



**Chief Executive Officer and General  
Manager's Report and Recommendation**  
.....  
on New & Revised Rates and Services  
.....

April 2, 2015 • Volume 2

Powering forward. Together.



# **2016 Rates, Rules and Regulations**

# 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>
Preliminary Statement .....		iii	
<b>Rate Schedules</b>			
R Residential Service .....	Jan 1, 2016	1-R-1-4	1
R Residential Time-Of-Use Service .....	Jan 1, 2016	1-R-TOU-1-3	5
R-SPO Residential Time-Of-Use Service .....	Jan 1, 2016	1-R-SPO-1-4	8
GS General Service .....	Jan 1, 2016	1-GS-1-4	12
GS-LEG General Service .....	Jan 1, 2016	1-GS-LEG-1-5	16
AG Agricultural .....	Jan 1, 2016	1-AG-1-5	21
GS-TOU1 Large General Service Time-of-Use .....	Jan 1, 2016	1-GS-TOU1-1-4	26
GS-TOU2 Medium General Service Time-of-Use .....	Jan 1, 2016	1-GS-TOU2-1-4	30
GS-TOU3 Small General Service Time-of-Use .....	Jan 1, 2016	1-GS-TOU3-1-4	34
GS-TDP General Service Temperature Dependent Pricing and Economic Retention .....	Jan 1, 2016	1-GS-TDP-1-4	38
SLS Street Light Service .....	Jan 26, 2016	1-SLS-1-3	42
TSS Traffic Signal Service .....	Jan 1, 2016	1-TSS-1	45
TC ILS Traffic Control -- Intersection Lighting Service .....	Jan 1, 2016	1-TC ILS-1	46
NLGT Outdoor Lighting Service .....	Jan 1, 2016	1-NLGT-1-2	47
Medical Equipment Discount Program .....	Jan 1, 2016	1-MED-1	49
NEM Net Metering for Qualifying Facilities .....	Jan 1, 2016	1-NEM-1-3	50
Distribution Wheeling Service .....	Jan 1, 2016	1-DWS-1-2	53
CHP Combined Heat & Power Distributed Generation .....	Jan 1, 2016	1-CHP-1-3	55
SS SolarShares® program .....	no later than Jan 1, 2017	1-SS-1-2	58
EDR Economic Development .....	Jan 1, 2016	1-EDR-1-2	60
<b>Rules and Regulations</b>			
4 Contracts .....	Jan 1, 2016	2-04-1	62

# Table of Contents

## Appendix

A	Rate Code Definitions .....	Appendix A-1-2	63
			<i>(End)</i>

# 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.

# 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 Rate Category	Electric Heat CLOSED* RSCH, RWCH	Electric Heat OPEN RSEH, RWEH	Nonelectric Heat OPEN RSGH, RWGH
<b>Winter Season**</b>		<b>Dec 1 – Mar 31</b>	<b>Dec 1 – Mar 31</b>	<b>Oct 1 – May 31</b>
<b>System Infrastructure Fixed Charge per month</b>		\$18.00	\$18.00	\$18.00
<b>Electricity Usage Charge:</b>				
Base Usage per month \$/kWh		\$0.1038	\$0.1068	\$0.1068
Base-Plus Usage per month \$/kWh		\$0.1627	\$0.1861	\$0.1861
<b>Spring Season**</b>		<b>Apr 1 – May 31</b>	<b>Apr 1 – May 31</b>	
<b>Fall Season**</b>		<b>Oct 1 – Nov 30</b>	<b>Oct 1 – Nov 30</b>	
<b>System Infrastructure Fixed Charge per month</b>		\$18.00	\$18.00	
<b>Electricity Usage Charge:</b>				
Base Usage per month \$/kWh		\$0.1038	\$0.1068	
Base-Plus Usage per month \$/kWh		\$0.1627	\$0.1861	
<b>Summer Season</b>		<b>Jun 1 – Sep 30</b>	<b>Jun 1 – Sep 30</b>	<b>Jun 1 – Sep 30</b>
<b>System Infrastructure Fixed Charge per month</b>		\$18.00	\$18.00	\$18.00
<b>Electricity Usage Charge:</b>				
Base Usage per month \$/kWh		\$0.1177	\$0.1177	\$0.1177
Base-Plus Usage per month \$/kWh		\$0.1928	\$0.1928	\$0.1928

## III. Base Usage and Base-Plus Usage Quantities (Kilowatt-hours per month)

	Heating Type Availability	Electric Heat CLOSED*	Electric Heat OPEN	Nonelectric Heat OPEN
<b>Winter Season**</b>		<b>Dec 1 – Mar 31</b>	<b>Dec 1 – Mar 31</b>	<b>Oct 1 – May 31</b>
<b>Principal Rate Categories</b>		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
<b>Well Rate Categories</b>		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

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-R-1

Effective: **January 1, 2016**

Edition: **January 1, 2016**

# Residential Service Rate Schedule R

<b>Spring Season**</b>	<b>Apr 1 – May 31</b>	<b>Apr 1 – May 31</b>	
<b>Fall Season**</b>	<b>Oct 1 – Nov 30</b>	<b>Oct 1 – Nov 30</b>	
(Kilowatt-hours per month)			
<b>Principal Rate Categories</b>	<b>RSCH</b>	<b>RSEH</b>	
Base Usage maximum kWh per month	3,000	3,000	
Base-Plus Usage kWh per month	> 3,000	> 3,000	
<b>Well Rate Categories</b>	<b>RWCH</b>	<b>RWEH</b>	
Base Usage maximum kWh per month	3,000	3,000	
Base-Plus Usage kWh per month	> 3,000	> 3,000	
<b>Summer Season</b>	<b>Jun 1 – Sep 30</b>	<b>Jun 1 – Sep 30</b>	<b>Jun 1 – Sep 30</b>
(Kilowatt-hours per month)			
<b>Principal Rate Categories</b>	<b>RSCH</b>	<b>RSEH</b>	<b>RSGH</b>
Base Usage maximum kWh per month	1,100	1,100	1,100
Base-Plus Usage kWh per month	> 1,100	> 1,100	> 1,100
<b>Well Rate Categories</b>	<b>RWCH</b>	<b>RWEH</b>	<b>RWGH</b>
Base Usage maximum kWh per month	1,400	1,400	1,400
Base-Plus Usage kWh per month	> 1,400	> 1,400	> 1,400

\* 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.

\*\* All seasons with the exclusion of summer (June 1 – September 30), include the following residential Smart Pricing Pilot rate categories: RSCH\_SP, RSEH\_SP, RSGH\_SP, RWCH\_SP, RWEH\_SP, and RWGH\_SP.

## 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

# Residential Service Rate Schedule R

- 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 Charge January 1 through December 31**

**\$/kW of Contract Capacity per month**.....\$6.41

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](http://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](http://www.smud.org).

**I. Plug-In Electric Vehicle (PEV) Option.** Refer to Rate Schedule 1-R-TOU.

**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**.....\$41.90

**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 kWh in Base Usage allowance during the winter, spring and fall seasons, as indicated in Section III. 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 a well that as the sole source of domestic water, may qualify for an additional kWh of monthly Base Usage quantity on the residential meter serving the well, as indicated in Section III.

**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

Effective January 1, 2016, this optional Rate Schedule 1-R-TOU applies to single- and three-phase service for single or dual metered residences including single-family homes, duplexes, apartments, and condominiums which meet any one of the following criteria:

1. Were enrolled under the discontinued Option 1 or Option 2 Time-of-Use rates as of December 31, 2015; or
2. Have a photovoltaic generation facility on their premise; or
3. Own or lease Plug-in Electric Vehicles (PEV). Customers can visit SMUD’s website, [smud.org](http://smud.org), to find out more details about PEV eligibility.

