMUD overcharges or undercharges a customer as a result of a billing error, SMUD may render an adjusted bill for the amount of the undercharge, without interest, and shall issue a refund or credit to the customer for the amount of the overcharge, without interest, for the period of the billing error, but not to exceed three years from the date of discovery in the case of an undercharge or overcharge.

III. Adjustment of Bills for Meter Error

Adjustments to bills for meter error shall be made in accordance with the provisions of Rule and Regulation 17.

IV. Adjustment of Bills for Unauthorized Use

Where SMUD determines that there has been unauthorized use of electric service, SMUD may bill the customer for SMUD's estimate of such unauthorized use for the substantiated period of the infraction. Nothing in this rule shall be interpreted as limiting SMUD's right under any provisions of any applicable law.

V. Limitation on Adjustment of Bills for Energy Use

For any error in billing not defined as a billing error, meter error, or unauthorized use, SMUD is not required to adjust the bill. However, any billing adjustment not specifically covered in the rules and regulations for an undercharge or overcharge shall not exceed three years from the date of discovery.

Where information required for correct billing is not subject to exact determination or is questioned, SMUD shall make such estimates as may be necessary by means of tests, analysis, or inquiry in a manner and to the extent SMUD considers appropriate in the circumstances.

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Discontinuance, Energy Theft, and Restoration of Service Rule and Regulation 11

I. Discontinuance of Service by SMUD

SMUD may discontinue or refuse to establish or restore electric service for any one or more of the reasons contained in this rule and regulation. Except as otherwise specifically provided herein, seven days written notice will be given before service is discontinued.

A. Nonpayment of Bills

SMUD may discontinue or refuse service if a customer has not paid bills, deposit, or other charges in accordance with the provisions of Rule and Regulation 6, except that service to a residential customer will not be discontinued because of nonpayment of bills for other classes of service or nonpayment of nonelectric bill amounts. Identification information, including social security numbers, of customers with delinquent accounts may be reported to credit reporting agencies as part of the customary collection practice.

B. Failure to Establish or Re-Establish Credit

SMUD may refuse service or refuse to re-establish service to a customer who has not made a credit deposit or otherwise establish his or her credit in accordance with Rule and Regulation 6.

C. Unsafe or Illegal Apparatus

SMUD may discontinue or refuse service if any part of customer's wiring or equipment, or use thereof, is either unsafe or in violation of law, until such apparatus shall have been placed in a safe condition or the violation remedied. If, in SMUD's judgment, operation of customer's equipment constitutes a dangerous condition, SMUD may discontinue service without notice.

D. Service Detrimental to Other Customers

SMUD may discontinue or refuse service if, in SMUD's judgment, the operation of customer's equipment is, or will be, detrimental to the service of other customers.

E. Fraud

SMUD may discontinue service without notice or may refuse service if the customer's actions or the condition of his or her premise are such as to indicate intent to defraud SMUD.

F. Noncompliance

SMUD may discontinue or refuse service if customer does not comply with SMUD's rules and regulations.

II. Discontinuance of Service at Customer's Request

When a customer desires to terminate his or her responsibility for service, the customer shall notify SMUD not less than three days in advance, or such period in advance as may be specified in customer's contract for service, and state the date on which the customer wishes the termination of such responsibility for service to become effective. A customer may be held responsible for all service furnished at his or her premise until the date of termination specified in the notice, or a date three days beyond the date of such notice, or such greater number of days after such notice as may be specified in such contract, whichever date is later.

III. Restoration of Service Fee

SMUD may collect a restoration fee before restoring electric service that has been discontinued for nonpayment of bills, failure to establish credit, or to prevent fraud. SMUD will set the fees annually based on average costs. In addition, SMUD may collect any incidental costs associated with discontinuance or restoration of service that result from the customer's action or negligence.

IV. Verified Energy Theft Charges or Hazardous Conditions

SMUD may charge for recovery of costs to investigate and verify cases of energy theft. In addition, crew charges may be assessed for service restoration associated with the verified energy theft or hazardous condition. SMUD will set the fees annually based on average costs. These additional energy theft charges do not limit SMUD's current ability to bill for unauthorized use (stolen power), under Rule and Regulation 10.

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Application of Rates and Rate Options Rule and Regulation 12

I. Application of Rates

Charges for electric service will be computed according to the rates adopted by SMUD and applicable to the class of service supplied to each customer. Whenever SMUD adopts new rates, it will take such measures as may be practicable to inform all customers who may be affected that such new rates are in effect. Copies of all effective rates will be available for public inspection at SMUD's office at 6301 S Street, Sacramento and on the SMUD website, www.smud.org.

Where more than one rate is applicable to service to a customer or applicant for service, SMUD will inform such customer or applicant for service of the alternative rates, and such customer or applicant shall designate which rate he or she desires. As a means of assisting a customer or applicant in selecting the most favorable rate, SMUD may make comparative calculations of charges under such alternative rates but shall not be required to do so by any customer or applicant. If the customer or applicant does not designate the rate desired, SMUD will render bills for such service according to the applicable rate that will, in SMUD's judgment, result in the lowest charge for such service.

II. Application of Rate Options

When a customer desires service on an applicable rate other than that on which he or she is being billed, the customer shall notify SMUD and the change in rate will become effective for service rendered after the next regular meter reading following the date of such notice. SMUD shall not be required to make more than one change in rate for any customer within 12 consecutive months unless a new rate is made effective or the operating conditions of such customer have changed so as to warrant a change in rate, except, however, that any such customer served on a rate with an annual minimum charge will not be permitted more than one change in rate in any 12 consecutive months.

Unless specifically provided in a rate, all SMUD rates are applicable only for service supplied entirely by SMUD without interconnection of the customer's facilities with any other source of supply.

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Temporary Service Rule and Regulation 13

I. Conditions for Temporary Service

SMUD will furnish temporary service to operations of a speculative nature or questionable permanency if the applicant for temporary service:

1. Pays to SMUD, in advance or as SMUD may direct, the estimated cost to SMUD of installing and removing all facilities specifically required for such temporary service; and
2. Establishes credit pursuant to Rule and Regulation 6.

SMUD reserves the right to charge a temporary service customer for any additional construction work needed solely for the continuation of temporary service, or to refuse service if such service would, in SMUD's judgment, prove a hardship or hazard to it or its customers.

There shall be no connection of customer-owned generation facilities under this rule.

II. Refund of Temporary Charges

Within three years of the date when service was first delivered, service will be considered permanent and payments made in excess of meter and service charges shall be refunded without interest when a customer served under this rule has requested a refund of temporary charges, and has:

1. Installed sewer, water, and foundation; or
2. Operated the same or greater electrical load originally installed for a period of 36 consecutive months from the date when service was first delivered under this rule.

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Shortage of Supply and Interruption of Delivery Rule and Regulation 14

I. Provision of Service

SMUD will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient supply of electric energy to its customers but does not guarantee continuity or sufficiency of supply. SMUD will endeavor to maintain its frequency and its service voltage within reasonable limits, but does not guarantee same. In case of shortage of supply and during the period of such shortage, SMUD will apportion its available supply of electricity among all customers in the manner SMUD deems most reasonable under the circumstances.

II. Limitation of Liability

SMUD will not be liable for interruption or shortage or insufficiency of supply, or any loss or damage of any kind or character occasioned thereby, if same is caused by inevitable accident, natural disaster or act of nature, fire, strikes, riots, war, or any other cause except that arising from SMUD's failure to exercise reasonable diligence.

III. Repairs or Improvements

Whenever SMUD shall find it necessary to make repairs or improvements to the system, it will have the right to temporarily suspend the delivery of electric energy. In all such cases, as much notice will be given as circumstances permit. Repairs or improvements will be made as rapidly as practicable and, if practicable, they will be made at such times as will produce the least inconvenience to the customers.

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Extension of Facilities to Residential Premises Rule and Regulation 15

I. Conditions of Service

Applicants for electric service will be required to provide SMUD sufficient advance notice so that service can be rendered by the time such service is desired. By applying for or accepting service from SMUD, a customer agrees to abide by all of the rates, rules and regulations of SMUD concerning such service, to provide any rights of way across the customer's own property that SMUD may deem necessary to supply such service, and to cooperate with SMUD in its construction and maintenance of the facilities needed for such service. SMUD may bill the customer for any costs resulting from the customer's failure to comply with the provisions of this paragraph. This rule and regulation shall apply to residential and public agencies developments. Mixed-use developments will be served under Rule and Regulation 16.

II. Extensions Subject to Rights of Way or Easement

SMUD extensions of distribution lines and facilities will be constructed only along public roads and highways and upon private property across which satisfactory rights of way may be obtained without cost to or condemnation by SMUD.

III. Extensions of SMUD Distribution Facilities

Extensions of electric distribution lines and facilities to the boundary of a residential development (at standard voltages specified in Rule and Regulation 2) to supply electric service to installations of a permanent character will normally be constructed, owned and maintained by SMUD at its expense. Extensions will be subject to the provisions of SMUD's rules and regulations and the provisions of the applicable rate schedule.

IV. Overhead Distribution Facilities Within a Development

Generally, overhead lines and facilities will not be extended into new developments. Where underground line construction is impractical, SMUD will, at its expense, construct, own, and maintain all necessary overhead distribution lines and facilities required to provide service.

V. Underground Distribution Facilities Within a Development

Under contracts executed with SMUD on or after September 1, 1989, SMUD will extend all distribution lines underground in all subdivisions and other areas approved by SMUD in accordance with the following provisions:

A. Single-Family Through Six-Plex Dwellings and Other Developments Where One Structure Is Planned Per Lot, and in Mobile Home Parks.

1. The developer of a residential development will, in accordance with SMUD's specifications and requirements:
 - a. Perform all necessary excavating and backfilling, including furnishing of any imported backfill material required.
 - b. Furnish and install the underground duct system (to include necessary conduits, ducts, manholes, vaults, enclosures, switchgear and transformer pads and wells, and concrete encasement of conduit where required).
 - c. Transfer ownership of such facilities to SMUD upon acceptance by SMUD.
 - d. Pay SMUD before work is begun for on-site line extension, an amount per residential lot based on the most recent three-year average cost of service rounded to the nearest \$50, adjusted annually.
 - e. Pay SMUD a nonrefundable design fee at the time a developer signs an "Agreement for Service" and a development is placed on the "Utilities Engineering Schedule."
 - f. SMUD at its option may charge residential customers the additional costs for new or upgraded service that exceeds a 200-ampere panel or for multi-phase service.
2. SMUD will install, maintain, and retain ownership of all secondary and primary conductors, transformers, switchgear, air conditioning controllers, and related equipment for the distribution system.
3. If applicant does not, within 12 months from the date on which the subdivision is placed on the SMUD Engineering list, complete construction so that SMUD facilities can be installed, the residential lot charge shall be subject to increase in accordance with any change in this rule.

Extension of Facilities to Residential Premises

Rule and Regulation 15

4. Residential developments/subdivisions may be removed from SMUD's Engineering list and canceled, together with any related jobs, if no construction activity has occurred within the ensuing 12 months from the date on which the project was placed on the Engineering list.

B. Multifamily Dwelling (Seven Units or More)

SMUD will install one or more pad-mounted transformers on the customer's premise and require the customer to construct the underground distribution facilities on his or her property as designated by SMUD in accordance with the applicable sections of Rule and Regulation 16.

C. Residential High Rise

SMUD at its option may require the developer to install and customer to maintain on-site secondary service distribution, to final service voltage, and multi-meter capable panels for unit metering at designated intervals throughout the building. SMUD will meter for losses and recover associated meter costs and losses.

VI. Service Connections – General

SMUD will connect to any one building only one service for each voltage classification, either overhead or underground, except for SMUD's operating convenience, or where, in SMUD's judgment, such additional services may be warranted because of the load requirements, or where the customer is required by law to install emergency lighting facilities. Connection of such service to, or disconnection of such service from the SMUD's lines, shall be made only by authorized SMUD employees.

A. Overhead Areas

In areas served by overhead distribution facilities, SMUD may install either an overhead or underground service. When the customer requests and SMUD agrees that an underground service can be provided, the customer shall furnish and install a service trench, conduit (including appropriate backfill), and terminating facility as designated and approved by SMUD.

B. Underground Areas

1. In those areas served by underground distribution facilities, where the individual lots are not part of a recorded subdivision, the customer shall furnish and install an underground trench, conduit (including appropriate backfill), and terminating facility as designated and approved by SMUD. SMUD will furnish and install underground services.
2. SERVICES INSTALLED PRIOR TO JANUARY 1, 1973: In those subdivisions served by underground distribution facilities, where service contracts were executed with SMUD before January 1, 1973, the customer shall furnish and install all service facilities to a point designated by SMUD. Such service facilities shall be subject to applicable City and County ordinances and the customer shall be responsible for the maintenance of all facilities not installed by SMUD.
3. SERVICES INSTALLED AFTER JANUARY 1, 1973: In those subdivisions served by underground distribution facilities, where service contracts were executed with SMUD after January 1, 1973, and prior to January 1, 1989, SMUD will furnish and install underground services. The customer shall furnish and install a service trench and conduit (including appropriate backfill) and terminating facility as designated and approved by SMUD.
4. SERVICES INSTALLED AFTER JANUARY 1, 1989: In those subdivisions served by underground distribution facilities, where service contracts are executed with SMUD after January 1, 1989, the customer shall furnish and install underground services consisting of a service trench, conduit (including appropriate backfill), service conductor, and terminating facility as designated and approved by SMUD. Upon approval of the facilities installed, it is understood that the service conductors (excluding conduit) will become the property of, and will be maintained by, SMUD.

VII. Extensions for Temporary Service

Extensions for temporary service will be made under the provisions of Rule and Regulation 13, Temporary Service.

Extension of Facilities to Residential Premises Rule and Regulation 15

VIII. SMUD Ownership of Facilities, Right of Access, and Right of Way

All facilities installed on a customer's premise, including but not limited to conductors, transformers, poles, meters, etc., which SMUD furnishes in order to render electric service, shall remain the sole property of SMUD. SMUD will maintain such facilities and shall have the right of access to the customer's premise without payment of any charge or rent therefore, at all reasonable hours for any purpose related to the furnishing of electric service. This shall include but is not limited to meter reading, testing, inspection, construction, maintenance, and repair of facilities. Upon termination of service, and for a reasonable period thereafter, SMUD shall have the right of access to the customer's premise to remove its facilities installed thereon. The customer shall grant to SMUD rights of way and rights of access satisfactory to SMUD for the installation and maintenance of the necessary electrical conductors and their connections.

IX. Customer Responsibility for Facilities

A. SMUD Facilities

The customer shall exercise reasonable care to prevent SMUD facilities installed on his or her premise from being damaged or destroyed and shall refrain from tampering or interfering with such facilities, and if any defect therein is discovered by the customer, the customer shall promptly notify SMUD thereof.

B. Customer Facilities

The customer shall be solely responsible for the transmission and delivery of all electric energy over or through the customer's wires and equipment, and SMUD shall not be responsible for any loss or damage occasioned thereby. The customer shall also be responsible for the installation and maintenance of all facilities not transferred to SMUD including conduits, manholes, and vaults.

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Extension of Facilities to Nonresidential Premises Rule and Regulation 16

I. Conditions of Service

Applicants for new and upgraded electric service will be required to provide SMUD sufficient advance notice so that service can be rendered by the time such service is desired. By applying for or accepting service from SMUD, a customer agrees to abide by all of SMUD's rates, rules and regulations concerning such service, to provide any rights of way across the customer's own property that SMUD may deem necessary to supply such service, and to cooperate with SMUD in its construction and maintenance of the facilities needed for such service. SMUD may bill the customer for any costs resulting from the customer's failure to comply with the provisions of this paragraph. This rule and regulation shall also apply to public agencies and developments with both nonresidential and residential mixed-use electric service.

II. Extensions of SMUD Distribution Facilities

Line extensions of electric distribution facilities to the boundary of a nonresidential development (at standard voltages specified in Rule and Regulation 2) will normally be constructed, owned, and maintained by SMUD at its expense. Line extensions will be subject to the provisions of SMUD's rules and regulations and the provisions of the applicable rates.

III. Overhead Distribution Facilities Within a Development

Generally, overhead facilities will not be extended into new developments. However, when they are extended SMUD will construct, own, and maintain all necessary overhead facilities required to provide service.