Effective January 1, 2017, the Optional Residential Time-of-Use rate (RTOU), rate category RT01, will be available to other residential customers. Customers can visit SMUD’s website, [smud.org](http://smud.org), to find out more details about the optional residential time-of-use rate. Master-metered service to a qualifying multifamily accommodation or mobile home parks are not eligible for the new optional RTOU rate.

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

### A. Optional Time-of-Use Rate (RT01)

1. This rate replaces the discontinued residential Option 1 and Option 2 Time-of-Use Rates RTCH, RTEH, RTGH, RTE5, RTC5 and RTG5, and the electric vehicle rates RTEV and RTEV4S. Customers formerly on the discontinued residential Option 1 and Option 2 Time-of-Use Rates and RTEV and RTEV4S will be enrolled in this rate effective the first full bill cycle in January 2016. These customers can elect to be placed on the standard non-TOU residential rate or any alternate rate at any time throughout the year. However, once a customer enrolls in the standard non-TOU residential rate or any alternate rate option, the customer shall stay on that rate for at least a 12-month period. Customer enrollment will follow SMUD’s standard billing procedures based on customer’s billing cycle.
2. This rate has three kilowatt-hour prices, depending on the time of day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

<b>Jun 1 - Sep 30</b>	<b>Summer Super Peak</b>	Weekdays between 4:00 p.m. and 7:00 p.m.
<b>Year-round (Jan 1 - Dec 31)</b>	<b>Peak</b>	Weekdays between 9:00 a.m. and 9:00 p.m. except during the Summer Super Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and the holidays <sup>1</sup> .

3. Customers who enroll in this rate shall not return to the standard non-TOU residential rate or any alternate rate for at least a 12-month period.

### B. Plug-In Electric Vehicle Credit

This credit is for residential customers who own or lease licensed passenger battery electric, plug-in, or plug-in hybrid electric vehicles.

1. Credit applies to all electricity usage charges from midnight to 6:00 a.m. daily  
     Electric Vehicle Credit..... **-\$0.0150/kWh**

## II. Firm Service Rates

Rate Category	RT01
<b>Year Round Prices – January 1 through December 31</b>	
System Infrastructure Fixed Charge per month	\$18.00
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1467
Off-Peak \$/kWh	\$0.0867
<b>Summer Electricity Usage Charge - June 1 through September 30</b>	
Summer Super Peak \$/kWh	\$0.3093

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

## 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. **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 Program (Rate Categories with suffix “\_EL”).** Refer to Rate Schedule 1-MED.
- D. **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.....\$6.41

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected residential time-of-use 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.

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

### 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, 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.

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

### 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

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

### H. 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 .....	\$41.90
--	---------

## V. Conditions of Service

### Time-of-Use Billing Periods

<b>Jun 1 - Sep 30</b>	<b>Summer Super Peak</b>	Weekdays between 4:00 p.m. and 7:00 p.m.
<b>Year-round (Jan 1 - Dec 31)</b>	<b>Peak</b>	Weekdays between 9:00 a.m. and 9:00 p.m. except during the Summer Super Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and the holidays <sup>1</sup> .
	<b>Electric Vehicle Credit</b>	Between midnight to 6:00 a.m. daily for eligible PEV customers.

<sup>1</sup> 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

### D. Proration of Charges

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)*

# Residential Smart Pricing Pilot Rate Schedule R-SPO

## I. Applicability

This schedule 1-R-SPO applies to single and three-phase service for residential premises, and is only available to current and deferred participants of the Smart Pricing pilot study. They apply solely during the summer season. Participants are billed on their otherwise applicable rates during the remaining months of the year. SMUD may, at its sole discretion, extend the Smart Pricing rates to other eligible participants.

## II. Rate Charges

(Rate categories RSCH\_SP, RSEH\_SP, RSGH\_SP, RWCH\_SP, RWEH\_SP, RWGH\_SP)

### A. Weekday Value Plan (Summer Season Only)

System Infrastructure Fixed Charge per month.....	\$18.00
On-Peak \$/kWh.....	\$0.3093
Off-Peak \$/kWh:	
Off-Peak Base Usage per month.....	\$0.0863
Off-Peak Base-Plus Usage per month.....	\$0.1849

### B. Off-Peak Discount Plan (Summer Season Only)

System Infrastructure Fixed Charge per month.....	\$18.00
On-Peak Conservation Day \$/kWh.....	\$0.7500
Off-Peak \$/kWh:	
Off-Peak Base Usage per month.....	\$0.0986
Off-Peak Base-Plus Usage per month.....	\$0.1849

### C. Optimum Off-Peak Plan (Summer Season Only)

System Infrastructure Fixed Charge per month.....	\$18.00
On-Peak Conservation Day \$/kWh.....	\$0.7500
On-Peak \$/kWh.....	\$0.3093
Off-Peak \$/kWh:	
Off-Peak Base Usage per month.....	\$0.0739
Off-Peak Base-Plus Usage per month.....	\$0.1725

## III. Base Usage Quantities

Smart Pricing Off-Peak Base Usage (June 1 – September 30 Summer Only)

Smart Pricing Options	Standard Rate	With Domestic Well
Weekday Value Plan	970 kWh	1,270 kWh
Off-Peak Discount Plan	1,100 kWh	1,400 kWh
Optimum Off-Peak Plan	970 kWh	1,270 kWh

## IV. 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.

## V. Rate Option Menu

- A. **Energy Assistance Program.** The Energy Assistance Program discount is available to eligible customers who meet the specific eligibility requirements prescribed in Rate Schedule 1-EAPR.

# Residential Smart Pricing Pilot Rate Schedule R-SPO

**B. Medical Equipment Discount Program.** The Medical Equipment discount is not available on the residential Smart Pricing pilot 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**.....\$6.41

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected Residential Smart Pricing TOU pilot 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 SmartPricing Time-of-Use Rates.

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

**E. Net Energy Metering Option.** The rate Schedule 1-NEM is not available on the residential Smart Pricing pilot rates.

**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](http://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

**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 provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, [www.smud.org](http://www.smud.org).

# Residential Smart Pricing Pilot Rate Schedule R-SPO

## H. 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 .....\$41.90

## VI. Conditions of Service

### A. Billing Periods (June 1 – September 30 Summer Only)

<b>On-Peak Hours</b>	Summer weekdays between 4:00 p.m. and 7:00 p.m., exclusive of July 4 <sup>th</sup> and Labor Day holidays.
<b>Conservation Days</b>	Up to twelve summer weekdays between 4 p.m. and 7 p.m., excluding the July 4 and Labor Day holidays. Conservation Days are announced by SMUD a day in advance. However, if customers have technology designed to automatically adjust for Conservation Days, announcements may occur the same day as the event.
<b>Off-Peak Base Usage Hours</b>	Usage in all other non-peak hours up to Off-Peak Base Usage for standard customers and customers with domestic wells.
<b>Off-Peak Base-Plus Usage Hours</b>	Usage in non-peak hours beyond Off-Peak Base Usage for standard customers and customers with domestic wells

### B. Billing Holidays

Off-peak pricing in the Time Based Pricing Plans shall apply during the following holidays:

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

### C. Electric Space Heat Eligibility

Residential customers with electric space heating may qualify for additional kWh in Base Usage allowance during the winter, spring and fall seasons as indicated in section III. To be eligible, the customer's electric space heating system must be the sole source of domestic space heating installed at the metered premise, except in the case of renewable heating sources, noted in criteria 4 listed below. In addition the electric space heating system must meet one of the following eligibility criteria:

1. An electric space heating system that qualified under the Closed Electric Heat rate before May 1, 1996, **or**
2. A heat pump, including any unit with electric resistance backup, **or**
3. An electric resistance heating system that was installed prior to September 1, 1980, **or**
4. An electric resistance heating system used to supplement a geo-thermal, solar or other renewable fuel heating system.

# Residential Smart Pricing Pilot Rate Schedule R-SPO

Non-renewable sources of space heat systems that do **not** qualify for the added residential electric space heat Base Usage allowances include:

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

**D. Domestic Well Eligibility**

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

**VII. Billing Proration of Charges**

**A. Proration of Charges**

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)*



# 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 *any* three consecutive months and the monthly energy usage is at least 7,300 kWh for *any* 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 **or** the usage must be less than 7,300 kWh 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 for *any* three consecutive months **and** monthly energy usage of at least 7,300 kWh for *any* three consecutive months within a 12-month period. The customer will be billed on this demand rate unless the monthly usage is less than 7,300 for 12 consecutive months; or the 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
<b>Winter Season - October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$18.00	\$8.65	\$23.70
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)	n/a	n/a	\$7.32
<b>Electricity Usage Charge</b>			
All day \$/kWh	\$0.1278	\$0.1290	\$0.0986
<b>Summer Season - June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$18.00	\$8.65	\$23.70
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)	n/a	n/a	\$7.32
<b>Electricity Usage Charge</b>			
On-peak \$/kWh	\$0.2922	\$0.1290	\$0.2517
Off-peak \$/kWh	\$0.1081	\$0.1290	\$0.0874

## 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.

<b>Generator Standby Service Charge by Voltage Level</b>	<b>Secondary</b>	<b>Primary</b>	<b>Subtransmission</b>
<b>(\$/kW of Contract Capacity per month)</b>	\$6.41	\$5.07	\$2.56

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](http://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](http://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 may be 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* .....\$0.0106

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* ..... \$0.2787

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

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

SACRAMENTO MUNICIPAL UTILITY DISTRICT  
Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-GS-3  
Effective: January 1, 2016  
Edition: January 1, 2016

# General Service Rate Schedule GS

<b>On-Peak</b>	Summer weekdays between 3:00 p.m. and 6:00 p.m.
<b>Off-Peak</b>	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. 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 any three consecutive months a demand meter will be installed. If monthly maximum demand exceeds 20 kW for any three consecutive months and energy usage is at least 7,300 kWh for any 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 or the usage must be less than 7,300 kWh 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 for any three consecutive months and monthly energy usage of at least 7,300 kWh for any three consecutive months within a 12-month period. The customer will be billed on this demand rate unless the monthly usage is less than 7,300 for 12 consecutive months; or the 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
<b>Winter Season - November 1 through April 30</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$8.85	\$22.10
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$7.32
<b>Electricity Usage Charge</b>		
First 7,300 kWh per month	\$0.1325	\$0.1236
Additional kWh per month	\$0.1325	\$0.0985
<b>Summer Season - May 1 through October 31</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$8.85	\$22.10
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$7.32
<b>Electricity Usage Charge</b>		
First 7,300 kWh per month	\$0.1369	\$0.1364
Additional kWh per month	\$0.1369	\$0.1051

## III. Electricity Usage Surcharges

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

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

- 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 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
	\$6.41	\$5.07	\$2.56

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](http://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

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

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 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 may be 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* .....\$0.0106

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.

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

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 .....\$0.2787*

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

<b>On-Peak</b>	Summer weekdays between 3:00 p.m. and 6:00 p.m.
<b>Off-Peak</b>	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.



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

### **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 I-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 499 kW for three or more consecutive months. 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 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) <b>Winter</b>	(May 1 - Oct 31) <b>Summer</b>
<b>Season</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$10.65	\$10.65
<b>Electricity Usage Charge \$/kWh for all kWh</b>	\$0.1179	\$0.1291

### 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 499 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.

<b>Season</b>	<b>Winter</b>	<b>Summer</b>
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$24.65	\$24.65
<b>Site Infrastructure Charge</b> ( <i>\$ per 12-month max kW or contract capacity</i> )		
First 30 kW	No Charge	No Charge
Additional kW per month	\$2.43	\$2.43
<b>Electricity Usage Charge \$/kWh</b>		
Base Usage – 8,750 kWh per month	\$0.1305	\$0.1251
Base Usage Plus – kWh over 8,750 per month	\$0.1024	\$0.0906

### 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.

<b>Season</b>	<b>Winter</b>	<b>Summer</b>
<b>System Infrastructure Fixed Charge - per month – per meter</b>	\$14.25	\$14.25

## Agricultural Service Rate Schedule AG

### Electricity Usage Charge \$/kWh

On-Peak period	\$0.1355	\$0.1965
Off-Peak period	\$0.1156	\$0.1057

#### 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 499 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.

Season	Winter	Summer
<b>System Infrastructure Fixed Charge per month – per meter</b>	\$85.80	\$85.80
<b>Maximum Demand Charge \$/ kW</b>	\$2.43	\$3.39
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1350	\$0.2091
Off-Peak period	\$0.1146	\$0.1115

### 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
	\$6.41	\$5.07	\$2.56

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](http://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](http://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:

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

# 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* .....\$0.0106

**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* .....\$0.2787

**D. Time-of-Use Billing Periods**

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

<b>Winter Season On-Peak</b>	Weekdays between 7:00 a.m. and 10:00 a.m. and 5:00 p.m. and 8:00 p.m.
<b>Summer Season On-Peak</b>	Weekdays between 2:00 p.m. and 8:00 p.m.
<b>Off-Peak</b>	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.

**SACRAMENTO MUNICIPAL UTILITY DISTRICT**  
Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-AG-4  
Effective: **January 1, 2016**  
Edition: **January 1, 2016**

## 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)*

# 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
<b>Winter Season - October 1 through May 31</b>				
System Infrastructure Fixed Charge – per month per meter		\$104.15	\$104.15	\$275.90
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)		\$3.88	\$3.72	\$2.96
<b>Electricity Usage Charge</b>				
On-Peak \$/kWh		\$0.1041	\$0.0990	\$0.0954
Off-Peak \$/kWh		\$0.0825	\$0.0771	\$0.0755
<b>Summer Season - June 1 through September 30</b>				
System Infrastructure Fixed Charge – per month per meter		\$104.15	\$104.15	\$275.90
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)		\$3.88	\$3.72	\$2.96
<b>Electricity Usage Charge</b>				
Super-Peak \$/kWh		\$0.1621	\$0.1336	\$0.1298
On-Peak \$/kWh		\$0.1294	\$0.1217	\$0.1140
Off-Peak \$/kWh		\$0.1036	\$0.0944	\$0.0931

## 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. **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.

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

## D. 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
	\$6.41	\$5.07	\$2.56

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](http://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 provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, [www.smud.org](http://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:

SACRAMENTO MUNICIPAL UTILITY DISTRICT  
Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-GS-TOU1-2  
Effective: **January 1, 2016**  
Edition: **January 1, 2016**



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

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* .....\$0.0106

**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* .....\$0.2787

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

<b>Winter On-Peak: October 1 -May 31</b>	Weekdays between 12:00 noon and 10:00 p.m.
<b>Summer On-Peak: June 1 -September 30</b>	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
<b>Summer Super-Peak: June 1 - September 30</b>	Weekdays between 2:00 p.m. and 8:00 p.m.
<b>Off-Peak</b>	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

## Large General Service Time-of-Use

### Rate Schedule GS-TOU1

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

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)*

# 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
<b>Winter Season – October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$104.15	\$104.15	\$275.90
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$2.75	\$2.43	\$2.00
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.0992	\$0.0938	\$0.0904
Off-Peak \$/kWh	\$0.0786	\$0.0744	\$0.0728
<b>Summer Season – June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$104.15	\$104.15	\$275.90
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$2.75	\$2.43	\$2.00
<b>Summer Super Peak Demand Charge</b> ( <i>\$ per monthly super-peak max kW</i> )	\$6.74	\$6.19	\$0.00
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.1880	\$0.1790	\$0.1737
On-Peak \$/kWh	\$0.1295	\$0.1249	\$0.1170
Off-Peak \$/kWh	\$0.0997	\$0.0949	\$0.0934

## 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. **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.

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

## D. 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
	\$6.41	\$5.07	\$2.56

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.