IV. Underground Distribution Facilities Within a Development

The developer of a nonresidential development will, in accordance with SMUD's specifications:

1. Perform all necessary excavating and backfilling, including furnishing of any imported backfill material required.
2. Furnish and install the underground duct system (including necessary conduits, ducts, manholes, vaults, switchgear, pads, and concrete encasement of conduit where required).
3. Transfer ownership of such facilities to SMUD upon acceptance by SMUD. In the case of approved residential high rise construction, ownership and maintenance of secondary to final service voltage equipment within the customer's building will remain the responsibility of the customer. The customer shall provide open and free access to SMUD meters in designated panel locations throughout the building.
4. The developer will deposit with SMUD, 100 percent of the Estimated Cost of SMUD-installed facilities upon completion of the system design and prior to system installation. At the discretion of SMUD, Estimated Cost may be determined by application of standard unit costing or by job specific estimates. Standard unit costing may be reviewed and updated at SMUD's discretion. SMUD may extend at its option, financing terms for no longer than 12 months for no more than 50 percent of the required deposit. Availability of the financing option will depend on the financial viability and credit-worthiness of the firm, as determined by SMUD. These costs are limited to SMUD's costs of providing distribution facilities within the boundaries of the development and the development-related distribution facilities adjacent to the development. For customers with connected loads of 1 megawatt and greater, these costs will include costs related to the last transformation before delivery to the customer, whether that transformation is from an off-site distribution substation or an on-site SMUD-dedicated substation. SMUD will supply, install, own, and maintain all conductors, switchgear, transformers, and related equipment for the secondary and primary distribution system.
5. If the applicant does not, within 12 months from the date on which SMUD provided a commitment for service, complete construction so that SMUD facilities can be installed, work authorizations under this rule may be canceled along with any related jobs. The on-site development cost shall be subject to increase in accordance with any change in this rule.
6. Pay SMUD a nonrefundable design fee at the time of project submittal to SMUD. SMUD may require additional fees as needed to accommodate change-orders or unanticipated design costs.

V. Service at Secondary Voltage

A. Overhead Service

In those areas where it has been determined that SMUD will continue to serve its customers' overhead distribution and where SMUD's distribution pole line is located on a street, highway, lane, alley, road, or private easement immediately contiguous to

Extension of Facilities to Nonresidential Premises Rule and Regulation 16

the customer's premise, SMUD will, at its expense, furnish and install a service drop from its pole line to the nearest point of attachment to the customer's building or other permanent support provided by the customer, at a point to be approved by SMUD.

B. Underground Service

In designated underground areas, SMUD will connect to underground service runs furnished and installed by the customer, at the customer's expense, at a service location specified by SMUD. Service run facilities shall include conductor to reach the service location, shall be subject to applicable City and County ordinances, and shall be subject to approval by SMUD as to design and specifications. No customer will be required to install facilities beyond a location in the public utility right of way adjacent to his or her property. Cost recovery of underground distribution facilities within a development will conform to the provisions of section IV. of this Rule and Regulation.

VI. Service at Primary or Subtransmission Voltage

Wherever adequate service to a customer requires and where, in SMUD's judgment, it is desirable and practicable to do so, SMUD will install on the customer's premise a primary or subtransmission voltage supply line. This supply line will extend to the metering installations or other terminal point, as designated by SMUD.

A. Overhead Conductors

Where the supply line is to be overhead, SMUD will, at its expense, furnish and install the entire line and will make the necessary connections.

B. Underground Conductors

Where the customer requests and SMUD agrees, or where SMUD determines that the primary or subtransmission voltage supply line be underground or otherwise in conduit, in whole or in part, the customer shall furnish and install the entire conduit system including manholes, pull boxes, and pull wires as designated by SMUD. All such facilities shall be subject to approval by SMUD as to design and specifications. No customer will be required to install facilities beyond a location in the public utility right of way adjacent to the customer's property. SMUD will furnish and install the electrical conductors and make the necessary connections. Cost recovery of underground distribution facilities within a development will conform to the provisions of section IV. of this Rule and Regulation.

VII. Service Connections

SMUD will not connect to any one building more than one service for each voltage classification, either overhead or underground, except for SMUD's operating convenience, or where, in SMUD's judgment, such additional services may be warranted because of the load requirements, or where the customer is required by law to install emergency lighting facilities. Connections of such service to or disconnection of such service from SMUD's lines shall be made only by authorized SMUD employees.

VIII. Requests for Change in Service Voltage

Where the customer requests and SMUD consents, a change in service voltage may occur provided that all SMUD costs including unrecovered costs less salvage value, relocation costs, and site restoration costs are at the requesting customer's expense. Such change may involve all voltage level classes as defined under the applicable general service rate schedule.

IX. Extensions for Temporary Service

Extension for temporary service will be made under the provisions of Rule and Regulation 13, Temporary Service.

X. SMUD Ownership of Facilities, Right of Access, and Right of Way

All facilities installed on a customer's premise, including but not limited to conductors, transformer, poles, meters, etc., which SMUD furnishes in order to render electric service, shall remain the sole property of SMUD. SMUD will maintain such facilities and shall have the right of access to the customer's premise, without payment of any charge or rent therefore, at all reasonable hours for any purpose related to the furnishing of electric service. This shall include but is not limited to meter reading, testing, inspection, construction, maintenance, and repair of facilities. Upon termination of service, and for a reasonable period thereafter, SMUD shall have the right of access to the customer's premise to remove its facilities installed thereon. The customer shall grant

Extension of Facilities to Nonresidential Premises Rule and Regulation 16

to SMUD rights of way and rights of access, satisfactory to SMUD, for the installation and maintenance of the necessary electrical conductors and their connections.

XI. Service to Annexation Customers

SMUD will maintain existing service conductor previously installed by Pacific Gas and Electric Company to commercial/industrial services until such time as the customer modifies, alters, or changes the existing electrical service equipment. It will be the customer's responsibility to provide additional duct when necessary.

XII. Customer Responsibility for Facilities

A. SMUD Facilities

The customer shall exercise reasonable care to prevent facilities of SMUD installed on the customer's premise from being damaged or destroyed and shall refrain from tampering or interfering with such facilities, and if any defect therein is discovered by the customer, the customer shall promptly notify SMUD thereof.

B. Customer Facilities

The customer shall be solely responsible for the transmission and delivery of all electric energy over or through the customer's wires and equipment, and SMUD shall not be responsible for any loss or damage occasioned thereby. The customer shall be responsible for the installation and maintenance of all facilities not transferred to SMUD ownership, including customer-owned conduits, manholes, and vaults.

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Meter Tests and Adjustment for Bills for Meter Error

Rule and Regulation 17

I. Meter Tests

Any customer may, upon not less than five days' notice, require SMUD to perform an electric meter test. No payment or deposit will be required from the customer for such test except under the following conditions:

1. When the meter test request is within six months after the date of installation of the meter; or
2. When the customer requests a meter test more often than once in six months.

If these exceptions apply, a deposit to cover the reasonable cost of the test will be required of the customer. SMUD will annually set the payment or deposit amount for meter tests based on average costs.

SMUD will apply the amount deposited by the customer as payment to SMUD to cover the meter test cost. However, the deposit will be returned to the customer if the meter is found, upon test, to register more than 2 percent fast or slow under conditions of normal operation.

A customer shall have the right to require SMUD to conduct the test in the customer's presence or, if the customer so desires, in the presence of an expert or other representative appointed by the customer. A report giving the result of the test will be supplied to the customer within a reasonable time after completion of the test.

No meter will be placed in service or allowed to remain in service that has an error in registration in excess of 2 percent under conditions of normal operation.

II. Adjustment of Bills for Meter Error

When, as the result of SMUD testing, a meter is found to be more than 2 percent fast, SMUD will provide the customer a refund of the overcharge based on the corrected meter readings for the period in which the meter was in use. Refunds will be made for a maximum of 6 billing periods unless a date for the cause of the error can be established. In this case, the overcharge will be computed back to the established date of the error, but not beyond three years prior to the date the error is brought to SMUD's attention.

When, as the result of SMUD testing, a residential meter is found either not registering or registering less than 75 percent of the actual consumption, SMUD may bill the customer, for a period covering up to three months, either an average bill or a bill for the electricity consumed but not covered by the previous bills. In the case of meter tampering or fraud, billing adjustments may exceed the three-month billing limitation to cover the substantiated period of the infraction.

When, as the result of SMUD testing, a nonresidential meter is found to register more than 2 percent slow, SMUD may bill the customer for a period covering up to three months, for electricity consumed but not covered by previous bills, unless the actual date of the error can be firmly established, in which case, the billing correction may cover the actual period up to three years prior to the date the error is brought to SMUD's attention. In the case of meter tampering or fraud, billing adjustments may exceed the three-month billing limitation to cover the substantiated period of the infraction.

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Service to Premises and Use of Energy Rule and Regulation 18

I. General Statement of Rule

SMUD's rates are based upon supplying service in the manner described below. In order to render electric service to all customers at standard rates and under equitable and nondiscriminatory service conditions SMUD will:

1. Meter directly all premises that have separate street or mall entrances and/or exits.
2. Not permit customers to resell electricity that SMUD supplies.
3. Require ready access to all meters and service equipment.

II. Definitions

Premise means all structures, apparatus, or portions thereof occupied or operated by an individual, a family, or a business enterprise, and situated on an integral parcel of land undivided by a public highway, street, or railway.

Resell electricity is the resale of electricity for profit.

Central system is defined as, but not limited to, air conditioning, heating, domestic hot water, compressed air, fire or security alarms, or an energy management system.

III. Exceptions to Requirement That SMUD Serve All Premises Directly

1. A customer may obtain nonresidential service at a single point of delivery for two or more premises operating as a single enterprise, adjacent to each other but separated only by streets, railways, or highways if the customer provides and maintains the necessary electrical facilities between SMUD's point of delivery and the electrical apparatus in accordance with the applicable statutes, ordinances, or regulations of the governmental agencies having jurisdiction thereof, and in such a manner that the convenience of SMUD and the safety of its personnel are not adversely affected.
2. Customers for which master metering was authorized prior to August 1, 1978, may continue to obtain service at a single point of delivery through a single metering installation for two or more single-family dwelling units in the same building or for two or more multifamily dwelling buildings, provided such buildings are adjacent to each other on an integral parcel of land undivided by a public highway, street, or railway. After August 1, 1978, all multifamily residential premises will be metered individually.
3. A building, a portion of a building, a group of buildings, or an automobile trailer camp containing more than one premise will receive service through a single point of delivery if SMUD determines that it is not reasonable or feasible to serve each premise directly.
4. A separate single meter may be used for a building's central system that serves more than one premise. When exceptions as described above are granted, the cost of electric service may be included in the rent.
5. Submetering for nonbilling purposes will be allowed for use in production measurement or budget allocation, with the prior approval of SMUD.

IV. Exceptions to Prohibition on Resale of Electricity

1. Mobile home parks for which submetering was permitted prior to August 1, 1971, and for which electric service is included in the facilities furnished to their tenants, may employ metering equipment as a means of retroactively adjusting rental charges for energy consumption, provided that the portion of such charges allocable to electricity may not exceed the rates SMUD would charge if it served the tenants directly.
2. Electric utilities and governmental agencies may submeter and resell electricity supplied to them by SMUD.

V. Enforcement

Customers who are receiving service in conflict with this rule and who fail to bring themselves into conformity within a reasonable time after receiving written notice from SMUD shall have their service discontinued.

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Interconnection Requirements

Rule and Regulation 21

I. Requirements

Rule and Regulation 21 sets forth the mandatory conditions and requirements for the interconnection and operation of distributed generation. All distributed generation connecting to the SMUD distribution system must comply with the mandatory conditions and requirements of Rule and Regulation 21, as further specified in SMUD Policy and Procedure 11-01. Interconnection is at SMUD's sole discretion and is prohibited until an approval to interconnect is provided by SMUD.

Requirements for interconnecting and operating distributed generation shall be available on the SMUD website (www.smud.org) and shall address, at a minimum, the following topics:

- Applicability
- Definitions
- General Rules, Rights, and Obligations
- Application and Interconnection Process
- Initial Review Process for Applications to Interconnect a Generating Facility
- Photovoltaic Interconnection Design Standards
- Generating Facility Design and Operating Requirements
- Maintenance and Permits
- Interconnection Facility and Distribution System Modifications and Costs
- Metering, Monitoring, and Telemetry
- Testing and Certification Criteria
- Interruptions or Reductions of Deliveries
- Access to Premises
- Indemnity and Liability By Customer
- Dispute Resolution Process

II. Changes to Requirements

SMUD's General Manager and CEO is authorized to develop, implement, and revise as necessary interconnection requirements addressing the above topics and such additional provisions to respond to legislation, regulatory requirements, industry practice, operating requirements, or average service costs.

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Appendix B. 2015 Rate Schedules

Appendix B - Table of Contents

The following listed sheets contain all effective rates, rules and regulations affecting rates and service, and information relating thereto, in effect on and after the date indicated. All rates are applicable to the territory served by SMUD.

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R Residential Time-Of-Use Service	Jan 1, 2015	1-R-TOU-1-5	5
GS General Service	Jan 1, 2015	1-GS-1-4	11
GS-LEG General Service	Jan 1, 2015	1-GS-LEG1-4	15
AG Agricultural	Jan 1, 2015	1-AG-1-5	19
GS-TOU1 Large General Service Time-of-Use	Jan 1, 2015	1-GS-TOU1-1-5	25
GS-TOU2 Medium General Service Time-of-Use	Jan 1, 2015	1-GS-TOU2-1-5	31
GS-TOU3 Small General Service Time-of-Use.....	Jan 1, 2015	1-GS-TOU3-1-5	37
GS-TDP General Service Temperature Dependent Pricing and Economic Retention	Jan 1, 2015	1-GS-TDP-1-4	43
SLS Street Light Service	Jan 1, 2015	1-SLS-1-2	47
TSS Traffic Signal Service	Jan 1, 2015	1-TSS-1	51
TC ILS Traffic Control -- Intersection Lighting Service	Jan 1, 2015	1-TC ILS-1	53
NLGT Outdoor Lighting Service	Jan 1, 2015	1-NLGT-1	55
Energy Assistance Program	Jan 1, 2015	1-EAPR-1-2	57
Distribution Wheeling Service	Jan 1, 2015	1-DWS-1-2	59

(End)

Residential Service Rate Schedule R

I. Applicability

This Rate Schedule 1-R applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes; and
3. Master-metered service to a qualifying multifamily accommodation or mobile home park that is submetered to all single-family units or individual mobile homes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Heating Type Availability	Electric Heat CLOSED* (to new customers)	Electric Heat OPEN	Nonelectric Heat OPEN
Rate Category	RSCH, RWCH	RSEH, RWEH	RSGH, RWGH
Winter Season – December 1 through March 31			
System Infrastructure Fixed Charge per month	\$16.00	\$16.00	\$16.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.0912	\$0.0998	\$0.0998
Base-Plus Usage per month \$/kWh	\$0.1578	\$0.1805	\$0.1805
Spring Season – April 1 through May 31 and Fall Season – October 1 through November 30			
System Infrastructure Fixed Charge per month	\$16.00	\$16.00	\$16.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.0912	\$0.0998	\$0.0998
Base-Plus Usage per month \$/kWh	\$0.1578	\$0.1805	\$0.1805
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$16.00	\$16.00	\$16.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.1076	\$0.1076	\$0.1076
Base-Plus Usage per month \$/kWh	\$0.1870	\$0.1870	\$0.1870

* The *CLOSED* Electric Heat Rate was closed to new installations of electric heating equipment, effective May 1, 1996. Upon application for service, any new occupant to a premise currently on the *CLOSED* Rate Categories RSCH, RWCH, or RTCH will be placed on the applicable Open Electric Heat Rate RSEH, RWEH, or RTEH. Customers installing new electric heating that replaces the original qualifying system will be placed on the applicable Open Electric Heat Rate RSEH, RWEH, or RTEH.