**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](http://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

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](http://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:

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

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* .....\$0.0106

**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:

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

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

*Waiver Rate per excess KVAR* .....\$0.2787

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

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

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

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.

#### 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.

*(End)*

# 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 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
<b>Winter Season - October 1 through May 31</b>		
System Infrastructure Fixed Charge - per month per meter	\$104.15	\$104.15
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.67	\$3.29
<b>Electricity Usage Charge</b>		
On-Peak \$/kWh	\$0.1006	\$0.0951
Off-Peak \$/kWh	\$0.0800	\$0.0756
<b>Summer Season - June 1 through September 30</b>		
System Infrastructure Fixed Charge - per month per meter	\$104.15	\$104.15
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.67	\$3.29
Summer Super Peak Demand Charge ( <i>\$ per monthly super-peak max kW</i> )	\$7.38	\$6.74
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh	\$0.1936	\$0.1842
On-Peak \$/kWh	\$0.1323	\$0.1275
Off-Peak \$/kWh	\$0.1052	\$0.1001

## 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. **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.

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

## D. 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.

<b>Generator Standby Charge by Voltage Level (\$/kW of Contract Capacity per month)</b>	<b>Secondary</b>	<b>Primary</b>	<b>Subtransmission</b>
	\$6.41	\$5.07	\$2.56

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.

**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](http://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

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](http://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:



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

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* .....\$0.0106

**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:

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

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

*Waiver Rate per excess KVAR* .....\$0.2787

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

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

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

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.

#### 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.

*(End)*

# 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
<b>Winter Season – October 1 through May 31</b>		
<b>System Infrastructure Fixed Charge per month per meter</b>		\$275.90
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.53
<b>Electricity Usage Charge</b>		
On-Peak Period \$/kWh		\$0.0954
Off-peak period \$/kWh		\$0.0683
<b>Summer Season – June 1 through September 30</b>		
<b>System Infrastructure Fixed Charge per month per meter</b>		\$275.90
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.53
<b>TDP Summer Super-Peak Demand Charge (\$/kW)</b>		
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		\$5.54
“Extremely Hot”    if T >= 100° for a single day; or		\$5.22
“Very Hot”          if 100° > T > 95°; or		\$0.96
“Mild to Hot”        if 95° >=		No Charge
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh		\$0.1298
On-Peak \$/kWh		\$0.1140
Off-Peak \$/kWh		\$0.0860

The TDP Summer Super Peak 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](http://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](http://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 may be 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 .....\$0.0106*

**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 .....\$0.2787*

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

<b>Winter On-Peak: October 1 - May 31</b>	Weekdays between 12:00 noon and 10:00 p.m.
<b>Summer On-Peak: June 1 - September 30</b>	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
<b>Summer Super-Peak: June 1 - September 30</b>	Weekdays between 2:00 p.m. and 8:00 p.m.
<b>Off-Peak</b>	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. 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) ..... \$0.0255**

## III. Customer-owned and maintained, metered — Rate Category SL\_COM\_M

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 ..... \$8.85  
**Electricity Usage Charge (\$ per kWh) - all kWh** ..... \$0.0765

## 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 23, 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) ..... \$0.0255**

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.

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.

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) ..... \$0.0255

Rate Category SL\_DOM\_M, metered

System Infrastructure Fixed Charge per month or portion thereof ..... \$8.85

Electricity Usage (\$ per kWh) - all kWh ..... \$0.0765

### 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. 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. 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](http://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.

## VIII. 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)*

# 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 ..... \$3.80

For units larger than 70 watts of connected load and not exceeding three lamps per unit,  
the monthly charge **per lamp per watt** ..... \$0.0267

The total charge per month being not less than ..... \$3.80

## 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)

# 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..... \$5.25  
Plus

### Electricity Usage Charge

\$/ kWh ..... \$0.0959

## 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)*

# 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)** ..... \$0.0255

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 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](http://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 Service Medical Equipment Discount Program Rate Schedule MED

## I. Applicability

This Rate Schedule 1-MED applies to customers receiving service under 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](http://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](http://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)*

# 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).<sup>1</sup> 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.*

---

<sup>1</sup> 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 based on net system coincident peak. Once the total rated generation capacity reaches 5 percent of SMUD's aggregate customer peak demand based on net system coincident peak, this schedule is closed to new customers.

## IV. Metering

### A. Residential and Small Commercial $\leq 20$ kW; Agricultural Customers $\leq 30$ 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. New net-meter customers on GS-TOU1, GS-TOU2 or GS-TOU3 will 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.



## Net Energy Metering Rate Schedule NEM

3. The net surplus monetary value shall be calculated annually.
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)*

# 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	\$6.277	\$1.459

\* 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](http://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.

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-DWS-1

Effective: January 1, 2016

Edition: January 1, 2016

# 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)*

# 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](http://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.

	<b>Secondary &amp; Primary</b>	<b>Subtransmission</b>
<b>Reserved Capacity Rate (per kW)</b>	<b>\$5.15</b>	<b>\$4.60</b>

#### 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)

# SolarShares® Program Rate Schedule SS

## I. Applicability

This Rate Schedule is available to residential and commercial customers who wish to enroll in SMUD's SolarShares® program. The program allows participants to receive a portion of their energy consumption from a local solar photovoltaic project in a way that will protect a portion of their energy charges from future rate increases. Service under this Rate Schedule is on a first come, first served basis, depending on the availability of SolarShares®-designated generation projects. The SolarShares® application process and pricing details are available at SMUD's website, [www.smud.org](http://www.smud.org). This Rate Schedule is available throughout the SMUD service territory.

## II. SolarShares® Pricing

### A. Price Calculation

SMUD will procure solar energy from new solar power added in SMUD's service territory in response to customer demand for the SolarShares® program.

The customer's price for SolarShares® will consist of two components:

1. **Energy Cost Component.** SMUD will base this component of the SolarShares® price on the average cost of energy from all SolarShares® installations. This price will replace the customer's energy-only charges under the customer's current standard rate. The price for this energy-only portion of the SolarShares® charge will not increase above the price applicable on the date the customer enrolls in the program. The renewable energy credits (RECs) associated with SolarShares® generation will be retired on the participants' behalf.
2. **Delivery Service Cost Component.** SMUD will base this component of the SolarShares® price on the delivery costs normally included in the customer's standard rate. These charges are not fixed and may adjust with changes to the standard rates. These charges will include the following elements, which vary by rate category:
  - Generation capacity
  - Ancillary services
  - Delivery services (transmission and distribution)
  - Public goods
  - Fixed distribution facilities recovered in energy
  - Power factor adjustments
  - Program administration

### B. Price Adjustment

Pricing information will be available at [www.smud.org](http://www.smud.org) no later than January 1, 2017. The energy cost component will be adjusted only when more solar projects are added to the program. The price for this energy cost component will not increase above the price applicable on the date the customer enrolls in the program. The delivery service cost component will be updated as part of SMUD's regular rate actions.

## III. Billing

SolarShares® customers can purchase solar energy in annual blocks of 500 kWh in an amount not to exceed a set percentage established by SMUD of the customer's previous 12 months of usage, or for new customers, of their estimated annual usage. The non-SolarShares® portion of the bill will be charged at the otherwise applicable rate charges, including taxes and surcharges.