III. Base Usage and Base-Plus Usage Quantities

Winter Season – December 1 through March 31

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	1,500	1,500	770
Base-Plus Usage kWh per month	> 1,500	> 1,500	> 770

Residential Service Rate Schedule R

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage maximum kWh per month	1,800	1,800	1,070
Base-Plus Usage kWh per month	> 1,800	> 1,800	> 1,070

Spring Season – April 1 through May 31 and

Fall Season – October 1 through November 30

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	1,100	1,100	770
Base-Plus Usage kWh per month	> 1,100	> 1,100	> 770

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage maximum kWh per month	1,400	1,400	1,070
Base-Plus Usage kWh per month	> 1,400	> 1,400	> 1,070

Summer Season – June 1 through September 30

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	835	835	835
Base-Plus Usage kWh per month	> 835	> 835	> 835

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage per month \$/kWh	1,135	1,135	1,135
Base-Plus Usage per month \$/kWh	> 1,135	> 1,135	> 1,135

IV. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

V. Rate Option Menu

- A. **Energy Assistance Program (Rate Categories with suffix “_E”).** Refer to Rate Schedule 1–EAPR.
- B. **Medical Equipment Discount Program (Rate Categories with suffix “_L”).** Refer to Rate Schedule 1–MED.
- C. **Joint Participation in Medical Equipment Discount and Energy Assistance Programs (Rate Categories with suffix “_EL”).** Refer to Rate Schedule 1–MED.
- D. **Time-of-Use Rate Option.** Refer to Rate Schedule 1- R-TOU.
- E. **Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating of less than 100 kW; and
4. The generator(s) are connected to SMUD’s electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Residential Service Rate Schedule R

Generator Standby Charge January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Charge, SMUD will continue to bill for all applicable charges under this rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power.

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

3. Fixed Greenergy Fee Options

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

H. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, www.smud.org.

I. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV). The RTEV rate is closed to new customers. Refer to SMUD's website, www.smud.org, for electric vehicle pilot rates.

J. Residential Three-Phase Service Option

This option is open to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month.....\$40.90

VI. Conditions of Service

A. Electric Heat Eligibility (Rate Categories RSCH, RSEH, RWCH, RWEH)

Residential Service Rate Schedule R

Residential customers with electric heating may qualify for an additional 500 kWh in Base Usage allowance during the winter season and an added 180 kWh in Base Usage allowance during the spring and fall seasons. To be eligible, the customer's electric heating system must be the sole source of domestic heating installed at the metered premise, except in the case of renewable heating sources, noted in criterion 4 listed below. In addition, the electric heating system must meet one of the following eligibility criteria that are further defined in Rule and Regulation 1:

1. An electric resistance heating system that was installed prior to September 1, 1980; or
2. An electric heating system that qualified under the Closed Electric Heat Rate before May 1, 1996;
3. A heat pump, including units with electric resistance backup;
4. An electric resistance heating system used to supplement a geothermal, solar, or other renewable fuel heating system.

Nonrenewable fuel sources for heating systems that do not qualify for the added residential electric heat Base Usage allowances include, but are not limited to:

- Fossil fuels such as natural gas, propane, gasoline, and oil; and
- Wood and pelletized fuels.

B. Domestic Well Eligibility (Rate Categories RWCH, RWEH, RWGH)

Residential customers who own and operate, on their premise, a well that is their sole source of domestic water, are eligible for an additional 300 kWh of monthly Base Usage quantity on the residential meter serving the well.

C. Master-Metered Multifamily Accommodation and Mobile Home Park Billing (Rate Category RSMM)

This rate is closed to new customers unless SMUD determines that it is not reasonable or feasible to provide service and meter the individual units directly.

The master-metered customer's electricity consumption will be billed under the Base Usage and Base-Plus Usage quantities using the ratio of the number of occupied single-family accommodations with electric or nonelectric heat to the total number of occupied single-family accommodations. The billing calculation will include applicable discounts to the Base Usage Charge and System Infrastructure Fixed Charge for qualifying energy assistance and medical equipment discount program participants. The customer must advise SMUD within 15 days following any change in the number of occupied single-family accommodations wired for electric service and/or any change in the number of qualifying medical equipment discount and/or energy assistance program participants, and/or new occupants of the existing premises with rate categories RSCH or RWCH.

VII. Billing

The Base Usage and Base-Plus Usage allowances will be prorated for nonstandard billing periods and when the billing period spans more than one season. The following table shows the basis for the proration in these circumstances. The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days. (Billing period days divided by 30).
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

(End)

Residential Time-of-Use Service Rate Schedule R-TOU

I. Applicability

This Rate Schedule 1-R-TOU applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

A. Option 1 Time-of-Use Rate (Rate Categories RTCH, RTEH, RTGH)

1. Option 1 has two periods in the winter season (October through May) and two periods in the summer season (June through September). The times of day when SMUD experiences more demand for electricity is called the on-peak; all other times are referred to as off-peak. The on-peak period applies only Monday through Friday and never on SMUD-observed holidays.
2. SMUD offers a trial time-of-use (TOU) option for residential customers who want to see if they benefit from this type of rate. Residential customers shall be entitled to a 12-month trial period for Option 1 Time-of-Use. The trial applies to the house load only and does not include any electric vehicle charging. At the end of the trial period the total electricity usage charges for the trial period will be compared to what the total electricity usage charges would have been on the applicable non-TOU rate for the same period. If the customer would have paid less during the trial period had they been on the applicable non-TOU rate, the customer will receive a credit for the difference after which either the Standard Rate or the Option 1 Time-of-Use Rate must be selected.
3. If customers formerly on a closed rate elect to remain on the Option 1 Time-of-Use Rate beyond the trial period, the customers forfeit their eligibility to return to the closed rate. Customers formerly on a closed electric rate will be placed on the otherwise applicable rates RSEH or RWEH.
4. If the Option 1 Time-of-Use Rate is selected at the end of the trial period, customers subsequently requesting a transfer from the Option 1 Time-of-Use Rate to the Standard Rate may not return to the Option 1 Time-of-Use Rate for a 12-month period. Customers returning to the Option 1 Time-of-Use Rate at the same premise are not entitled to an additional trial period.

B. Option 2 Time-of-Use (Rate Categories RTE5, RTC5, RTG5)

1. Option 2 has two periods in the winter season and three periods in the summer season. The time of day when SMUD experiences the most demand for electricity in the summer (June through September) is called super-peak; on each side of this time period is called on-peak; all other times are referred to as off-peak. The super-peak and on-peak periods apply only Monday through Friday and never on SMUD-observed holidays.
2. Option 2 is not a trial rate. Any electric heat customer transferring to this optional rate shall forfeit any eligibility for a rate that has been closed to new customers. Customers subsequently requesting a transfer from the Option 2 Time-of-Use Rate to the Standard Rate may not return to the Option 2 Time-of-Use Rate for a 12-month period.

C. Residential Thermal Energy Storage Option (Rate Category RTT); CLOSED to new customers

1. A residential customer whose premise is equipped with a Residential Thermal Energy Storage (RTES) system or who may have qualified by meeting the load criteria established for RTES including the lockout of space-conditioning compressors during the on-peak period, and who is billed on the Option 1 Time-of-Use Rate shall be entitled to a credit on the winter off-peak and summer off-peak and summer on-peak prices.
2. Rate Category RTT was closed to new occupants of premises equipped with RTES systems and to new installations of RTES systems, or other qualifying equipment, effective June 1, 1997. At the time of application for service, a new occupant of a premise currently on the CLOSED Rate Category RTT will be placed on the Option 1 Time-of-Use Rate (Rate Category RTE) and will be informed of other rate options available to them.

D. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV – Closed to New Participants)

Residential Time-of-Use Service Rate Schedule R-TOU

This option is for residential customers who own or lease licensed passenger battery electric, plug-in, or plug-in hybrid electric vehicles. This option is closed to new participants. Pilot rates for plug-in electric vehicle charging are available at SMUD’s website, www.smud.org.

1. This option requires installation of a Time-of-Use meter on the charging location and will be billed under the Option 1 Time-of-Use Rate with a credit on the off-peak electricity usage charges.

Winter off-peak credit	-\$0.0243
Summer off-peak credit.....	-\$0.0271

2. The System Infrastructure Fixed Charge will be waived.
3. The Time-of-Use meter will be a submeter to the premise’s main meter unless the customer, at his or her own expense, elects to have installed a separate panel and meter.
4. Due to the incompatibility of TOU periods, customers whose house load is billed on Option 2 TOU can only take vehicle charging service under the RTEV Rate by moving to another applicable residential rate or by installing a new panel and meter so that the PEV load is metered independently of the house load.
5. This rate does not have a trial period even though it is charged as Option 1 Time-of-Use.

II. Firm Service Rates

Rate Categories	Option 1 RTCH, RTEH, RTGH	RTES Credit RTT	Option 2 RTC5, RTE5, RTG5
Winter Season – October 1 through May 31			
System Infrastructure Fixed Charge per month	\$16.00	N/A	\$16.00
Electricity Use Charge			
On-Peak \$/kWh	\$0.1108	N/A	\$0.1104
Off-Peak \$/kWh	\$0.1025	-\$0.0122	\$0.1014
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$16.00	N/A	\$16.00
Electricity Use Charge			
Super-Peak \$/kWh	N/A	N/A	\$0.2431
On-Peak \$/kWh	\$0.2429	-\$0.0293	\$0.1621
Off-Peak \$/kWh	\$0.1139	-\$0.0136	\$0.1004

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

Residential Time-of-Use Service Rate Schedule R-TOU

IV. Rate Option Menu

- A. **Energy Assistance Program.** The Energy Assistance Program discount is not available on the Residential Time-of-Use rates.
- B. **Medical Equipment Discount Program.** The Medical Equipment discount is not available on the Residential Time-of-Use rates.
- C. **Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates or leases one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating less than 100 kW; and
4. The generator(s) are connected to SMUD’s electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/ or to supply electricity during generator(s) maintenance service.

Generator Standby Service – January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected Residential TOU rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power. All energy provided to the customer by SMUD will be billed at the applicable Residential Time-of-Use Rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1–NEM.

- A. **Net Energy Metering Option.** Refer to Rate Schedule 1-NEM for further details.

- B. **Green Pricing Options**

1. **SMUD Community Solar Option**

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. **SMUD Renewable Energy Option**

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

3. **Fixed Greenergy Fee Options**

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

- C. **Special Metering Charge**

Residential Time-of-Use Service Rate Schedule R-TOU

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

D. Residential Three-Phase Service Option

This option applies to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month\$40.90

V. Conditions of Service

Option 1 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 7:00 a.m. and 10:00 a.m., and 5:00 p.m. and 8:00 p.m.
Summer Season On-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Option 2 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 12:00 noon and 10:00 p.m.
Summer Season On-Peak	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year’s Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln’s Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Proration of Charges

Residential Time-of-Use Service Rate Schedule R-TOU

The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

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General Service Rate Schedule GS

I. Applicability

This Rate Schedule 1-GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. General Service customers include commercial and nonagricultural irrigation pumping accounts. This schedule also applies to General Service accounts with contract capacity of 299 kW or less. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

A. Small Nondemand Service (GSN_T)

This rate applies to General Service accounts with a monthly maximum demand of 20 kW or less. Whenever the monthly maximum demand exceeds 20 kW for three consecutive months and the monthly energy usage is at least 7,300 kWh for three consecutive months within a 12-month period, the account will be billed on the applicable demand rate. To return to the nondemand rate, the monthly maximum demand must be 20 kW or less for 12-consecutive months.

B. Small Nondemand, Nonmetered Service (GFN)

This rate applies to General Service accounts where an account's monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operation, SMUD, at its discretion, and with the customer's consent, will calculate electricity consumed in lieu of providing metering equipment. The calculated electricity consumption will be billed at the average of the GSN_T rate's annual electricity usage charges.

C. Small Demand Service (GSS_T)

This rate applies to General Service accounts with a monthly maximum demand of at least 21 kW but does not exceed 299 kW and monthly energy usage of at least 7,300 kWh within a 12-month period. The customer will be billed on this demand rate unless the monthly maximum demand falls below 21 kW for 12 consecutive months or the monthly maximum kW exceeds 299 kW for three consecutive months.

II. Firm Service Rates

Rate Category	Nondemand GSN_T	Flat GFN	Demand GSS_T
Winter Season - October 1 through May 31			
System Infrastructure Fixed Charge - per month per meter	\$16.00	\$8.45	\$23.10
Site Infrastructure Charge <i>(per 12 months max kW or contract capacity)</i>	n/a	n/a	\$7.14
Electricity Usage Charge			
All day \$/kWh	\$0.1266	\$0.1278	\$0.0962
Summer Season - June 1 through September 30			
System Infrastructure Fixed Charge - per month per meter	\$16.00	\$8.45	\$23.10
Site Infrastructure Charge <i>(per 12 months max kW or contract capacity)</i>	n/a	n/a	\$7.14
Electricity Usage Charge			
On-peak \$/kWh	\$0.2862	\$0.1278	\$0.2455
Off-peak \$/kWh	\$0.1075	\$0.1278	\$0.0852

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

A. Solar Surcharge. Refer to Rate Schedule 1-SB1.

B. Hydro Generation Adjustment (HGA). Refer to Rate Schedule 1-HGA.

General Service Rate Schedule GS

IV. Rate Option Menu

A. Energy Assistance Program for Nonprofit Agencies. Refer to Rate Schedule 1-EAPR.

B. Campus Rates. Refer to Rate Schedule 1-CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level	Secondary	Primary	Subtransmission
(\$/kW of Contract Capacity per month)	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

E. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

F. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

G. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through

General Service Rate Schedule GS

provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. *Secondary Service Voltage*

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. *Primary Service Voltage*

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. *Subtransmission Service Voltage*

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. **Adjustment (charge per month varies)**

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \quad \times \quad [(95\% \div \text{Power Factor}) - 1] \quad \times \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate per excess KVAR\$0.0103

2. **Waiver Contract (charge per month is set for the term of the waiver)**

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract.

The waiver amount per month is calculated:

$$\text{Excess KVAR} \quad \times \quad \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR \$0.2719

D. Winter (October 1 – May 31) All hours are off-peak.

General Service Rate Schedule GS

E. Summer Time-of-Use Billing Periods (June 1 – September 30)

On-Peak	Summer weekdays between 3:00 p.m. and 6:00 p.m.
Off-Peak	All other hours, including holidays shown below

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

I. Applicability

This Rate Schedule 1-GS-LEG applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer's premise; with monthly maximum demand that does not exceed 299 kW for three or more consecutive months and whose meter is not capable of metering time of use. Upon installation of a meter that is capable of metering time-of-use periods, the customer will immediately be placed on the Rate Schedule GS. General Service customers include commercial and nonagricultural irrigation pumping accounts. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

This rate schedule was closed to new premises effective January 1, 2012.

A. Small Nondemand Service (GSN)

This rate applies to General Service accounts with a monthly maximum demand of 20 kW or less. Whenever monthly usage is at least 7,300 kWh for three consecutive months a demand meter will be installed. If monthly maximum demand exceeds 20 kW for three consecutive months and energy usage is at least 7,300 kWh for three consecutive months within a 12-month period, the account will be billed on the applicable demand rate. To return to the nondemand rate, the monthly maximum demand must be 20 kW or less for 12-consecutive months.

B. Small Demand Service (GSS)

This rate applies to General Service accounts with a monthly maximum demand of at least 21 kW but does not exceed 299 kW and monthly energy usage of at least 7,300 kWh within a 12-month period. The customer will be billed on this demand rate unless the monthly maximum demand falls below 21 kW for 12 consecutive months or the monthly maximum kW exceeds 299 kW for three consecutive months.

II. Firm Service Rates

Rate Category	Nondemand GSN	Demand GSS
Winter Season - November 1 through April 30		
System Infrastructure Fixed Charge - per month per meter	\$8.65	\$21.55
Site Infrastructure Charge (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$7.14
Electricity Usage Charge		
First 7,300 kWh per month	\$0.1293	\$0.1206
Additional kWh per month	\$0.1293	\$0.0961
Summer Season - May 1 through October 31		
System Infrastructure Fixed Charge - per month per meter	\$8.65	\$21.55
Site Infrastructure Charge (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$7.14
Electricity Usage Charge		
First 7,300 kWh per month	\$0.1336	\$0.1331
Additional kWh per month	\$0.1336	\$0.1025

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.

B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. **13-xx-xx** adopted August __, 2013

Sheet No. **1-GS-LEG1**

Effective: **January 1, 2015**

Edition: **January 1, 2015**

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

IV. Rate Option Menu

A. Energy Assistance Program for Nonprofit Agencies. Refer to Rate Schedule 1-EAPR.

B. Campus Rates. Refer to Rate Schedule 1-CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

E. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

F. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

G. Special Metering Charge

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. *Secondary Service Voltage*
This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”
2. *Primary Service Voltage*
This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.
3. *Subtransmission Service Voltage*
This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. **Adjustment (charge per month varies)**

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \quad \times \quad [(95\% \div \text{Power Factor}) - 1] \quad \times \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate per excess KVAR\$0.0103

2. **Waiver Contract (charge per month is set for the term of the waiver)**

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract.

The waiver amount per month is calculated:

$$\text{Excess KVAR} \times \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868% percent of kW

Waiver Rate per excess KVAR\$0.2719

D. Summer Time-of-Use Billing Periods (June 1 – September 30)

General Service Legacy Rate Rate Schedule GS-LEG (Closed to new premises)

On-Peak	Summer weekdays between 3:00 p.m. and 6:00 p.m.
Off-Peak	All other hours, including holidays shown below

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

Agricultural Service Rate Schedule AG

I. Applicability

This Rate Schedule 1-AG applies to single- or three-phase nonresidential agricultural service, delivered at standard voltages designated by SMUD as available at the customer premise. The electricity must be for pumping loads where a preponderance of the load is devoted to agricultural purposes such as farm lighting, feed choppers, milking machines, heating for incubators, brooders, and other farm uses; drainage pumping loads where a preponderance of the area drained is agricultural; and irrigation pumping loads for nonagricultural purposes where the entire loads, except for minor incidental uses, are devoted to such pumping.

This schedule is mandatory for agricultural accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. Agricultural accounts with demands exceeding 299 kW for three consecutive months will be placed on the applicable Commercial Time-of-Use Rate Schedule, GS-TOU1, GS-TOU2 or GS-TOU3.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rate

A. Small Agricultural Service, Nondemand Rates – ASN

This rate applies to agricultural accounts having a monthly maximum demand of 30 kW or less. If the account does not have a meter that registers demand, and monthly usage is at least 12,000 kWh for three consecutive months, a demand meter will be installed. Whenever monthly maximum demand exceeds 30 kW for three consecutive months, the customer will be billed on the applicable demand rate. To return to the nondemand rate, the account’s monthly maximum demand must fall below 31 kW and usage must be below 12,000 kWh for 12 consecutive months.

Season	(Nov 1 - Apr 30)	(May 1 - Oct 31)
	Winter	Summer
System Infrastructure Fixed Charge - per month per meter	\$10.40	\$10.40
Electricity Usage Charge \$/kWh for all kWh	\$0.1150	\$0.1259

B. Large Agricultural Service, Demand Rates – ASD

This rate applies to agricultural accounts having a monthly maximum demand greater than 30 kW but less than 300 kW for three consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. The customer will be billed on the demand-metered rate until the demand falls below 31 kW and energy is less than 12,000 kWh for 12 consecutive months before being returned to the ASN Rate.

Season	Winter	Summer
System Infrastructure Fixed Charge - per month per meter	\$24.05	\$24.05
Site Infrastructure Charge (<i>\$ per 12-month max kW or contract capacity</i>)		
First 30 kW	No Charge	No Charge
Additional kW per month	\$2.37	\$2.37
Electricity Usage Charge \$/kWh		
Base Usage – 8,750 kWh per month	\$0.1273	\$0.1220
Base Usage Plus – kWh over 8,750 per month	\$0.0999	\$0.0884

C. Small Agricultural Optional Time-of-Use – AON

This optional rate is for small agricultural nondemand accounts. Transfers to the small agricultural Time-of-Use Rate must remain in effect for at least four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

Season	Winter	Summer
System Infrastructure Fixed Charge - per month – per meter	\$13.90	\$13.90

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. **13-xx-xx** adopted Aug __, 2013

Sheet No. **1-AG-1**

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Agricultural Service Rate Schedule AG

Electricity Usage Charge \$/kWh

On-Peak period	\$0.1322	\$0.1918
Off-Peak period	\$0.1128	\$0.1031

D. Large Agricultural Optional Time-of-Use – AOD

This optional rate is for large agricultural accounts with demand greater than 30 kW and less than 300 kW. Transfers to the agricultural Time-of-Use Rate must remain in effect for at least four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

	Winter	Summer
System Infrastructure Fixed Charge per month – per meter	\$83.70	\$83.70
Maximum Demand Charge \$/ kW	\$2.37	\$3.31
Electricity Usage Charge \$/kWh		
On-Peak period	\$0.1317	\$0.2039
Off-Peak period	\$0.1118	\$0.1087

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

- A. Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

A. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer has electric generator(s), sited on the customer premise, that serve all or part of the customer’s load;
2. The generator(s) are connected to SMUD’s electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule. These charges include System Infrastructure Fixed Charges and Site Infrastructure Charges, as well as Electricity Usage and Maximum Demand Charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

- B. Net Energy Metering Option.** Refer to Rate Schedule 1-NEM.

Agricultural Service Rate Schedule AG

C. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

D. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate shall be determined by the voltage level at which service is taken according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as "Primary" or "Subtransmission."

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer's monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer's monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment

1. Adjustment (charge varies by month)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer's monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \times [(95\% \div \text{Power Factor}) - 1] \times \text{Power Factor Adjustment}$$

Agricultural Service Rate Schedule AG

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer's monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0103

2. Waiver Contract (charge per month is set for the term of the waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2719

D. Time-of-Use Billing Periods

Winter season is from November 1 through April 30. Summer season is from May 1 through October 31.

Winter Season On-Peak	Weekdays between 7:00 a.m. and 10:00 a.m. and 5:00 p.m. and 8:00 p.m.
Summer Season On-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 day, more than 34 days or spans more than one season. The Electricity Usage allowances, System Infrastructure Fixed Charge, and Site Infrastructure Charge will be prorated as shown in the following table.

Agricultural Service Rate Schedule AG

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period of June through September. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months.

(End)

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Large General Service Time-of-Use Rate Schedule GS-TOU1

I. Applicability

This Rate Schedule 1-GS-TOU1 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of 1,000 kW or greater for three consecutive months during the preceding 12 months. Accounts will remain on this rate schedule unless monthly maximum demand falls below 1,000 kW for 12 consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. This schedule is also mandatory for accounts with contract capacity of 1,000 kW or greater. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

	Voltage Level Rate Category	Large C&I Secondary GUS_L	Large C&I Primary GUP_L	Large C&I Subtransmission GUT_L
Winter Season - October 1 through May 31				
System Infrastructure Fixed Charge – per month per meter		\$101.60	\$101.60	\$269.05
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)		\$3.78	\$3.63	\$2.89
Electricity Usage Charge				
On-Peak \$/kWh		\$0.1015	\$0.0965	\$0.0930
Off-Peak \$/kWh		\$0.0804	\$0.0752	\$0.0736
Summer Season - June 1 through September 30				
System Infrastructure Fixed Charge – per month per meter		\$101.60	\$101.60	\$269.05
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)		\$3.78	\$3.63	\$2.89
Electricity Usage Charge				
Super-Peak \$/kWh		\$0.1581	\$0.1303	\$0.1266
On-Peak \$/kWh		\$0.1262	\$0.1187	\$0.1112
Off-Peak \$/kWh		\$0.1010	\$0.0921	\$0.0908

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule 1-EAPR.
- B. **Campus Billing.** Refer to Rate Schedule 1-CB.
- C. **Economic Development (ED) Rate Option**

This option is applicable to full-service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. Determination of eligibility is at SMUD's sole discretion.

Large General Service Time-of-Use Rate Schedule GS-TOU1

1. Eligibility for this discount is limited to customers with North American Industrial Classification System (NAICS) designations: 311-339 Manufacturing, 511-519 Information, 521-525 Finance & Insurance, or 541 Professional, Scientific & Technical Services.
2. Eligible customer must agree to be a full-service customer for five years.
3. New customers must apply for the ED option prior to commencement of service with SMUD. Existing customers must apply for the option prior to the installation of new load.
4. Eligible customers will receive a reduction of the System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, Site Infrastructure Charge and electricity usage charges on their bill, based on the table below.
5. For existing customers, only the additional load shall qualify for the discount.

<i>Economic Development Discount</i>				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

D. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

E. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates, or leases one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD’s electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

Large General Service Time-of-Use Rate Schedule GS-TOU1

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

H. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate shall be determined by the voltage level at which service is provided according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage: } x \quad [(95\% \div \text{Power Factor}) - 1] \quad x \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0103

2. Waiver Contract (charge per month is set for the term of the waiver)

Large General Service Time-of-Use Rate Schedule GS-TOU1

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2719

D. Large General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 -May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 -September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Billing period is less than 27 days	Relationship between the length of the billing period and 30 days.
Billing period is more than 34 days	
Seasons overlap within billing period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

SACRAMENTO MUNICIPAL UTILITY DISTRICT
Resolution No. **13-xx-xx** adopted August __, 2013

Sheet No. **1-GS-TOU1-4**
Effective: **January 1, 2015**
Edition: **January 1, 2015**

Large General Service Time-of-Use Rate Schedule GS-TOU1

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

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Medium General Service Time-of-Use Rate Schedule GS-TOU2

I. Applicability

This Rate Schedule 1-GS-TOU2 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premise. This schedule is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of at least 500 kW for three consecutive months, but not greater than 999 kW for three consecutive months during the preceding 12 months. Accounts will remain on this schedule unless monthly maximum demand falls below 500 kW for 12 consecutive months or exceeds 999 kW for three consecutive months. This schedule is also mandatory for accounts with contract capacity of at least 500 kW, but not greater than 999 kW. The demand for any month will be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Voltage Level Rate Category	Medium C&I Secondary GUS_M	Medium C&I Primary GUP_M	Medium C&I Subtransmission GUT_M
Winter Season – October 1 through May 31			
System Infrastructure Fixed Charge – per month per meter	\$101.60	\$101.60	\$269.05
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$2.68	\$2.37	\$1.95
Electricity Usage Charge			
On-Peak \$/kWh	\$0.0967	\$0.0915	\$0.0881
Off-Peak \$/kWh	\$0.0766	\$0.0725	\$0.0710
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge – per month per meter	\$101.60	\$101.60	\$269.05
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$2.68	\$2.37	\$1.95
Summer Super Peak Demand Charge (\$ per monthly super-peak max kW)	\$6.57	\$6.04	\$0.00
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.1834	\$0.1746	\$0.1694
On-Peak \$/kWh	\$0.1263	\$0.1218	\$0.1141
Off-Peak \$/kWh	\$0.0972	\$0.0925	\$0.0911

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule 1-EAPR.
- B. **Campus Billing.** Refer to Rate Schedule 1-CB.
- C. **Economic Development (ED) Rate Option**

This option is applicable to full-service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. Determination of eligibility is at SMUD’s sole discretion.

Medium General Service Time-of-Use Rate Schedule GS-TOU2

1. Eligibility for this discount is limited to customers with North American Industrial Classification System (NAICS) designations: 311-339 Manufacturing, 511-519 Information, 521-525 Finance & Insurance, or 541 Professional, Scientific & Technical Services.
2. Eligible customer must agree to be a full-service customer for five years.
3. New customers must apply for the ED option prior to commencement of service with SMUD. Existing customers must apply for the option prior to the installation of new load.
4. Eligible customers will receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Super Peak Infrastructure Charge and electricity usage charges on their bill, based on the table below.
5. For existing customers, only the additional load shall qualify for the discount.

<i>Economic Development Discount</i>				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

D. Implementation of Energy Efficiency Program or Installation of New Solar Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

E. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates, or leases, one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD’s electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Generator Standby Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, Summer Super Peak Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

Medium General Service Time-of-Use Rate Schedule GS-TOU2

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

H. Special Metering Charge

The customer shall pay for additional equipment and software identified by SMUD meter specialists as necessary for load data collection and upload to the customer electronic system. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage: } x \quad [(95\% \div \text{Power Factor}) - 1] \quad x \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0103

2. Waiver Contract (charge per month is set for term of waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Medium General Service Time-of-Use Rate Schedule GS-TOU2

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2719

D. Medium General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 - May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 - September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak: June 1 - September 30	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

Medium General Service Time-of-Use Rate Schedule GS-TOU2

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service may be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

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Small General Service Time-of-Use Rate Schedule GS-TOU3

I. Applicability

This Rate Schedule 1-GS-TOU3 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of at least 300 kW for three consecutive months, but not greater than 499 kW for three consecutive months during the preceding 12 months, and for all accounts previously served at the primary level on Rate Schedule 1-GS. Accounts will remain on the GS-TOU3 rate schedule unless monthly maximum demand falls below 300 kW for 12 consecutive months or exceeds 499 kW for three consecutive months. This schedule is also mandatory for accounts with contract capacity of at least 300 kW, but not greater than 499 kW. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Voltage Level Rate Category	Small C&I Secondary GUS_S	Small C&I Primary GUP_S
Winter Season - October 1 through May 31		
System Infrastructure Fixed Charge - per month per meter	\$101.60	\$101.60
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$3.58	\$3.21
Electricity Usage Charge		
On-Peak \$/kWh	\$0.0981	\$0.0927
Off-Peak \$/kWh	\$0.0780	\$0.0737
Summer Season - June 1 through September 30		
System Infrastructure Fixed Charge - per month per meter	\$101.60	\$101.60
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$3.58	\$3.21
Summer Super Peak Demand Charge (\$ per monthly super-peak max kW)	\$7.20	\$6.57
Electricity Usage Charge		
Super-Peak \$/kWh	\$0.1888	\$0.1797
On-Peak \$/kWh	\$0.1290	\$0.1243
Off-Peak \$/kWh	\$0.1026	\$0.0976

III. Electricity Usage Surcharges

Refer the following rate schedules for details on electricity surcharges that apply to all kWh usage.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule 1-EAPR.
- B. **Campus Billing.** Refer to Rate Schedule 1-CB.
- C. **Economic Development (ED) Rate Option**

This option is applicable to full-service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. Determination of eligibility is at SMUD's sole discretion.

Small General Service Time-of-Use Rate Schedule GS-TOU3

1. Eligibility for this discount is limited to customers with North American Industrial Classification System (NAICS) designations: 311-339 Manufacturing, 511-519 Information, 521-525 Finance & Insurance, or 541 Professional, Scientific & Technical Services.
2. Eligible customer must agree to be a full-service customer for five years.
3. New customers must apply for the ED option prior to commencement of service with SMUD. Existing customers must apply for the option prior to the installation of new load.
4. Eligible customers will receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Super Peak Infrastructure Charge and electricity usage charges on their bill, based on the table below.
5. For existing customers, only the additional load shall qualify for the discount.

<i>Economic Development Discount</i>				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

D. Implementation of Energy Efficiency Program or Installation of New Solar Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

E. Generator Standby Service Option

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates, or leases one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD’s electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Generator Standby Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule. These charges include System Infrastructure Fixed Charges, Site Infrastructure Charges, Summer Super Peak Infrastructure Charges, as well as electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

Small General Service Time-of-Use Rate Schedule GS-TOU3

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

H. Special Metering Charge

The customer shall pay for additional equipment and software identified by SMUD meter specialists as necessary for load data collection and upload to the customer electronic system. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. Primary Service Voltage

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. Subtransmission Service Voltage

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \times [(95\% \div \text{Power Factor}) - 1] \times \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0103

Small General Service Time-of-Use Rate Schedule GS-TOU3

2. Waiver Contract (charge per month is set for term of waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

Excess KVAR x Waiver Rate

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2719

D. Small General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 -May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 -September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak: June 1 - September 30	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that falls within the respective seasons.

Small General Service Time-of-Use Rate Schedule GS-TOU3

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service may be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

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General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP *(Closed to new customers)*

I. Applicability

This Rate Schedule 1-GS-TDP applies to single- or three-phase service, delivered at the subtransmission voltage level. The rate charged the customer shall vary depending on the maximum forecasted temperature during the summer season (June through September). SMUD is utilizing temperature-dependent pricing as an additional rate option for economic retention.

This rate schedule was closed to new participants effective January 1, 1998.

To be eligible for this schedule, customers must have met the following requirements:

1. Certify to SMUD that serving their load has become competitive as shown through evidence of viable competitive energy sources from relocation, self-generation, cogeneration, etc.;
2. Verify that electricity costs are at least 10 percent of their variable production costs; and
3. Agree to remain a full-requirements SMUD customer for a minimum period of five years. If the customer chooses to bypass SMUD before the five year period has expired, the customer shall reimburse SMUD for all cumulative savings received under the temperature-dependent pricing rate compared to the standard rate. The customer may elect to terminate SMUD service after four years, with a one-year advance notification, without penalty.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rate

	Voltage Level Rate Category	Subtransmission GDT_99
Winter Season – October 1 through May 31		
System Infrastructure Fixed Charge per month per meter		\$269.05
Site Infrastructure Charge (<i>\$ per 12 month max kW or contract capacity</i>)		\$0.52
Electricity Usage Charge		
On-Peak Period \$/kWh		\$0.0930
Off-peak period \$/kWh		\$0.0666
Summer Season – June 1 through September 30		
System Infrastructure Fixed Charge per month per meter		\$269.05
Site Infrastructure Charge (<i>\$ per 12 month max kW or contract capacity</i>)		\$0.52
TDP Super-Peak Demand Charge (\$/kW)		
Per kW of maximum demand during Super-Peak Period per day if forecasted daily maximum temperature (T) for the following day is:		
“Heat Storm” if T \geq 100° for 2 or more consecutive days; or		\$5.40
“Extremely Hot” if T \geq 100° for a single day; or		\$5.09
“Very Hot” if 100° > T > 95°; or		\$0.94
“Mild to Hot” if 95° \geq		No Charge
Electricity Usage Charge		
Super-Peak \$/kWh		\$0.1266
On-Peak \$/kWh		\$0.1112
Off-Peak \$/kWh		\$0.0839

The TDP Maximum Demand Charge varies depending on the forecasted maximum temperature, based on a mutually agreed upon weather forecast source for the Sacramento area, for the following day.