The SolarShares® charges will be billed each month as the number of kWh purchased by the customer that month multiplied by the price per kWh. The customer's monthly kWh purchase will be allocated as a percentage of annual PV generation based on the seasonal generation pattern of PV systems within SMUD's service area. SolarShares® purchases will be allocated to the customer's time-of-use periods based on when the SolarShares® power is generated. If the SolarShares® allocation exceeds the customer's usage for a specific time-of-use period, the excess will appear on the bill as a dollar credit based on the value of the energy-only portion of the customer's standard rate during that period. If this dollar credit exceeds the customer's energy charges for the month the credit occurs, the remaining unused portion will be carried over to the succeeding month's energy charges until the credit is fully utilized.

## IV. Settlement Method

If the SolarShares® allocation over a 12-month period exceeds the customer's usage, SMUD will buy the unused portion back at the price the customer paid for the energy only portion of SolarShares® and will adjust down the customer's allowed share for the next 12-month period.

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-SS-1

Effective: **no later than January 1, 2017**

Edition: **January 1, 2016**

# SolarShares® Program Rate Schedule SS

## V. 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.

## VI. Conditions of Service

### A. General Eligibility Requirements

SolarShares® is available for the following rate classes:

- Residential Time-of-Use (1-R-TOU)
- Nonresidential General Service (1-GS)
- Agricultural (1-AG)
- Large General Service Time-of-Use (1-GS-TOU1)
- Medium General Service Time-of-Use (1-GS-TOU2)
- Small General Service Time-of-Use (1-GS-TOU3)

SolarShares® is not available to customers on the Net Energy Metering (NEM) rate unless otherwise covered by contractual agreement.

Residential customers must participate in the optional time-of-use rate as a condition for enrolling in SolarShares®.

### B. Duration

Residential and small commercial (General Service 1-GS and AG) customers are required to remain on the program for at least 12 months following enrollment. Other commercial (General Service GS-TOU1, GS-TOU2 and GS-TOU3) customers may be required by SMUD to execute a multiyear contract.

*(End)*



# Economic Development Rate Schedule EDR

## I. Applicability

This Rate Schedule (EDR) is available to qualifying commercial customers locating, expanding, or retaining business in SMUD’s service territory with a maximum demand of at least 300 kW on a single meter that meet all eligible criteria. Determination of eligibility is at SMUD’s sole discretion.

## II. Eligibility

- A. Eligible customers are those taking service under Rate Schedules GS-TOU1, GS-TOU2 or GS-TOU3.
- B. Eligibility is limited to customer’s facility with North American Industrial Classification System (NAICS) designations:
  - 1. Agriculture, Forestry, Fishing & Hunting (NAICS 11)
  - 2. Mining, Quarrying, and Oil & Gas Extraction (NAICS 21)
  - 3. Utilities (NAICS 22)
  - 4. Construction (NAICS 23)
  - 5. Manufacturing (NAICS 31-33)
  - 6. Wholesale Trade (NAICS 42)
  - 7. Transportation & Warehousing (NAICS 48-49)
  - 8. Information (NAICS 51)
  - 9. Finance & Insurance (NAICS 52)
  - 10. Real Estate & Rental & Leasing (NAICS 53)
  - 11. Professional, Scientific, & Technical Services (NAICS 54)
  - 12. Management of Companies and Enterprises (NAICS 55)
  - 13. Administrative & Support Services (NAICS 56)
  - 14. Health Care & Social Assistance (NAICS 62)
- C. New, expanding, and retention customers must create or retain a minimum of 50 full-time equivalent and permanent jobs in SMUD’s service territory within two years of the date the agreement is signed.
- D. New, expanding, and retention customers located in an area of high unemployment and poverty, as defined by the California Franchise Tax Board to be a Designated Geographic Area (DGA), shall create or retain a minimum of 25 full-time equivalent and permanent jobs in SMUD service territory within two years of the date the agreement is signed.

## II. Pricing Structure

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.

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

# Economic Development Rate Schedule EDR

## III. Conditions of Service

- A. Customers must execute an Economic Development Rate (EDR) Option Agreement to receive full service from SMUD for five years commencing on the agreement effective date.
- B. New customers must apply for the EDR option prior to commencement of service with SMUD. Temporary service is not eligible for the EDR option. Applicants will have 12 months from the agreement date to reach the maximum demand of at least 300 kW load requirement. The effective start date for the EDR for new customers is the date of the first meter read for billing after three consecutive months with a maximum demand of at least 300 kW.
- C. Existing customers must apply for the EDR option prior to the installation of new load with only additional load qualifying for the EDR. Existing customers specify in the Economic Development Rate Option Agreement the date when the new load will be added. The effective start date of the EDR is the first billing period following the specified date of load addition.
- D. Retention customers will require the execution of an affidavit by a company executive and requires review and verification by the Greater Sacramento Area Economic Council (Greater Sacramento). Retention customers specify in the Economic Development Rate Option Agreement the date when the existing load will be retained with only the portion of load deemed likely to relocate or cease operations qualifying for the EDR. The effective start date is the first billing period with the EDR following the specified date of the retained load.

*(End)*

# 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.
7. In the case of customer tailored rate arrangements, a contract is required per previously adopted SMUD Board resolution.

*(End)*

# Appendix A Rate Code Definitions

## Residential Rate Code Definitions (From SMUD Rate Policy and Procedures Manual)

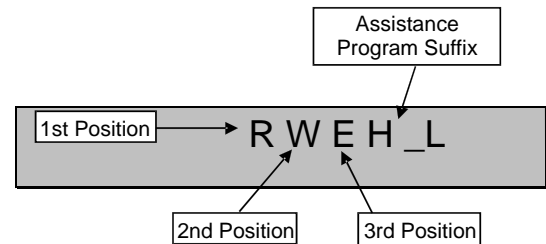
### 15.0 Code Structure for Residential Rate Categories

Each District Residential Service rate is identified by a Rate Category code, which has the following characteristics:

- 15.1 All Residential rate codes consist of a three to four character, alpha-numeric string which begins with the letter “R”;
- 15.2 The second through fourth characters indicate the rate type, any applicable tier allowance, or TOU option;
- 15.3 A suffix, separated by the underscore symbol “\_”, identifies any eligible Assistance program option;
- 15.4 Power and Metering options are charged as added devices and have no assigned rate-based identifier.
- 15.5 Greenergy, Solar Shares and other premium program options are charged separately and have no assigned rate-based identifier.

## Residential Rate Code Nomenclature

Position	Code	Description
First	R	Residential
Second	S	Standard Service
	W	Domestic Wells
	T	Time-of-Use
Third	EH	Open Electric-heated
	CH	Closed Electric-heated
	GH	General Service
	EV	Electric Vehicle
	MM	Master-Metered
	01	Optional Time-of-Use Rate 01
Fourth	5	5-Period TOU
Suffix	_E	EAPR Low-Income
	_L	Medical Discount Rate
	_EL	EAPR & MED Rate
	_SPO	SmartSacramento® Pricing Pilot



Examples:

**RSEH\_L** = Residential standard service, electric heating, with a medical discount.

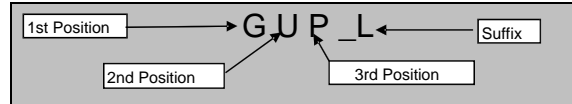
**RWGH\_E** = Residential with a domestic well, general service with a low-income (EAPR) discount.