General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP (*Closed to new customers*)

Minimum Demand Charge Day

A “Minimum Demand Charge Day” may be declared on days when the forecast maximum daily temperature is greater than 95°F and less than 50 percent of SMUD’s available peaking resources are being utilized. On a “Minimum Demand Charge Day” there is no charge for super-peak TDP maximum demand.

Notification of Minimum Demand Charge Day

It is the responsibility of the customer to communicate with SMUD to determine whether the SMUD system operator has declared a “Minimum Demand Charge Day.” SMUD reserves the right to cancel a “Minimum Demand Charge Day” if necessary. Any such update will be provided to the customer no later than one hour prior to application of the TDP super-peak maximum demand charge.

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Rate Option Menu

A. Green Pricing Options

1. SMUD Community Solar Option (Greenery Block)

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option (Greenery Advocate and Greenery All Renewables)

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

B. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

1. Secondary Service Voltage

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP *(Closed to new customers)*

2. *Primary Service Voltage*

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer's monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. *Subtransmission Service Voltage*

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer's monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer's monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \times [(95\% \div \text{Power Factor}) - 1] \times \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer's monthly power factor or 95 percent

Power Factor Adjustment Rate\$0.0103

2. Waiver Contract (charge per month is set for the term of the waiver)

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The waiver amount per month is calculated:

$$\text{Excess KVAR} \times \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR\$0.2719

D. Large General Service Time-of-Use Billing Periods

Winter On-Peak: October 1 - May 31	Weekdays between 12:00 noon and 10:00 p.m.
Summer On-Peak: June 1 - September 30	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

General Service Temperature-Dependent Pricing/Economic Retention Rate Schedule GS-TDP *(Closed to new customers)*

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective seasons.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

Street Lighting Service Rate Schedule SLS

I. Applicability

This Rate Schedule 1-SLS applies to outdoor lighting service facilities for:

1. Streets; and
2. Highways, and bridges; and
3. Public parks; and
4. Elementary schools, secondary schools, and colleges.

This schedule covers the following service categories:

- **Customer-owned and maintained — Rate Category SL_COM**
- **Customer-owned and maintained, metered — Rate Category SL_COM_M**
- **Customer-owned, SMUD-maintained — Rate Category SL_CODM**
- **SMUD (District)-owned and maintained — Rate Categories SL_DOM and SL_DOM_M**

For the purposes of the following prices a "month" is considered to be a single billing of 27 to 34 days.

II. Customer-owned and maintained — Rate Category SL_COM

Where the customer owns and maintains the street lighting equipment, SMUD will furnish electricity and switching. Effective January 1, 2015, this rate is available only to new customers and installations that are not eligible for the default SL_COM_M metered rate.

Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0249

III. Customer-owned and maintained, metered — Rate Category SL_COM_M

Effective January 1, 2015, eligible street lighting customers requesting new installations of lamps or addition of new lamps to existing accounts default to the metered SL_COM_M rate. Eligible street lighting customers will be served under the default rate when 1) five or more lamps are connected individually or in series to a single lighting circuit or SMUD point of service, or 2) as determined necessary by SMUD at its sole discretion.

Where the customer owns and maintains street lighting equipment, that is controlled to **operate solely during dusk to dawn hours**, SMUD will furnish electricity, the meter, and switching. The charges will be as follows:

System Infrastructure Fixed Charge per month..... \$8.65
Electricity Usage Charge (\$ per kWh) - all kWh..... \$0.0747

IV. Customer-owned, SMUD (District)-maintained — Rate Category SL_CODM (Closed to new customers and installations)

This rate is closed to new customers and installations effective January 1, 2014. Where the customer owns the street lighting equipment and SMUD supplies electricity, switching and, lamp servicing and maintenance, such service will be rendered for lamps and fixtures of sizes and types as SMUD has approved. The charge will be as follows:

Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0249

There is a separate monthly charge for maintaining each fixture and/or lamp. SMUD maintains a list of acceptable lamps and fixture types with standard ratings and the corresponding monthly maintenance charge.

This service is restricted to SMUD-approved locations.

Street Lighting Service Rate Schedule SLS

V. SMUD (District)-owned and maintained — Rate Categories SL_DOM and SL_DOM_M

Where the customer requests that SMUD install, operate, and maintain the entire street lighting system, such service will be provided with fixtures and lamps of sizes and types as approved by SMUD. This rate is restricted to streets that are defined as right-of-way held in public trust, and maintained by the applicable governmental jurisdiction. At SMUD’s sole discretion, streets not readily accessible to the general public will be served under the customer owned and maintained rates only.

Effective January 1, 2015, eligible street lighting customers requesting new installations of lamps or addition of new lamps to existing accounts default to the metered SL_DOM_M rate. Eligible street lighting customers will be served under the default rate when 1) five or more lamps are connected individually or in series to a single lighting circuit or SMUD point of service, or 2) as determined necessary by SMUD on its sole discretion. Street lighting customers who are not eligible for the default SL_DOM_M metered rate will be served under the SL_DOM rate.

There will be a separate monthly charge for installation and maintenance of each fixture (including lamps, refractors, ballasts, photo cells and other typical support equipment). These charges are based on the installation of street lighting fixtures of a design specified by SMUD and mounted by means of varying length brackets affixed to existing wood poles that are used to carry distribution system circuits.

When additional or alternative facilities are installed at the customer’s request, monthly charges will be assessed according to SMUD’s published charge schedule.

Effective January 1, 2015, the SL_DOM rate will be available only to new customers and installations that are not eligible for the SL_DOM_M metered rate.

A. Pricing

Rate Category SL_DOM, unmetered	
Electricity and Switching Charge (\$ per watt of connected load)	\$0.0249
Rate Category SL_DOM_M, metered	
System Infrastructure Fixed Charge per month or portion thereof	\$8.65
Electricity Usage (¢ per kWh) - all kWh	\$0.0747

B. Relocations and Changes

At the customer’s request, SMUD may, at its sole discretion, relocate existing equipment provided the customer reimburses net expense to SMUD incurred in connection therewith, including appropriate engineering and general expense.

At the customer’s request, SMUD may, at its sole discretion, replace existing equipment with new equipment prior to expiration of the existing equipment’s service life, provided the customer pays to SMUD an amount equal to the unrecovered cost, less salvage value, of the existing equipment to be retired and executes a fifteen-year contract for service effective with installation of the new equipment.

C. New Service

New service will require an initial contract term of 15 years effective with installation of the service. If service is terminated before the contract term, the customer will be responsible for an amount equal to the unrecovered cost, less salvage value, of the equipment installed.

Street Lighting Service Rate Schedule SLS

VI. Conditions of Service

- A. Service will be alternating current at a frequency of approximately 60 hertz, single phase, at voltages specified by SMUD. Lamps shall be controlled to operate from dusk to dawn each night so as to give approximately 4,000 hours of lighting service annually.
- B. When a customer requests that SMUD finance as well as install customer-owned street lighting equipment, provisions of Rule and Regulation 2 apply.
- C. Information on equipment that qualifies for rates on this schedule and the associated monthly charges is available, on SMUD's website, www.smud.org, or will be furnished upon request. SMUD will review this information at least once per year and update as necessary for additional approved equipment, technology improvements and pricing changes.
- D. SMUD will furnish a meter to provide service under the metered rate categories.

VII. Billing

- A. The manufacturer's rating in watts (including all auxiliary equipment) will be used as connected load.

B. Proration of Charges

Billing periods for nonstandard lengths will be billed as follows:

1. Service connected for 15 or more days during a billing period will be billed for a full month's service.
2. Service connected for 1-14 days during a billing period will not be billed for such partial month's service.
3. Service discontinued for 15 or more days during a billing period will not be billed for such partial month's service.
4. Service discontinued for 1-14 days during a billing period will be billed for a full month's service.

(End)

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Traffic Signal Service Rate Schedule TSS (*Closed to new customers*)

I. Applicability

This Rate Schedule 1-TSS applies to electric service for pedestrian and vehicular traffic signal units, together with related control devices where the mounting standards, control supports, and signal equipment are owned and maintained by the customer.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Rate (Rate Category SL_TSF)

Monthly Charges

For units not larger than 70 watts of connected load and not exceeding three lamps per unit,
the monthly charge **per unit** per month \$3.70

For units larger than 70 watts of connected load and not exceeding three lamps per unit,
the monthly charge **per lamp per watt** \$0.0260

The total charge per month being not less than \$3.70

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity surcharges that apply to all kWh usage.

A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.

B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Conditions of Service

1. Service shall be alternating current, at a frequency of approximately 60 hertz, single phase, at secondary voltages specified by SMUD.
2. No additional service will be provided by SMUD under Rate Schedule TSS. Upon notification by SMUD and installation of metering facilities, individual accounts will be transferred from Rate Schedule TSS to Rate Schedule TC ILS.

V. Billing

A. Connected Load

“Connected load” as used in this rate schedule shall be the sum of the capacities of all of the customer’s equipment that may be operated from SMUD’s lines at the same time.

B. Billing Periods of Nonstandard Length

Billing periods of nonstandard length will be billed as follows:

1. Service connected for 15 or more days during a billing period will be billed for a full month’s service.
2. Service connected for 1-14 days during a billing period will not be billed for such partial month’s service.
3. Service discontinued for 15 or more days during a billing period will not be billed for such partial month’s service.
4. Service discontinued for 1-14 days during a billing period will be billed for a full month’s service.

(End)

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Traffic Control Intersection Lighting Service Rate Schedule TC ILS

I. Applicability

This Rate Schedule 1-TC ILS applies to electric service for pedestrian and vehicular traffic signal units, together with related control devices and associated intersection lighting where the mounting, standards, control supports, signal equipment, and luminaires are owned and maintained by the customer.

For the purposes of the following prices a "month" is considered to be a single billing period of 27 to 34 days.

II. Rate (Rate Category TS_F, TS)

System Infrastructure Fixed Charge

For metering point per month or portion thereof..... \$5.15
Plus

Electricity Usage Charge

\$/ kWh \$0.0935

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity surcharges that apply to all kWh usage.

A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.

B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Conditions of Service

1. Service shall be alternating current, at a frequency of approximately 60 hertz, single phase, at secondary voltages specified by SMUD, and at service points mutually agreed upon between the customer and SMUD.
2. Lamps for intersection lighting shall be controlled to operate from dusk to dawn each night so as to give approximately 4,000 hours of lighting service annually.
3. Where the monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operation, SMUD may, with customer's consent, calculate electricity consumed in lieu of providing metering equipment (TS_F).

V. Billing

For billing periods of less than 27 days or more than 34 days, System Infrastructure Fixed Charges will be prorated on the basis of the relationship between the length of the billing period and 30 days. No proration will be made on first-time billing when the total period of service is less than 30 days.

(End)

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Outdoor Night Lighting Service Rate Schedule NLGT

I. Applicability

This Rate Schedule 1-NLGT applies to SMUD-owned and maintained outdoor overhead lighting service where Street Lighting Service Rate Schedule SLS does not apply. Service furnished under this schedule may be discontinued at any location where SMUD's overhead distribution facilities are relocated or converted to underground distribution facilities.

Lamps shall be supported on SMUD-owned poles that are used to carry distribution system circuits used for other SMUD purposes, and shall be at locations approved by SMUD.

II. Rate

Electricity and Switching Charge (\$ per watt of connected load) \$0.0249

There will be a separate monthly charge for installation and maintenance of each fixture (including lamps, refractors, ballasts, photocells and other typical support equipment). These charges are based upon the installation of street lighting fixtures of a design specified by SMUD and mounted by means of varying length brackets affixed to existing wood poles that are used to carry distribution system circuits.

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity surcharges that apply to all kWh usage.

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

IV. Lamp Servicing and Relocations

- A. Upon receipt of notice from the customer of failure that light fails to operate as scheduled, SMUD will, within a reasonable period of time, make the necessary repairs.
- B. SMUD will, at the customer's request, relocate existing outdoor lighting service equipment, provided the customer reimburses SMUD for the relocation cost.

V. Conditions of Service

- A. Service shall be alternating current at a frequency of approximately 60 hertz, single phase.
- B. Where new facilities are required in order to provide service for an applicant under this rate, SMUD may require a contract for service for a period not to exceed three years.
- C. Information on equipment that qualifies for this rate schedule and the associated monthly charge is available on the SMUD website, www.smud.org, or will be furnished upon request. SMUD will review this information at least annually and update as appropriate. SMUD retains the right to modify the listing of approved fixtures and lamps to accommodate changing technology or other business needs criteria.

VI. Billing

A. Connected Load

The manufacturer's rating in watts (including all auxiliary equipment) will be used as connected load.

Outdoor Night Lighting Service Rate Schedule NLGT

B. Proration of Charges

The monthly charge will be prorated during nonstandard billing periods. The following table shows the basis for the proration during these circumstances.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days
Bill period is longer than 34 days	

(End)

Residential and General Service Energy Assistance Program Rate Schedule EAPR

I. Applicability

This Rate Schedule 1-EAPR applies to customers receiving service under residential or general service rates who meet specific eligibility requirements.

II. Eligibility for Residential Customers

Eligibility for the Energy Assistance Program (EAPR) is determined by the following:

- A. The total gross household income must conform to the Income Guidelines as specified on the application;
- B. The customer must not be claimed as a dependent on another person's income tax return; and
- C. The service address on the application must be the customer's primary residence.

III. Discount for Residential Customers

Eligible residential customers will receive discounts as follows.

The maximum EAPR discount is \$49 per month for customers not on a well rate and \$61 a month for well rate customers. The calculation of the EAPR discount is the sum of the following components, up to the maximum:

1. The difference between the residential System Infrastructure Fixed charge (SIFC) of \$16.00 and the discounted SIFC for EAPR customers of \$6.50.
2. A discount of 40 percent applied to the electricity usage charges calculated at non-EAPR rates.

IV. Eligibility for Nonprofit Organizations

To be eligible for EAPR the nonprofit organization must meet the following requirements:

- A. The organization's qualifying site takes service directly from SMUD; and
- B. The organization meets the qualifications for a nonprofit public or private organization, as specified on the application; and
- C. The organization operates the qualifying site as residential unit(s) whose residents meet the Energy Assistance Program income guidelines.
 1. The primary function of the site shall be to provide a home (sleeping quarters) for low-income residents who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence.
 2. In support of the primary function that is provided by the nonprofit organization, associated facilities that provide daytime services for the homeless (such as personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility's square footage must be directly related to meeting these functions.

An energy survey of the residential unit(s) is recommended at the time of being placed on this program and implementation of recommended cost-effective energy efficiency measures is encouraged.

V. Discount for Nonprofit Organization

Eligible commercial customers will receive discounts as follows:

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Site Infrastructure Charge (kW) and summer super peak demand charge (kW) each billing period.
- B. The General Service *GSN_T* System Infrastructure Fixed Charge will be set at \$9.10 each billing period.
- C. The General Service *GSS_T* System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.

Residential and General Service Energy Assistance Program Rate Schedule EAPR

- D. The General Service rate schedules *GS-TOU1*, *GS-TOU2*, *GS-TOU3* System Infrastructure Fixed Charge will receive a 15 percent discount applied each billing period.

VI. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

VII. Conditions of Service

A. Application

To qualify for the Energy Assistance Program Rate, the customer must complete a SMUD application and submit requested supporting documents. Applications are processed by SMUD or SMUD's designated agent.

Residential customers must provide documentation for the total gross income for the household. Residential applications are available at SMUD's website, www.smud.org, or by calling SMUD customer service at 1-888-742-7683.

Nonprofit organizations must provide a copy of a valid determination or ruling letter from the Internal Revenue Service attesting to their charitable nonprofit status. Nonprofit Organization applications are available by calling SMUD customer service at 1-888-742-7683.

B. Verification

Upon request, applicants shall provide proof, satisfactory to SMUD or its designated agent, that they meet the eligibility requirements. Failure to provide proof as requested will be considered just cause for denial to the Energy Assistance Program Rate. It is the customer's responsibility to immediately notify SMUD or its designated agent when eligibility requirements change to the extent that the applicant no longer qualifies for this program. Applicants served under this program may be subject to annual review and/or verification. Any intent to defraud SMUD will result in rebilling of the applicant's bill and removal from the Energy Assistance Program Rate. SMUD reserves the right to take appropriate legal action as warranted.

VIII. Billing

The effective date of the Energy Assistance Program Rate will be the beginning of the billing period in which the request is approved. If participation is terminated, the effective termination date will be the beginning of the billing period in which the request is received or the cancellation date.

(End)

Distribution Wheeling Service Rate Schedule DWS

I. Applicability

This Rate Schedule 1-DWS is optional for customers requesting Distribution Wheeling Service. SMUD may, at its sole discretion, provide Distribution Wheeling Service to Independent Power Producers and Cogenerators, also referred to as Merchant Generators, within SMUD territory, who establish a need for this service. Wheeling service requests will be evaluated on a case by case basis and may be limited by availability of distribution system capacity. This rate has been developed for wholesale power transactions and SMUD will not wheel non-SMUD power to its retail customers under this rate.

This Rate Schedule 1-DWS is available to entities owning generating facilities that meet the following conditions:

- The entity's generating facility is connected to SMUD's distribution system; and
- The entity has a power purchase (offtake) agreement for the output of the generating facility with an entity other than SMUD; and
- Power delivery under the power purchase agreement occurs at a location outside of the SMUD system.

Under this service, the power from the associated generating facility will be wheeled (transferred) across SMUD's distribution system from the point of interconnection to SMUD's distribution system (Interconnection Point) to SMUD's bulk power system. Entities taking service under this rate schedule will also be required to take Transmission Wheeling Service from SMUD under the SMUD Open Access Transmission Tariff (OATT).

Service under this schedule is on a first-come, first-served basis and is available unless the usage of these wheeling facilities would be detrimental to SMUD. This schedule is available for interconnection of the qualified generating facility to the SMUD distribution system, wherever that may occur within the SMUD service territory.

II. Rates

Distribution Wheeling Charge	<u>12/21 kV*</u>	<u>69 kV*</u>
\$/kilowatt-month	\$6.124	\$1.423

* includes all path charges to SMUD's bulk power system

III. Conditions of Service

A. Application for Service

Any entity requesting service under this rate schedule must submit an application for Distribution Wheeling Service. Application for such service is available at the SMUD website, www.smud.org.

B. Required Service Contract

The entity taking wheeling service under the rate schedule shall execute a Distribution Wheeling Agreement (DWA) in accordance with SMUD Policy and Procedure 8-05.

C. Reservation Deposit

The entity requesting service under this rate schedule will be required to submit a deposit equal to one month of service under this rate. The deposit will be refundable up until the time that the entity commits to service by execution of the DWA. Once the DWA is executed, the reservation deposit becomes a nonrefundable payment for the first month of service under the rate schedule.

D. Term

Applicant must specify, at the time of application, the start date for the requested service. Applicant must also specify the duration that is requested for service. SMUD will accept applications for service up to 20 years.

Distribution Wheeling Service Rate Schedule DWS

E. Application Under SMUD'S OATT

Applicants must also make application for Transmission Service under SMUD's Open Access Transmission Tariff.

F. Definitions

The following definitions apply to this schedule:

1. Applicant: The entity requesting service under this rate schedule.
2. Distribution Wheeling: The transfer of Merchant Generator power at 12 kV, 21 kV, or 69 kV for delivery to a third party outside SMUD service territory.

G. Electrical Interconnection

Applicant must also make a request for interconnection that complies with SMUD's Rule and Regulation 21 process for interconnection, and must meet the requirements of Rule and Regulation 21, which include executing an Interconnection Agreement with SMUD. Any resources *not* meeting the Rule and Regulation 21 requirements will not be eligible for service under this schedule.

H. Metering Requirements

Distributed generation resources receiving service under this schedule shall comply with all applicable rules in installing metering equipment appropriate for full output monitoring agreements, and which can be read daily by electronic means acceptable to SMUD. The customer shall be responsible for procuring and maintaining any communication link required by SMUD for retrieving meter data.

IV. Line Losses

Merchant Generators taking service under this rate schedule will be assessed a line loss factor. Line losses will be applied as the electricity transitions from one voltage level to another. The line losses by voltage level are as follows:

<u>Voltage Level</u>	<u>Loss Factor</u>
12/21kV	4.06%
69kV	1.53%

SMUD reserves the right to update the line loss factor annually on January 1.

Line losses will be applied to the amount of generated electricity that is measured at the point of interconnection between the Merchant Generator's facility and SMUD's electrical system.

(End)

Appendix C. 2016 Rate Schedules

Appendix C - Table of Contents

The following listed sheets contain all effective rates, rules and regulations affecting rates and service, and information relating thereto, in effect on and after the date indicated. All rates are applicable to the territory served by SMUD.

	<u>Effective Date</u>	<u>Sheet Number</u>	<u>Page Number</u>
Table of Contents	Jan 1, 2016	i	
Rate Schedules			
R Residential Service	Jan 1, 2016	1-R-1-4	1
R Residential Time-Of-Use Service	Jan 1, 2016	1-R-TOU-1-5	5
GS General Service	Jan 1, 2016	1-GS-1-4	11
Energy Assistance Program	Jan 1, 2016	1-EAPR-1-2	15

(End)

Residential Service Rate Schedule R

I. Applicability

This Rate Schedule 1-R applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes; and
3. Master-metered service to a qualifying multifamily accommodation or mobile home park that is submetered to all single-family units or individual mobile homes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

Heating Type Availability	Electric Heat CLOSED* (to new customers)	Electric Heat OPEN	Nonelectric Heat OPEN
Rate Category	RSCH, RWCH	RSEH, RWEH	RSGH, RWGH
Winter Season – December 1 through March 31			
System Infrastructure Fixed Charge per month	\$18.00	\$18.00	\$18.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.1007	\$0.1036	\$0.1036
Base-Plus Usage per month \$/kWh	\$0.1578	\$0.1805	\$0.1805
Spring Season – April 1 through May 31 and Fall Season – October 1 through November 30			
System Infrastructure Fixed Charge per month	\$18.00	\$18.00	\$18.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.1007	\$0.1036	\$0.1036
Base-Plus Usage per month \$/kWh	\$0.1578	\$0.1805	\$0.1805
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$18.00	\$18.00	\$18.00
Electricity Usage Charge:			
Base Usage per month \$/kWh	\$0.1142	\$0.1142	\$0.1142
Base-Plus Usage per month \$/kWh	\$0.1870	\$0.1870	\$0.1870

* The *CLOSED* Electric Heat Rate was closed to new installations of electric heating equipment, effective May 1, 1996. Upon application for service, any new occupant to a premise currently on the *CLOSED* Rate Categories RSCH, RWCH, or RTCH will be placed on the applicable Open Electric Heat Rate RSEH, RWEH, or RTEH. Customers installing new electric heating that replaces the original qualifying system will be placed on the applicable Open Electric Heat Rate RSEH, RWEH, or RTEH.

III. Base Usage and Base-Plus Usage Quantities

Winter Season – December 1 through March 31 (Kilowatt-hours per month)			
Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	3,000	3,000	1,000
Base-Plus Usage kWh per month	> 3,000	> 3,000	> 1,000

Residential Service Rate Schedule R

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage maximum kWh per month	3,000	3,000	1,300
Base-Plus Usage kWh per month	> 3,000	> 3,000	> 1,300

Spring Season – April 1 through May 31 and

Fall Season – October 1 through November 30

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	3,000	3,000	1,000
Base-Plus Usage kWh per month	> 3,000	> 3,000	> 1,000

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage maximum kWh per month	3,000	3,000	1,300
Base-Plus Usage kWh per month	> 3,000	> 3,000	> 1,300

Summer Season – June 1 through September 30

(Kilowatt-hours per month)

Principal Rate Categories	RSCH	RSEH	RSGH
Base Usage maximum kWh per month	1,100	1,100	1,100
Base-Plus Usage kWh per month	> 1,100	> 1,100	> 1,100

Well Rate Categories	RWCH	RWEH	RWGH
Base Usage per month \$/kWh	1,400	1,400	1,400
Base-Plus Usage per month \$/kWh	> 1,400	> 1,400	> 1,400

IV. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

V. Rate Option Menu

- A. **Energy Assistance Program (Rate Categories with suffix “_E”).** Refer to Rate Schedule 1–EAPR.
- B. **Medical Equipment Discount Program (Rate Categories with suffix “_L”).** Refer to Rate Schedule 1–MED.
- C. **Joint Participation in Medical Equipment Discount and Energy Assistance Programs (Rate Categories with suffix “_EL”).** Refer to Rate Schedule 1–MED.
- D. **Time-of-Use Rate Option.** Refer to Rate Schedule 1- R-TOU.
- E. **Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating of less than 100 kW; and
4. The generator(s) are connected to SMUD’s electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Residential Service Rate Schedule R

Generator Standby Charge January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Charge, SMUD will continue to bill for all applicable charges under this rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power.

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

3. Fixed Greenergy Fee Options

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

H. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, www.smud.org.

I. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV). The RTEV rate is closed to new customers. Refer to SMUD's website, www.smud.org, for electric vehicle pilot rates.

J. Residential Three-Phase Service Option

This option is open to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month.....\$40.90

VI. Conditions of Service

A. Electric Heat Eligibility (Rate Categories RSCH, RSEH, RWCH, RWEH)

Residential Service Rate Schedule R

Residential customers with electric heating may qualify for an additional 500 kWh in Base Usage allowance during the winter season and an added 180 kWh in Base Usage allowance during the spring and fall seasons. To be eligible, the customer's electric heating system must be the sole source of domestic heating installed at the metered premise, except in the case of renewable heating sources, noted in criterion 4 listed below. In addition, the electric heating system must meet one of the following eligibility criteria that are further defined in Rule and Regulation 1:

1. An electric resistance heating system that was installed prior to September 1, 1980; or
2. An electric heating system that qualified under the Closed Electric Heat Rate before May 1, 1996;
3. A heat pump, including units with electric resistance backup;
4. An electric resistance heating system used to supplement a geothermal, solar, or other renewable fuel heating system.

Nonrenewable fuel sources for heating systems that do not qualify for the added residential electric heat Base Usage allowances include, but are not limited to:

- Fossil fuels such as natural gas, propane, gasoline, and oil; and
- Wood and pelletized fuels.

B. Domestic Well Eligibility (Rate Categories RWCH, RWEH, RWGH)

Residential customers who own and operate, on their premise, a well that is their sole source of domestic water, are eligible for an additional 300 kWh of monthly Base Usage quantity on the residential meter serving the well.

C. Master-Metered Multifamily Accommodation and Mobile Home Park Billing (Rate Category RSMM)

This rate is closed to new customers unless SMUD determines that it is not reasonable or feasible to provide service and meter the individual units directly.

The master-metered customer's electricity consumption will be billed under the Base Usage and Base-Plus Usage quantities using the ratio of the number of occupied single-family accommodations with electric or nonelectric heat to the total number of occupied single-family accommodations. The billing calculation will include applicable discounts to the Base Usage Charge and System Infrastructure Fixed Charge for qualifying energy assistance and medical equipment discount program participants. The customer must advise SMUD within 15 days following any change in the number of occupied single-family accommodations wired for electric service and/or any change in the number of qualifying medical equipment discount and/or energy assistance program participants, and/or new occupants of the existing premises with rate categories RSCH or RWCH.

VII. Billing

The Base Usage and Base-Plus Usage allowances will be prorated for nonstandard billing periods and when the billing period spans more than one season. The following table shows the basis for the proration in these circumstances. The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days. (Billing period days divided by 30).
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

(End)

Residential Time-of-Use Service Rate Schedule R-TOU

I. Applicability

This Rate Schedule 1-R-TOU applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

A. Option 1 Time-of-Use Rate (Rate Categories RTCH, RTEH, RTGH)

1. Option 1 has two periods in the winter season (October through May) and two periods in the summer season (June through September). The times of day when SMUD experiences more demand for electricity is called the on-peak; all other times are referred to as off-peak. The on-peak period applies only Monday through Friday and never on SMUD-observed holidays.
2. SMUD offers a trial time-of-use (TOU) option for residential customers who want to see if they benefit from this type of rate. Residential customers shall be entitled to a 12-month trial period for Option 1 Time-of-Use. The trial applies to the house load only and does not include any electric vehicle charging. At the end of the trial period the total electricity usage charges for the trial period will be compared to what the total electricity usage charges would have been on the applicable non-TOU rate for the same period. If the customer would have paid less during the trial period had they been on the applicable non-TOU rate, the customer will receive a credit for the difference after which either the Standard Rate or the Option 1 Time-of-Use Rate must be selected.
3. If customers formerly on a closed rate elect to remain on the Option 1 Time-of-Use Rate beyond the trial period, the customers forfeit their eligibility to return to the closed rate. Customers formerly on a closed electric rate will be placed on the otherwise applicable rates RSEH or RWEH.
4. If the Option 1 Time-of-Use Rate is selected at the end of the trial period, customers subsequently requesting a transfer from the Option 1 Time-of-Use Rate to the Standard Rate may not return to the Option 1 Time-of-Use Rate for a 12-month period. Customers returning to the Option 1 Time-of-Use Rate at the same premise are not entitled to an additional trial period.

B. Option 2 Time-of-Use (Rate Categories RTE5, RTC5, RTG5)

1. Option 2 has two periods in the winter season and three periods in the summer season. The time of day when SMUD experiences the most demand for electricity in the summer (June through September) is called super-peak; on each side of this time period is called on-peak; all other times are referred to as off-peak. The super-peak and on-peak periods apply only Monday through Friday and never on SMUD-observed holidays.
2. Option 2 is not a trial rate. Any electric heat customer transferring to this optional rate shall forfeit any eligibility for a rate that has been closed to new customers. Customers subsequently requesting a transfer from the Option 2 Time-of-Use Rate to the Standard Rate may not return to the Option 2 Time-of-Use Rate for a 12-month period.

C. Residential Thermal Energy Storage Option (Rate Category RTT); CLOSED to new customers

1. A residential customer whose premise is equipped with a Residential Thermal Energy Storage (RTES) system or who may have qualified by meeting the load criteria established for RTES including the lockout of space-conditioning compressors during the on-peak period, and who is billed on the Option 1 Time-of-Use Rate shall be entitled to a credit on the winter off-peak and summer off-peak and summer on-peak prices.
2. Rate Category RTT was closed to new occupants of premises equipped with RTES systems and to new installations of RTES systems, or other qualifying equipment, effective June 1, 1997. At the time of application for service, a new occupant of a premise currently on the CLOSED Rate Category RTT will be placed on the Option 1 Time-of-Use Rate (Rate Category RTE) and will be informed of other rate options available to them.

D. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV – Closed to New Participants)

Residential Time-of-Use Service Rate Schedule R-TOU

This option is for residential customers who own or lease licensed passenger battery electric, plug-in, or plug-in hybrid electric vehicles. This option is closed to new participants. Pilot rates for plug-in electric vehicle charging are available at SMUD's website, www.smud.org.

1. This option requires installation of a Time-of-Use meter on the charging location and will be billed under the Option 1 Time-of-Use Rate with a credit on the off-peak electricity usage charges.

Winter off-peak credit	-\$0.0243
Summer off-peak credit.....	-\$0.0271

2. The System Infrastructure Fixed Charge will be waived.
3. The Time-of-Use meter will be a submeter to the premise's main meter unless the customer, at his or her own expense, elects to have installed a separate panel and meter.
4. Due to the incompatibility of TOU periods, customers whose house load is billed on Option 2 TOU can only take vehicle charging service under the RTEV Rate by moving to another applicable residential rate or by installing a new panel and meter so that the PEV load is metered independently of the house load.
5. This rate does not have a trial period even though it is charged as Option 1 Time-of-Use.