**RTC5** = Residential, 5 Period Time-of-Use with electric heating (before 5/11/96).

# Appendix A Rate Code Definitions

## Commercial Rate Code Definitions (From SMUD Rate Policy and Procedures Manual)

### Commercial Rate Code Nomenclature



Position of Code Letter	General Commercial	
	Code	Description
First	G	General Service
Second	S	Standard Service
	U	Time-Of-Use
	F	Flat Rate
	D	Temperature Dependent
	N	Negotiated Contract
Third	E	Economic Development (ED)
	S	Secondary Service
	P	Primary Service
	T	Transmission Service
Suffix	N	Non-Demand < 20 kW
	_S	Small < 500 kW
	_M	Medium 500-1000 kW
	_L	Large > 1000 kW
	_25	ED with 25 new jobs
	_250	ED with 250 new jobs
	_600	ED with 600 new jobs
	_04	Campbell Soup cogen
	_99	Special Contract
	_19	UCD Generation Facility
	_DWAPA	Direct Access, Western Area Power Administration
_T	Time-Of-Use	

Agriculture and Irrigation	
Code	Description
A	Agriculture
S	Standard Service
O	Optional Time-Of-Use
N	Non-Demand < 30 kW
D	Demand > 30 kW

Lighting	
Code	Description
S	Street
T	Traffic
L	Lighting
S	Signals
_COM	Customer Owned & Maintained
_COM_M	Customer Owned & Maintained, Metered
_CODM	Customer Owned /District Maintained
_DOM	District Owned & Maintained
_F	Flat Rate

Examples:

**GUP\_L = Commercial, Time-Of-Use, Primary Voltage, Larger than 1 MW**

**ASN = Agricultural, Standard Service, Non-Demand < 30 kW**

**SL\_CODM = Street Lighting, Customer-Owned and District Maintained**

(End)

# **2017 Rates, Rules and Regulations**

# 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>
Preliminary Statement .....		ii	
<b>Rate Schedules</b>			
R Residential Service .....	Jan 1, 2017	1-R-1-3	1
R Residential Time-Of-Use Service .....	Jan 1, 2017	1-R-TOU-1-3	4
R-SPO Residential Time-Of-Use Service .....	Jan 1, 2017	1-R-SPO-1-3	7
GS General Service .....	Jan 1, 2017	1-GS-1-4	10
GS-LEG General Service .....	Jan 1, 2017	1-GS-LEG-1-5	14
AG Agricultural .....	Jan 1, 2017	1-AG-1-5	19
GS-TOU1 Large General Service Time-of-Use .....	Jan 1, 2017	1-GS-TOU1-1-4	24
GS-TOU2 Medium General Service Time-of-Use .....	Jan 1, 2017	1-GS-TOU2-1-4	28
GS-TOU3 Small General Service Time-of-Use.....	Jan 1, 2017	1-GS-TOU3-1-4	32
GS-TDP General Service Temperature Dependent Pricing and Economic Retention .....	Jan 1, 2017	1-GS-TDP-1-4	36
SLS Street Light Service .....	Jan 25, 2017	1-SLS-1-3	40
TSS Traffic Signal Service .....	Jan 1, 2017	1-TSS-1	43
TC ILS Traffic Control -- Intersection Lighting Service .....	Jan 1, 2017	1-TC ILS-1	44
NLGT Outdoor Lighting Service .....	Jan 1, 2017	1-NLGT-1-2	45
Distribution Wheeling Service .....	Jan 1, 2017	1-DWS-1-2	47
CHP Combined Heat & Power Distributed Generation .....	Jan 1, 2017	1-CHP-1-3	49

*(End)*

# 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.



# 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 \$0.1128

### Summer Season – June 1 through September 30

System Infrastructure Fixed Charge per month \$20.00

#### Electricity Usage Charge:

All kWh usage per month \$/kWh \$0.1291

\* All seasons with the exclusion of summer (June 1 – September 30), include the following residential Smart Pricing Pilot rate categories: RSCH\_SP, RSEH\_SP, RSGH\_SP, RWCH\_SP, RWEH\_SP, and RWGH\_SP.

## 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

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-R-1

Effective: **January 1, 2017**

Edition: **January 1, 2017**

# Residential Service Rate Schedule R

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 Charge January 1 through December 31**

**\$/kW of Contract Capacity per month**.....\$6.57

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](http://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](http://www.smud.org).

**I. Plug-In Electric Vehicle (PEV) Option.** Refer to Rate Schedule 1-R-TOU.

**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**.....\$42.95

# Residential Service Rate Schedule R

## V. Conditions of Service

### A. 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)*

# 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. Individual or dual 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.

Master-metered service to a qualifying multifamily accommodation or mobile home parks are not eligible for the new optional RTOU rate.

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

### A. Optional Time-of-Use Rate (RT01)

1. This rate has three kilowatt-hour prices, depending on the time of day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

<b>Jun 1 - Sep 30</b>	<b>Summer Super Peak</b>	Weekdays between 4:00 p.m. and 7:00 p.m.
<b>Year-round (Jan 1 - Dec 31)</b>	<b>Peak</b>	Weekdays between 9:00 a.m. and 9:00 p.m. except during the Summer Super Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and the holidays <sup>1</sup> .

2. Customers who enroll in this rate shall not return to the standard residential rate or any alternate rate for at least a 12-month period. Customer enrollment will follow SMUD’s standard billing procedures based on customer’s billing cycle.

### B. Plug-In Electric Vehicle Credit

This credit is for residential customers who own or lease licensed passenger battery electric, plug-in, or plug-in hybrid electric vehicles.

1. Credit applies to all electricity usage charges from midnight to 6:00 a.m. daily  
     Electric Vehicle Credit..... **-\$0.0150/kWh**

## II. Firm Service Rates

Rate Category	RT01
<b>Year Round Prices – January 1 through December 31</b>	
System Infrastructure Fixed Charge per month	\$20.00
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1485
Off-Peak \$/kWh	\$0.0866
<b>Summer Electricity Usage Charge - June 1 through September 30</b>	
Summer Super Peak \$/kWh	\$0.3161

## 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 (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 Program (Rate Categories with suffix “\_EL”).** Refer to Rate Schedule 1-MED.
- D. **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.....\$6.57**

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected residential time-of-use 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.

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

### E. 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, 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

### F. 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

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

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, smud.org.

**G. 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 .....\$42.95

**V. Conditions of Service**

**Time-of-Use Billing Periods**

<b>Jun 1 - Sep 30</b>	<b>Summer Super Peak</b>	Weekdays between 4:00 p.m. and 7:00 p.m.
<b>Year-round (Jan 1 - Dec 31)</b>	<b>Peak</b>	Weekdays between 9:00 a.m. and 9:00 p.m. except during the Summer Super Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .
	<b>Electric Vehicle Credit</b>	Between midnight to 6:00 a.m. daily for eligible PEV customers.

<sup>1</sup> 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**

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)*

# Residential Smart Pricing Pilot Rate Schedule R-SPO

## I. Applicability

This schedule 1-R-SPO applies to single and three-phase service for residential premises, and is only available to current and deferred participants of the Smart Pricing pilot study. They apply solely during the summer season. Participants are billed on their otherwise applicable rates during the remaining months of the year. SMUD may, at its sole discretion, extend the Smart Pricing rates to other eligible participants.

## II. Rate Charges

(Rate categories RSCH\_SP, RSEH\_SP, RSGH\_SP, RWCH\_SP, RWEH\_SP, RWGH\_SP)

### A. Weekday Value Plan (Summer Season Only)

System Infrastructure Fixed Charge per month.....	\$20.00
On-Peak \$/kWh.....	\$0.3161
All Off-Peak kWh Usage \$/kWh .....	\$0.0988

### B. Off-Peak Discount Plan (Summer Season Only)

System Infrastructure Fixed Charge per month.....	\$20.00
On-Peak Conservation Day \$/kWh .....	\$0.7500
All Off-Peak kWh Usage \$/kWh .....	\$0.1104

### C. Optimum Off-Peak Plan (Summer Season Only)

System Infrastructure Fixed Charge per month.....	\$20.00
On-Peak Conservation Day \$/kWh .....	\$0.7500
On-Peak \$/kWh.....	\$0.3161
All Off-Peak kWh Usage \$/kWh .....	\$0.0839

## III. Base Usage Quantities

Smart Pricing Off-Peak Base Usage (June 1 – September 30 Summer Only)

All Smart Pricing Options	All kWh Usage
---------------------------	---------------

## IV. 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.

## V. Rate Option Menu

- A. **Energy Assistance Program.** The Energy Assistance Program discount is available to eligible customers who meet the specific eligibility requirements prescribed in Rate Schedule 1-EAPR.
- B. **Medical Equipment Discount Program.** The Medical Equipment discount is not available on the residential Smart Pricing pilot rates.
- C. **Generator Standby Service Option**  
Generator Standby Service applies when all of the following conditions are met:

# Residential Smart Pricing Pilot Rate Schedule R-SPO

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.....\$6.57**

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected Residential Smart Pricing TOU pilot 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 SmartPricing Time-of-Use Rates.

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

**E. Net Energy Metering Option.** The rate Schedule 1-NEM is not available on the residential SmartPricing pilot rates.

**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](http://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

**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 provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD’s website, [www.smud.org](http://www.smud.org).

**H. 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.



# Residential Smart Pricing Pilot Rate Schedule R-SPO

## Three-Phase Service – January 1 through December 31

Special Facilities fee per month .....\$42.95

### VI. Conditions of Service

#### A. Billing Periods (June 1 – September 30 Summer Only)

<b>On-Peak Hours</b>	Summer weekdays between 4:00 p.m. and 7:00 p.m., exclusive of July 4 <sup>th</sup> and Labor Day holidays.
<b>Conservation Days</b>	Up to twelve summer weekdays between 4 p.m. and 7 p.m., excluding the July 4 and Labor Day holidays. Conservation Days are announced by SMUD a day in advance. However, if customers have technology designed to automatically adjust for Conservation Days, announcements may occur the same day as the event.
<b>Off-Peak Base Usage Hours</b>	Usage in all other non-peak hours up to Off-Peak Base Usage for standard customers and customers with domestic wells.
<b>Off-Peak Base-Plus Usage Hours</b>	Usage in non-peak hours beyond Off-Peak Base Usage for standard customers and customers with domestic wells

#### B. Billing Holidays

Off-peak pricing in the Time Based Pricing Plans shall apply during the following holidays:

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

### VII. Billing Proration of Charges

#### A. Proration of Charges

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.

<b>Billing Circumstance</b>	<b>Basis for Proration</b>
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)

# 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 *any* three consecutive months and the monthly energy usage is at least 7,300 kWh for *any* 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 **or** the usage must be less than 7,300 kWh 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 for *any* three consecutive months **and** monthly energy usage of at least 7,300 kWh for *any* three consecutive months within a 12-month period. The customer will be billed on this demand rate unless the monthly usage is less than 7,300 for 12 consecutive months; or the maximum demand falls below 21 kW for 12 consecutive months; or the monthly maximum demand exceeds 299 kW for three consecutive months.

## II. Firm Service Rates

Rate Category	Nondemand GSN_T	Flat GFN	Demand GSS_T
<b>Winter Season - October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$20.00	\$8.90	\$24.30
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)	n/a	n/a	\$7.50
<b>Electricity Usage Charge</b>			
All day \$/kWh	\$0.1290	\$0.1303	\$0.1011
<b>Summer Season - June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$20.00	\$8.90	\$24.30
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)	n/a	n/a	\$7.50
<b>Electricity Usage Charge</b>			
On-peak \$/kWh	\$0.2979	\$0.1303	\$0.2580
Off-peak \$/kWh	\$0.1088	\$0.1303	\$0.0896

## 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.

<b>Generator Standby Service Charge by Voltage Level</b>	<b>Secondary</b>	<b>Primary</b>	<b>Subtransmission</b>
<b>(\$/kW of Contract Capacity per month)</b>	\$6.57	\$5.20	\$2.62

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](http://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](http://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 may be 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* .....\$0.0108

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* ..... \$0.2857

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

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

**SACRAMENTO MUNICIPAL UTILITY DISTRICT**

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. **1-GS-3**

Effective: **January 1, 2017**

Edition: **January 1, 2017**

# General Service Rate Schedule GS

<b>On-Peak</b>	Summer weekdays between 3:00 p.m. and 6:00 p.m.
<b>Off-Peak</b>	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. 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 any three consecutive months a demand meter will be installed. If monthly maximum demand exceeds 20 kW for any three consecutive months and energy usage is at least 7,300 kWh for any 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 or the usage must be less than 7,300 kWh 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 for any three consecutive months and monthly energy usage of at least 7,300 kWh for any three consecutive months within a 12-month period. The customer will be billed on this demand rate unless the monthly usage is less than 7,300 for 12 consecutive months; or the 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
<b>Winter Season - November 1 through April 30</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$9.05	\$22.65
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$7.50
<b>Electricity Usage Charge</b>		
First 7,300 kWh per month	\$0.1358	\$0.1267
Additional kWh per month	\$0.1358	\$0.1010
<b>Summer Season - May 1 through October 31</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$9.05	\$22.65
<b>Site Infrastructure Charge</b> (per 12 months max kW or contract capacity)		
First 20 kW	n/a	\$0.00
Additional kW per month	n/a	\$7.50
<b>Electricity Usage Charge</b>		
First 7,300 kWh per month	\$0.1403	\$0.1398
Additional kWh per month	\$0.1403	\$0.1077

## III. Electricity Usage Surcharges

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

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

- 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 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
	\$6.57	\$5.20	\$2.62

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](http://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

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

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 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 may be 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* .....\$0.0108

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.



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

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* .....\$0.2857

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

<b>On-Peak</b>	Summer weekdays between 3:00 p.m. and 6:00 p.m.
<b>Off-Peak</b>	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.

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

### 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 I-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 499 kW for three or more consecutive months. 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 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) Winter	(May 1 - Oct 31) Summer
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$10.90	\$10.90
<b>Electricity Usage Charge \$/kWh for all kWh</b>	\$0.1209	\$0.1324

### 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 499 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
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$25.30	\$25.30
<b>Site Infrastructure Charge</b> ( <i>\$ per 12-month max kW or contract capacity</i> )		
First 30 kW	No Charge	No Charge
Additional kW per month	\$2.49	\$2.49
<b>Electricity Usage Charge \$/kWh</b>		
Base Usage – 8,750 kWh per month	\$0.1338	\$0.1283
Base Usage Plus – kWh over 8,750 per month	\$0.1050	\$0.0929

### 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
<b>System Infrastructure Fixed Charge - per month – per meter</b>	\$14.60	\$14.60

Electricity Usage Charge \$/kWh

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-AG-1

Effective: **January 1, 2017**

Edition: **January 1, 2017**

## Agricultural Service Rate Schedule AG

On-Peak period	\$0.1389	\$0.2015
Off-Peak period	\$0.1185	\$0.1083

### 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 499 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.

Season	Winter	Summer
<b>System Infrastructure Fixed Charge per month – per meter</b>	\$87.95	\$87.95
<b>Maximum Demand Charge \$/ kW</b>	\$2.49	\$3.48
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1384	\$0.2143
Off-Peak period	\$0.1175	\$0.1142

### 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
	\$6.57	\$5.20	\$2.62

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.