II. Firm Service Rates

Rate Categories	Option 1 RTCH, RTEH, RTGH	RTES Credit RTT	Option 2 RTC5, RTE5, RTG5
Winter Season – October 1 through May 31			
System Infrastructure Fixed Charge per month	\$18.00	N/A	\$18.00
Electricity Use Charge			
On-Peak \$/kWh	\$0.1081	N/A	\$0.1077
Off-Peak \$/kWh	\$0.0998	-\$0.0061	\$0.0987
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$18.00	N/A	\$18.00
Electricity Use Charge			
Super-Peak \$/kWh	N/A	N/A	\$0.2404
On-Peak \$/kWh	\$0.2402	-\$0.0146	\$0.1594
Off-Peak \$/kWh	\$0.1112	-\$0.0068	\$0.0977

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

Residential Time-of-Use Service Rate Schedule R-TOU

IV. Rate Option Menu

- A. Energy Assistance Program.** The Energy Assistance Program discount is not available on the Residential Time-of-Use rates.
- B. Medical Equipment Discount Program.** The Medical Equipment discount is not available on the Residential Time-of-Use rates.
- C. Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates or leases one or more generators, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating less than 100 kW; and
4. The generator(s) are connected to SMUD's electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/ or to supply electricity during generator(s) maintenance service.

Generator Standby Service – January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected Residential TOU rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power. All energy provided to the customer by SMUD will be billed at the applicable Residential Time-of-Use Rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1–NEM.

- A. Net Energy Metering Option.** Refer to Rate Schedule 1-NEM for further details.

- B. Green Pricing Options**

- 1. SMUD Community Solar Option**

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

- 2. SMUD Renewable Energy Option**

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

- 3. Fixed Greenergy Fee Options**

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

- C. Special Metering Charge**

Residential Time-of-Use Service Rate Schedule R-TOU

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

D. Residential Three-Phase Service Option

This option applies to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month\$40.90

V. Conditions of Service

Option 1 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 7:00 a.m. and 10:00 a.m., and 5:00 p.m. and 8:00 p.m.
Summer Season On-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Option 2 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 12:00 noon and 10:00 p.m.
Summer Season On-Peak	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year’s Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln’s Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Proration of Charges

Residential Time-of-Use Service Rate Schedule R-TOU

The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

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General Service Rate Schedule GS

I. Applicability

This Rate Schedule 1-GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer's premise. This schedule is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. General Service customers include commercial and nonagricultural irrigation pumping accounts. This schedule also applies to General Service accounts with contract capacity of 299 kW or less. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a "month" is considered to be a single billing period of 27 to 34 days.

A. Small Nondemand Service (GSN_T)

This rate applies to General Service accounts with a monthly maximum demand of 20 kW or less. Whenever the monthly maximum demand exceeds 20 kW for three consecutive months and the monthly energy usage is at least 7,300 kWh for three consecutive months within a 12-month period, the account will be billed on the applicable demand rate. To return to the nondemand rate, the monthly maximum demand must be 20 kW or less for 12-consecutive months.

B. Small Nondemand, Nonmetered Service (GFN)

This rate applies to General Service accounts where an account's monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operation, SMUD, at its discretion, and with the customer's consent, will calculate electricity consumed in lieu of providing metering equipment. The calculated electricity consumption will be billed at the average of the GSN_T rate's annual electricity usage charges.

C. Small Demand Service (GSS_T)

This rate applies to General Service accounts with a monthly maximum demand of at least 21 kW but does not exceed 299 kW and monthly energy usage of at least 7,300 kWh within a 12-month period. The customer will be billed on this demand rate unless the monthly maximum demand falls below 21 kW for 12 consecutive months or the monthly maximum kW exceeds 299 kW for three consecutive months.

II. Firm Service Rates

Rate Category	Nondemand GSN_T	Flat GFN	Demand GSS_T
Winter Season - October 1 through May 31			
System Infrastructure Fixed Charge - per month per meter	\$18.00	\$8.45	\$23.10
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$7.14
Electricity Usage Charge			
All day \$/kWh	\$0.1243	\$0.1278	\$0.0962
Summer Season - June 1 through September 30			
System Infrastructure Fixed Charge - per month per meter	\$18.00	\$8.45	\$23.10
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$7.14
Electricity Usage Charge			
On-peak \$/kWh	\$0.2839	\$0.1278	\$0.2455
Off-peak \$/kWh	\$0.1052	\$0.1278	\$0.0852

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

A. Solar Surcharge. Refer to Rate Schedule 1-SB1.

B. Hydro Generation Adjustment (HGA). Refer to Rate Schedule 1-HGA.

General Service Rate Schedule GS

IV. Rate Option Menu

A. Energy Assistance Program for Nonprofit Agencies. Refer to Rate Schedule 1-EAPR.

B. Campus Rates. Refer to Rate Schedule 1-CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

E. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

F. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

G. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through

General Service Rate Schedule GS

provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. *Secondary Service Voltage*

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. *Primary Service Voltage*

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. *Subtransmission Service Voltage*

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. **Adjustment (charge per month varies)**

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \quad \times \quad [(95\% \div \text{Power Factor}) - 1] \quad \times \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate per excess KVAR\$0.0103

2. **Waiver Contract (charge per month is set for the term of the waiver)**

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract.

The waiver amount per month is calculated:

$$\text{Excess KVAR} \quad \times \quad \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR \$0.2719

D. Winter (October 1 – May 31) All hours are off-peak.

General Service Rate Schedule GS

E. Summer Time-of-Use Billing Periods (June 1 – September 30)

On-Peak	Summer weekdays between 3:00 p.m. and 6:00 p.m.
Off-Peak	All other hours, including holidays shown below

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln's Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD's sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

(End)

Residential and General Service Energy Assistance Program Rate Schedule EAPR

I. Applicability

This Rate Schedule 1-EAPR applies to customers receiving service under residential or general service rates who meet specific eligibility requirements.

II. Eligibility for Residential Customers

Eligibility for the Energy Assistance Program (EAPR) is determined by the following:

- A. The total gross household income must conform to the Income Guidelines as specified on the application;
- B. The customer must not be claimed as a dependent on another person's income tax return; and
- C. The service address on the application must be the customer's primary residence.

III. Discount for Residential Customers

Eligible residential customers will receive discounts as follows.

The maximum EAPR discount is \$43 per month for customers not on a well rate and \$55 a month for well rate customers. The calculation of the EAPR discount is the sum of the following components, up to the maximum:

1. The difference between the residential System Infrastructure Fixed charge (SIFC) of \$18.00 and the discounted SIFC for EAPR customers of \$7.50.
2. A discount of 44 percent applied to the electricity usage charges calculated at non-EAPR rates.

IV. Eligibility for Nonprofit Organizations

To be eligible for EAPR the nonprofit organization must meet the following requirements:

- A. The organization's qualifying site takes service directly from SMUD; and
- B. The organization meets the qualifications for a nonprofit public or private organization, as specified on the application; and
- C. The organization operates the qualifying site as residential unit(s) whose residents meet the Energy Assistance Program income guidelines.
 1. The primary function of the site shall be to provide a home (sleeping quarters) for low-income residents who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence.
 2. In support of the primary function that is provided by the nonprofit organization, associated facilities that provide daytime services for the homeless (such as personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility's square footage must be directly related to meeting these functions.

An energy survey of the residential unit(s) is recommended at the time of being placed on this program and implementation of recommended cost-effective energy efficiency measures is encouraged.

V. Discount for Nonprofit Organization

Eligible commercial customers will receive discounts as follows:

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Site Infrastructure Charge (kW) and summer super peak demand charge (kW) each billing period.
- B. The General Service *GSN_T* System Infrastructure Fixed Charge will be set at \$11.10 each billing period.
- C. The General Service *GSS_T* System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.

Residential and General Service Energy Assistance Program Rate Schedule EAPR

- D. The General Service rate schedules *GS-TOU1*, *GS-TOU2*, *GS-TOU3* System Infrastructure Fixed Charge will receive a 15 percent discount applied each billing period.

VI. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

VII. Conditions of Service

A. Application

To qualify for the Energy Assistance Program Rate, the customer must complete a SMUD application and submit requested supporting documents. Applications are processed by SMUD or SMUD's designated agent.

Residential customers must provide documentation for the total gross income for the household. Residential applications are available at SMUD's website, www.smud.org, or by calling SMUD customer service at 1-888-742-7683.

Nonprofit organizations must provide a copy of a valid determination or ruling letter from the Internal Revenue Service attesting to their charitable nonprofit status. Nonprofit Organization applications are available by calling SMUD customer service at 1-888-742-7683.

B. Verification

Upon request, applicants shall provide proof, satisfactory to SMUD or its designated agent, that they meet the eligibility requirements. Failure to provide proof as requested will be considered just cause for denial to the Energy Assistance Program Rate. It is the customer's responsibility to immediately notify SMUD or its designated agent when eligibility requirements change to the extent that the applicant no longer qualifies for this program. Applicants served under this program may be subject to annual review and/or verification. Any intent to defraud SMUD will result in rebilling of the applicant's bill and removal from the Energy Assistance Program Rate. SMUD reserves the right to take appropriate legal action as warranted.

VIII. Billing

The effective date of the Energy Assistance Program Rate will be the beginning of the billing period in which the request is approved. If participation is terminated, the effective termination date will be the beginning of the billing period in which the request is received or the cancellation date.

(End)

Appendix D. 2017 Rate Schedules

Appendix D - Table of Contents

The following listed sheets contain all effective rates, rules and regulations affecting rates and service, and information relating thereto, in effect on and after the date indicated. All rates are applicable to the territory served by SMUD.

	<u>Effective Date</u>	<u>Sheet Number</u>	<u>Page Number</u>
Table of Contents	Jan 1, 2017	i	
Rate Schedules			
R Residential Service	Jan 1, 2017	1-R-1-3	1
R Residential Time-Of-Use Service	Jan 1, 2017	1-R-TOU-1-5	5
GS General Service	Jan 1, 2017	1-GS-1-4	11
Energy Assistance Program	Jan 1, 2017	1-EAPR-1-2	15

(End)

Residential Service Rate Schedule R

I. Applicability

This Rate Schedule 1-R applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes; and
3. Master-metered service to a qualifying multifamily accommodation or mobile home park that is submetered to all single-family units or individual mobile homes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

II. Firm Service Rates

All Residential Customers (RSCH, RWCH, RSEH, RWEH, RSGH, RWGH)

Winter Season – October 1 through May 31

System Infrastructure Fixed Charge per month \$20.00

Electricity Usage Charge:

All kWh usage per month \$/kWh \$0.1060

Summer Season – June 1 through September 30

System Infrastructure Fixed Charge per month \$20.00

Electricity Usage Charge:

All kWh usage per month \$/kWh \$0.1215

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

IV. Rate Option Menu

- A. **Energy Assistance Program (Rate Categories with suffix “_E”).** Refer to Rate Schedule 1–EAPR.
- B. **Medical Equipment Discount Program (Rate Categories with suffix “_L”).** Refer to Rate Schedule 1–MED.
- C. **Joint Participation in Medical Equipment Discount and Energy Assistance Programs (Rate Categories with suffix “_EL”).** Refer to Rate Schedule 1–MED.
- D. **Time-of-Use Rate Option.** Refer to Rate Schedule 1- R-TOU.
- E. **Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating of less than 100 kW; and
4. The generator(s) are connected to SMUD’s electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Residential Service Rate Schedule R

Generator Standby Charge January 1 through December 31
\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Charge, SMUD will continue to bill for all applicable charges under this rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power.

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

F. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

G. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

3. Fixed Greenergy Fee Options

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....\$6.00
Fixed Greenergy Advocate.....\$3.00

H. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, www.smud.org.

I. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV). The RTEV rate is closed to new customers. Refer to SMUD's website, www.smud.org, for electric vehicle pilot rates.

J. Residential Three-Phase Service Option

This option is open to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31
Special Facilities fee per month.....\$40.90

Residential Service Rate Schedule R

V. Conditions of Service

A. Electric Heat Eligibility (Rate Categories RSCH, RSEH, RWCH, RWEH)

Residential customers with electric heating may qualify for an additional 500 kWh in Base Usage allowance during the winter season and an added 180 kWh in Base Usage allowance during the spring and fall seasons. To be eligible, the customer's electric heating system must be the sole source of domestic heating installed at the metered premise, except in the case of renewable heating sources, noted in criterion 4 listed below. In addition, the electric heating system must meet one of the following eligibility criteria that are further defined in Rule and Regulation 1:

1. An electric resistance heating system that was installed prior to September 1, 1980; or
2. An electric heating system that qualified under the Closed Electric Heat Rate before May 1, 1996;
3. A heat pump, including units with electric resistance backup;
4. An electric resistance heating system used to supplement a geothermal, solar, or other renewable fuel heating system.

Nonrenewable fuel sources for heating systems that do not qualify for the added residential electric heat Base Usage allowances include, but are not limited to:

- Fossil fuels such as natural gas, propane, gasoline, and oil; and
- Wood and pelletized fuels.

B. Domestic Well Eligibility (Rate Categories RWCH, RWEH, RWGH)

Residential customers who own and operate, on their premise, a well that is their sole source of domestic water, are eligible for an additional 300 kWh of monthly Base Usage quantity on the residential meter serving the well.

C. Master-Metered Multifamily Accommodation and Mobile Home Park Billing (Rate Category RSMM)

This rate is closed to new customers unless SMUD determines that it is not reasonable or feasible to provide service and meter the individual units directly.

The master-metered customer's electricity consumption will be billed under the Base Usage and Base-Plus Usage quantities using the ratio of the number of occupied single-family accommodations with electric or nonelectric heat to the total number of occupied single-family accommodations. The billing calculation will include applicable discounts to the Base Usage Charge and System Infrastructure Fixed Charge for qualifying energy assistance and medical equipment discount program participants. The customer must advise SMUD within 15 days following any change in the number of occupied single-family accommodations wired for electric service and/or any change in the number of qualifying medical equipment discount and/or energy assistance program participants, and/or new occupants of the existing premises with rate categories RSCH or RWCH.

VI. Billing

The Base Usage and Base-Plus Usage allowances will be prorated for nonstandard billing periods and when the billing period spans more than one season. The following table shows the basis for the proration in these circumstances. The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days. (Billing period days divided by 30).
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

(End)

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Residential Time-of-Use Service Rate Schedule R-TOU

I. Applicability

This Rate Schedule 1-R-TOU applies to single- and three-phase service for the following types of residential premises:

1. Individually metered residences including single-family homes, duplexes, apartments, and condominiums; and
2. General farm service where the meter also serves the residence or additional meters on a farm where the electricity consumed is solely for domestic purposes.

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

A. Option 1 Time-of-Use Rate (Rate Categories RTCH, RTEH, RTGH)

1. Option 1 has two periods in the winter season (October through May) and two periods in the summer season (June through September). The times of day when SMUD experiences more demand for electricity is called the on-peak; all other times are referred to as off-peak. The on-peak period applies only Monday through Friday and never on SMUD-observed holidays.
2. SMUD offers a trial time-of-use (TOU) option for residential customers who want to see if they benefit from this type of rate. Residential customers shall be entitled to a 12-month trial period for Option 1 Time-of-Use. The trial applies to the house load only and does not include any electric vehicle charging. At the end of the trial period the total electricity usage charges for the trial period will be compared to what the total electricity usage charges would have been on the applicable non-TOU rate for the same period. If the customer would have paid less during the trial period had they been on the applicable non-TOU rate, the customer will receive a credit for the difference after which either the Standard Rate or the Option 1 Time-of-Use Rate must be selected.
3. If customers formerly on a closed rate elect to remain on the Option 1 Time-of-Use Rate beyond the trial period, the customers forfeit their eligibility to return to the closed rate. Customers formerly on a closed electric rate will be placed on the otherwise applicable rates RSEH or RWEH.
4. If the Option 1 Time-of-Use Rate is selected at the end of the trial period, customers subsequently requesting a transfer from the Option 1 Time-of-Use Rate to the Standard Rate may not return to the Option 1 Time-of-Use Rate for a 12-month period. Customers returning to the Option 1 Time-of-Use Rate at the same premise are not entitled to an additional trial period.

B. Option 2 Time-of-Use (Rate Categories RTE5, RTC5, RTG5)

1. Option 2 has two periods in the winter season and three periods in the summer season. The time of day when SMUD experiences the most demand for electricity in the summer (June through September) is called super-peak; on each side of this time period is called on-peak; all other times are referred to as off-peak. The super-peak and on-peak periods apply only Monday through Friday and never on SMUD-observed holidays.
2. Option 2 is not a trial rate. Any electric heat customer transferring to this optional rate shall forfeit any eligibility for a rate that has been closed to new customers. Customers subsequently requesting a transfer from the Option 2 Time-of-Use Rate to the Standard Rate may not return to the Option 2 Time-of-Use Rate for a 12-month period.