#### C. Green Pricing Options

SACRAMENTO MUNICIPAL UTILITY DISTRICT  
Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-AG-2  
Effective: **January 1, 2017**  
Edition: **January 1, 2017**

# Agricultural Service Rate Schedule AG

## 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](http://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](http://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:

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

*Electricity Usage: the total monthly kWh for the account*

# Agricultural Service Rate Schedule AG

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

*Power Factor Adjustment Rate .....\$0.0108*

**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 .....\$0.2857*

**D. Time-of-Use Billing Periods**

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

<b>Winter Season On-Peak</b>	Weekdays between 7:00 a.m. and 10:00 a.m. and 5:00 p.m. and 8:00 p.m.
<b>Summer Season On-Peak</b>	Weekdays between 2:00 p.m. and 8:00 p.m.
<b>Off-Peak</b>	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.

Billing Circumstance	Basis for Proration
----------------------	---------------------

## Agricultural Service Rate Schedule AG

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)*

# 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
<b>Winter Season - October 1 through May 31</b>				
System Infrastructure Fixed Charge – per month per meter		\$106.85	\$106.85	\$282.95
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )		\$3.98	\$3.82	\$3.04
<b>Electricity Usage Charge</b>				
On-Peak \$/kWh		\$0.1067	\$0.1015	\$0.0978
Off-Peak \$/kWh		\$0.0846	\$0.0791	\$0.0774
<b>Summer Season - June 1 through September 30</b>				
System Infrastructure Fixed Charge – per month per meter		\$106.85	\$106.85	\$282.95
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )		\$3.98	\$3.82	\$3.04
<b>Electricity Usage Charge</b>				
Super-Peak \$/kWh		\$0.1662	\$0.1370	\$0.1331
On-Peak \$/kWh		\$0.1327	\$0.1248	\$0.1169
Off-Peak \$/kWh		\$0.1062	\$0.0969	\$0.0955

## 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. **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.



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

## D. 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.

<b>Generator Standby Service Charge by Voltage Level</b>	<b>Secondary</b>	<b>Primary</b>	<b>Subtransmission</b>
<b>(\$/kW of Contract Capacity per month)</b>	\$6.57	\$5.20	\$2.62

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](http://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 provisions in Rule and Regulation 2, Section IV. Special Facilities. The fee schedule is available at SMUD's website, [www.smud.org](http://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:

**SACRAMENTO MUNICIPAL UTILITY DISTRICT**  
Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. **1-GS-TOU1-2**  
Effective: **January 1, 2017**  
Edition: **January 1, 2017**

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

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* .....\$0.0108

**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* .....\$0.2857

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

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

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

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

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)*

# 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
<b>Winter Season – October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$106.85	\$106.85	\$282.95
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$2.82	\$2.49	\$2.05
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1017	\$0.0962	\$0.0927
Off-Peak \$/kWh	\$0.0806	\$0.0763	\$0.0746
<b>Summer Season – June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$106.85	\$106.85	\$282.95
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$2.82	\$2.49	\$2.05
<b>Summer Super Peak Demand Charge</b> ( <i>\$ per monthly super-peak max kW</i> )	\$6.91	\$6.35	\$0.00
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.1929	\$0.1836	\$0.1782
On-Peak \$/kWh	\$0.1328	\$0.1281	\$0.1200
Off-Peak \$/kWh	\$0.1022	\$0.0973	\$0.0958

## 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. **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.

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

## D. 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
	\$6.57	\$5.20	\$2.62

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.

**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](http://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

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](http://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:

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

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* .....\$0.0108

**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:

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

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

*Waiver Rate per excess KVAR* .....\$0.2857

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

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

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

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.

#### 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.

*(End)*

# 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 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
<b>Winter Season - October 1 through May 31</b>		
System Infrastructure Fixed Charge - per month per meter	\$106.85	\$106.85
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.76	\$3.37
<b>Electricity Usage Charge</b>		
On-Peak \$/kWh	\$0.1032	\$0.0975
Off-Peak \$/kWh	\$0.0820	\$0.0775
<b>Summer Season - June 1 through September 30</b>		
System Infrastructure Fixed Charge - per month per meter	\$106.85	\$106.85
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.76	\$3.37
Summer Super Peak Demand Charge ( <i>\$ per monthly super-peak max kW</i> )	\$7.57	\$6.91
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh	\$0.1986	\$0.1890
On-Peak \$/kWh	\$0.1357	\$0.1307
Off-Peak \$/kWh	\$0.1079	\$0.1026

## 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. **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.



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

## D. 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.

<b>Generator Standby Charge by Voltage Level</b>	<b>Secondary</b>	<b>Primary</b>	<b>Subtransmission</b>
<b>(\$/kW of Contract Capacity per month)</b>	\$6.57	\$5.20	\$2.62

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.

## 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](http://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

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](http://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

**SACRAMENTO MUNICIPAL UTILITY DISTRICT**  
Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. **1-GS-TOU3-2**  
Effective: **January 1, 2017**  
Edition: **January 1, 2017**

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

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* .....\$0.0108

**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:

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

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

*Waiver Rate per excess KVAR* .....\$0.2857

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

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

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

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.

#### 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.

*(End)*

# 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
<b>Winter Season – October 1 through May 31</b>		
<b>System Infrastructure Fixed Charge per month per meter</b>		\$282.95
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.54
<b>Electricity Usage Charge</b>		
On-Peak Period \$/kWh		\$0.0978
Off-peak period \$/kWh		\$0.0700
<b>Summer Season – June 1 through September 30</b>		
<b>System Infrastructure Fixed Charge per month per meter</b>		\$282.95
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.54
<b>TDP Summer Super-Peak Demand Charge (\$/kW)</b>		
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		\$5.68
“Extremely Hot”    if T >= 100° for a single day; or		\$5.35
“Very Hot”          if 100° > T > 95°; or		\$0.99
“Mild to Hot”        if 95° >=		No Charge
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh		\$0.1331
On-Peak \$/kWh		\$0.1169
Off-Peak \$/kWh		\$0.0881

The TDP Summer Super Peak 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](http://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](http://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 may be 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 .....\$0.0108*

**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 .....\$0.2857*

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

<b>Winter On-Peak: October 1 - May 31</b>	Weekdays between 12:00 noon and 10:00 p.m.
<b>Summer On-Peak: June 1 - September 30</b>	Weekdays between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.
<b>Summer Super-Peak: June 1 - September 30</b>	Weekdays between 2:00 p.m. and 8:00 p.m.
<b>Off-Peak</b>	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. 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) ..... \$0.0261**

## III. Customer-owned and maintained, metered — Rate Category SL\_COM\_M

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 ..... \$9.05

**Electricity Usage Charge (\$ per kWh) - all kWh** ..... \$0.0783

## 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 23, 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) ..... \$0.0261**

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.

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.

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) .....	\$0.0261
Rate Category SL_DOM_M, metered	
System Infrastructure Fixed Charge per month or portion thereof .....	\$9.05
Electricity Usage (\$ per kWh) - all kWh .....	\$0.0783

### 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. 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. 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](http://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.

## VIII. 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)*

# 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 ..... \$3.90

For units larger than 70 watts of connected load and not exceeding three lamps per unit,  
the monthly charge **per lamp per watt** ..... \$0.0273

The total charge per month being not less than ..... \$3.90

## 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)

# 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..... \$5.40  
Plus

### Electricity Usage Charge

\$/ kWh ..... \$0.0983

## 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)*

# 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)** ..... \$0.0261

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 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](http://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)*

# 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	\$6.434	\$1.495

\* 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](http://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.

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution No. \_\_\_\_\_ adopted \_\_\_\_\_, 2015

Sheet No. 1-DWS-1

Effective: **January 1, 2017**

Edition: **January 1, 2017**

# 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)*



# 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](http://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.

	<b>Secondary &amp; Primary</b>	<b>Subtransmission</b>
<b>Reserved Capacity Rate (per kW)</b>	<b>\$6.30</b>	<b>\$6.05</b>

#### 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)