C. Residential Thermal Energy Storage Option (Rate Category RTT); CLOSED to new customers

1. A residential customer whose premise is equipped with a Residential Thermal Energy Storage (RTES) system or who may have qualified by meeting the load criteria established for RTES including the lockout of space-conditioning compressors during the on-peak period, and who is billed on the Option 1 Time-of-Use Rate shall be entitled to a credit on the winter off-peak and summer off-peak and summer on-peak prices.
2. Rate Category RTT was closed to new occupants of premises equipped with RTES systems and to new installations of RTES systems, or other qualifying equipment, effective June 1, 1997. At the time of application for service, a new occupant of a premise currently on the CLOSED Rate Category RTT will be placed on the Option 1 Time-of-Use Rate (Rate Category RTE) and will be informed of other rate options available to them.

D. Plug-In Electric Vehicle (PEV) Option (Rate Category RTEV – Closed to New Participants)

Residential Time-of-Use Service Rate Schedule R-TOU

This option is for residential customers who own or lease licensed passenger battery electric, plug-in, or plug-in hybrid electric vehicles. This option is closed to new participants. Pilot rates for plug-in electric vehicle charging are available at SMUD’s website, www.smud.org.

1. This option requires installation of a Time-of-Use meter on the charging location and will be billed under the Option 1 Time-of-Use Rate with a credit on the off-peak electricity usage charges.

Winter off-peak credit	-\$0.0243
Summer off-peak credit.....	-\$0.0271

2. The System Infrastructure Fixed Charge will be waived.
3. The Time-of-Use meter will be a submeter to the premise’s main meter unless the customer, at his or her own expense, elects to have installed a separate panel and meter.
4. Due to the incompatibility of TOU periods, customers whose house load is billed on Option 2 TOU can only take vehicle charging service under the RTEV Rate by moving to another applicable residential rate or by installing a new panel and meter so that the PEV load is metered independently of the house load.
5. This rate does not have a trial period even though it is charged as Option 1 Time-of-Use.

II. Firm Service Rates

Rate Categories	Option 1 RTCH, RTEH, RTGH	RTES Credit RTT	Option 2 RTC5, RTE5, RTG5
Winter Season – October 1 through May 31			
System Infrastructure Fixed Charge per month	\$20.00	N/A	\$20.00
Electricity Use Charge			
On-Peak \$/kWh	\$0.1054	N/A	\$0.1050
Off-Peak \$/kWh	\$0.0971	\$0	\$0.0960
Summer Season – June 1 through September 30			
System Infrastructure Fixed Charge per month	\$20.00	N/A	\$20.00
Electricity Use Charge			
Super-Peak \$/kWh	N/A	N/A	\$0.2377
On-Peak \$/kWh	\$0.2375	-\$0	\$0.1567
Off-Peak \$/kWh	\$0.1085	-\$0	\$0.0950

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

Residential Time-of-Use Service Rate Schedule R-TOU

IV. Rate Option Menu

- A. Energy Assistance Program.** The Energy Assistance Program discount is not available on the Residential Time-of-Use rates.
- B. Medical Equipment Discount Program.** The Medical Equipment discount is not available on the Residential Time-of-Use rates.
- C. Generator Standby Service Option**

Generator Standby Service applies when all of the following conditions are met:

1. The customer owns and operates or leases one or more generators, sited on the customer premise, that serves all or part of the customer’s load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) have a combined nameplate rating less than 100 kW; and
4. The generator(s) are connected to SMUD’s electrical system; and
5. SMUD is required to have resources available to provide supplemental service, backup electricity and/ or to supply electricity during generator(s) maintenance service.

Generator Standby Service – January 1 through December 31

\$/kW of Contract Capacity per month.....\$6.25

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected Residential TOU rate. These charges include System Infrastructure Fixed Charges and electricity usage charges for SMUD-provided power. All energy provided to the customer by SMUD will be billed at the applicable Residential Time-of-Use Rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1–NEM.

- A. Net Energy Metering Option.** Refer to Rate Schedule 1-NEM for further details.

- B. Green Pricing Options**

- 1. SMUD Community Solar Option**

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and currently identified projects.

- 2. SMUD Renewable Energy Option**

Customers electing this premium power service will receive an additional monthly electricity usage charge of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

- 3. Fixed Greenergy Fee Options**

Customers may opt to support SMUD renewable energy purchases through one of the following monthly fees:

Fixed Greenergy All Renewables.....	\$6.00
Fixed Greenergy Advocate.....	\$3.00

- C. Special Metering Charge**

Residential Time-of-Use Service Rate Schedule R-TOU

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

D. Residential Three-Phase Service Option

This option applies to customers located in areas where three-phase service is available. A Special Facilities fee is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month\$40.90

V. Conditions of Service

Option 1 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 7:00 a.m. and 10:00 a.m., and 5:00 p.m. and 8:00 p.m.
Summer Season On-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Option 2 Time-of-Use Billing Periods

Winter Season On-Peak	Weekdays between 12:00 noon and 10:00 p.m.
Summer Season On-Peak	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
Summer Super-Peak	Weekdays between 2:00 p.m. and 8:00 p.m.
Off-Peak	All other hours, including holidays shown below.

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year’s Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln’s Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Proration of Charges

Residential Time-of-Use Service Rate Schedule R-TOU

The monthly System Infrastructure Fixed Charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The monthly System Infrastructure Fixed Charge is determined by the billing period end date.

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General Service Rate Schedule GS

I. Applicability

This Rate Schedule 1-GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer’s premise. This schedule is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. General Service customers include commercial and nonagricultural irrigation pumping accounts. This schedule also applies to General Service accounts with contract capacity of 299 kW or less. The demand for any month shall be the maximum 15-minute kW delivery during the month. For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days.

A. Small Nondemand Service (GSN_T)

This rate applies to General Service accounts with a monthly maximum demand of 20 kW or less. Whenever the monthly maximum demand exceeds 20 kW for three consecutive months and the monthly energy usage is at least 7,300 kWh for three consecutive months within a 12-month period, the account will be billed on the applicable demand rate. To return to the nondemand rate, the monthly maximum demand must be 20 kW or less for 12-consecutive months.

B. Small Nondemand, Nonmetered Service (GFN)

This rate applies to General Service accounts where an account’s monthly consumption of electricity is consistently small or can be predetermined with reasonable accuracy by reference to the capacity of equipment served and the hours of operation, SMUD, at its discretion, and with the customer’s consent, will calculate electricity consumed in lieu of providing metering equipment. The calculated electricity consumption will be billed at the average of the GSN_T rate’s annual electricity usage charges.

C. Small Demand Service (GSS_T)

This rate applies to General Service accounts with a monthly maximum demand of at least 21 kW but does not exceed 299 kW and monthly energy usage of at least 7,300 kWh within a 12-month period. The customer will be billed on this demand rate unless the monthly maximum demand falls below 21 kW for 12 consecutive months or the monthly maximum kW exceeds 299 kW for three consecutive months.

II. Firm Service Rates

Rate Category	Nondemand GSN_T	Flat GFN	Demand GSS_T
Winter Season - October 1 through May 31			
System Infrastructure Fixed Charge - per month per meter	\$20.00	\$8.45	\$23.10
Site Infrastructure Charge <i>(per 12 months max kW or contract capacity)</i>	n/a	n/a	\$7.14
Electricity Usage Charge			
All day \$/kWh	\$0.1220	\$0.1278	\$0.0962
Summer Season - June 1 through September 30			
System Infrastructure Fixed Charge - per month per meter	\$20.00	\$8.45	\$23.10
Site Infrastructure Charge <i>(per 12 months max kW or contract capacity)</i>	n/a	n/a	\$7.14
Electricity Usage Charge			
On-peak \$/kWh	\$0.2816	\$0.1278	\$0.2455
Off-peak \$/kWh	\$0.1029	\$0.1278	\$0.0852

III. Electricity Usage Surcharges

Refer to the following rate schedules for details on these surcharges:

- A. **Solar Surcharge.** Refer to Rate Schedule 1-SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1-HGA.

General Service Rate Schedule GS

IV. Rate Option Menu

A. Energy Assistance Program for Nonprofit Agencies. Refer to Rate Schedule 1-EAPR.

B. Campus Rates. Refer to Rate Schedule 1-CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic system to offset their on-site energy usage may request, in writing, within 30 days of the project completion and commissioning, an adjustment to their billing demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted billing demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

1. The customer has generation, sited on the customer premise, that serves all or part of the customer's load; and
2. The generator(s) are not fueled by a renewable resource; and
3. The generator(s) are connected to SMUD's electrical system; and
4. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
	\$6.25	\$4.95	\$2.50

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under this rate schedule, including, but not limited to, System Infrastructure Fixed Charges, Site Infrastructure Charges, and electricity usage charges for SMUD-provided power.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedule 1-NEM.

E. Net Energy Metering Option. Refer to Rate Schedule 1-NEM.

F. Green Pricing Options

1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward the installation of a photoelectric system at a selected community locale. Refer to the SMUD website, www.smud.org, for further information on monthly contribution options and projects.

2. SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2 cent and no greater than 2 cents per kWh. SMUD may offer up to three premium rate options representing various blends of renewable resources and/or renewable energy credits within the 1/2 cent to 2 cent range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure at or below the 2 cent premium limit.

G. Special Metering Charge

For customers who purchase and install additional equipment and software identified by SMUD meter specialists as necessary for load data collection and transfer to electronic media outside SMUD, SMUD will charge a monthly service fee to cover maintenance, software support and licensing fees. Payment for this nonstandard equipment and service will be made through

General Service Rate Schedule GS

provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, www.smud.org.

V. Conditions of Service

A. Type of Electric Service

SMUD will provide customers on this rate schedule standard, firm service consisting of a continuous and sufficient supply of electricity.

B. Service Voltage Definition

The following defines the three voltage classes available. The rate will be determined by the voltage level at which service is provided according to the following:

1. *Secondary Service Voltage*

This service class provides power at voltage levels below 12 kilo-Volts (kV), or at a level not otherwise defined as “Primary” or “Subtransmission.”

2. *Primary Service Voltage*

This service class provides power at a voltage level of 12 kV or 21 kV. To be eligible for Primary Service Voltage, the customer’s monthly demand must exceed 299 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

3. *Subtransmission Service Voltage*

This subtransmission service class provides power at a voltage level of 69 kV or as otherwise defined by SMUD. To be eligible for voltage service at this level, the customer’s monthly demand must exceed 499 kW, the voltage must be available in the area being served, and SMUD must approve the arrangement for power provision.

C. Power Factor Adjustment or Waiver

1. **Adjustment (charge per month varies)**

Accounts on a demand rate are subject to a power factor (PF) adjustment charge. When a customer’s monthly power factor falls below 95 percent leading or lagging, the following billing adjustment will apply:

$$\text{Electricity Usage} \quad \times \quad [(95\% \div \text{Power Factor}) - 1] \quad \times \quad \text{Power Factor Adjustment Rate}$$

Electricity Usage: the total monthly kWh for the account

Power Factor: the lesser of the customer’s monthly power factor or 95 percent

Power Factor Adjustment Rate per excess KVAR\$0.0103

2. **Waiver Contract (charge per month is set for the term of the waiver)**

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract.

The waiver amount per month is calculated:

$$\text{Excess KVAR} \quad \times \quad \text{Waiver Rate}$$

Excess KVAR: Maximum 12-month KVAR in excess of 32.868 percent of kW

Waiver Rate per excess KVAR \$0.2719

D. Winter (October 1 – May 31) All hours are off-peak.

General Service Rate Schedule GS

E. Summer Time-of-Use Billing Periods (June 1 – September 30)

On-Peak	Summer weekdays between 3:00 p.m. and 6:00 p.m.
Off-Peak	All other hours, including holidays shown below

Off-peak pricing shall apply during the following holidays:

<u>Holiday</u>	<u>Month</u>	<u>Date</u>
New Year’s Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Lincoln’s Birthday	February	12
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Independence Day	July	4
Labor Day	September	First Monday
Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VI. Billing

A. Meter Data

Meter data for service rendered in accordance with this rate will not be combined for billing purposes unless SMUD determines it is necessary or convenient to do so.

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one season. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

Billing Circumstance	Basis for Proration
Bill period is shorter than 27 days	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days	
Seasons overlap within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season.

C. Contract Capacity

Use of Contract Capacity for billing is at SMUD’s sole discretion. Refer to Rule and Regulation 1 and Rule and Regulation 6.

D. Discontinuance of Service

Any customer resuming service at the same premise within 12 months after discontinuing service will be required to pay the System Infrastructure Fixed Charges and Site Infrastructure Charges that would have been billed if service had not been discontinued, except when a customer agrees to lock out service during the full period. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be waived during each of those months. Retroactive billing shall be at SMUD’s sole discretion.

(End)

Residential and General Service Energy Assistance Program Rate Schedule EAPR

I. Applicability

This Rate Schedule 1-EAPR applies to customers receiving service under residential or general service rates who meet specific eligibility requirements.

II. Eligibility for Residential Customers

Eligibility for the Energy Assistance Program (EAPR) is determined by the following:

- A. The total gross household income must conform to the Income Guidelines as specified on the application;
- B. The customer must not be claimed as a dependent on another person's income tax return; and
- C. The service address on the application must be the customer's primary residence.

III. Discount for Residential Customers

Eligible residential customers will receive discounts as follows.

The maximum EAPR discount is \$42 per month for customers not on a well rate and \$54 a month for well rate customers. The calculation of the EAPR discount is the sum of the following components, up to the maximum:

1. The difference between the residential System Infrastructure Fixed charge (SIFC) of \$20.00 and the discounted SIFC for EAPR customers of \$8.50.
2. A discount of 48 percent applied to the electricity usage charges calculated at non-EAPR rates.

IV. Eligibility for Nonprofit Organizations

To be eligible for EAPR the nonprofit organization must meet the following requirements:

- A. The organization's qualifying site takes service directly from SMUD; and
- B. The organization meets the qualifications for a nonprofit public or private organization, as specified on the application; and
- C. The organization operates the qualifying site as residential unit(s) whose residents meet the Energy Assistance Program income guidelines.
 1. The primary function of the site shall be to provide a home (sleeping quarters) for low-income residents who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence.
 2. In support of the primary function that is provided by the nonprofit organization, associated facilities that provide daytime services for the homeless (such as personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility's square footage must be directly related to meeting these functions.

An energy survey of the residential unit(s) is recommended at the time of being placed on this program and implementation of recommended cost-effective energy efficiency measures is encouraged.

V. Discount for Nonprofit Organization

Eligible commercial customers will receive discounts as follows:

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Site Infrastructure Charge (kW) and summer super peak demand charge (kW) each billing period.
- B. The General Service *GSN_T* System Infrastructure Fixed Charge will be set at \$13.10 each billing period.
- C. The General Service *GSS_T* System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.

Residential and General Service Energy Assistance Program Rate Schedule EAPR

- D. The General Service rate schedules *GS-TOU1*, *GS-TOU2*, *GS-TOU3* System Infrastructure Fixed Charge will receive a 15 percent discount applied each billing period.

VI. Electricity Usage Surcharges

Refer to the following rate schedules for details on electricity usage surcharges that apply to all kWh.

- A. **Solar Surcharge.** Refer to Rate Schedule 1–SB1.
- B. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 1–HGA.

VII. Conditions of Service

A. Application

To qualify for the Energy Assistance Program Rate, the customer must complete a SMUD application and submit requested supporting documents. Applications are processed by SMUD or SMUD's designated agent.

Residential customers must provide documentation for the total gross income for the household. Residential applications are available at SMUD's website, www.smud.org, or by calling SMUD customer service at 1-888-742-7683.

Nonprofit organizations must provide a copy of a valid determination or ruling letter from the Internal Revenue Service attesting to their charitable nonprofit status. Nonprofit Organization applications are available by calling SMUD customer service at 1-888-742-7683.

B. Verification

Upon request, applicants shall provide proof, satisfactory to SMUD or its designated agent, that they meet the eligibility requirements. Failure to provide proof as requested will be considered just cause for denial to the Energy Assistance Program Rate. It is the customer's responsibility to immediately notify SMUD or its designated agent when eligibility requirements change to the extent that the applicant no longer qualifies for this program. Applicants served under this program may be subject to annual review and/or verification. Any intent to defraud SMUD will result in rebilling of the applicant's bill and removal from the Energy Assistance Program Rate. SMUD reserves the right to take appropriate legal action as warranted.

VIII. Billing

The effective date of the Energy Assistance Program Rate will be the beginning of the billing period in which the request is approved. If participation is terminated, the effective termination date will be the beginning of the billing period in which the request is received or the cancellation date.

(End)