



Chief Executive Officer and General Manager's  
Report and Recommendation on

# Rates and Services

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March 21, 2019 • Volume 2

Powering forward. Together.



# 2019 Rates, Rules and Regulations

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

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# Preliminary Statement

## **Territory Served by SMUD**

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

## **Description of Service**

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

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

## **Procedure to Obtain Service**

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

## **Establishment of Credit and Deposits**

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

## **General**

### **1. MEASUREMENT OF ELECTRIC ENERGY**

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

### **2. DISCOUNTS**

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

# Agricultural Service Rate Schedule AG

## I. Applicability

This Rate Schedule AG applies to single- or three-phase nonresidential agricultural service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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)	(May 1 - Oct 31)
Season	Winter	Summer
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$11.10	\$11.10
<b>Electricity Usage Charge \$/kWh for all kWh</b>	\$0.1233	\$0.1352

### 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.

	Winter	Summer
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$25.80	\$25.80
<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	\$2.55	\$2.55
<b>Electricity Usage Charge \$/kWh</b>		
Base Usage – 8,750 kWh per month	\$0.1366	\$0.1309
Base Usage Plus – kWh over 8,750 per month	\$0.1072	\$0.0947

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

This optional rate is for small agricultural accounts having a monthly maximum demand of 30 kW or less. Customers transferring to the small agricultural Time-of-Use Rate must remain on the rate for a minimum of four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

## Agricultural Service Rate Schedule AG

Season	Winter	Summer
<b>System Infrastructure Fixed Charge - per month – per meter</b>	\$14.90	\$14.90
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1419	\$0.2057
Off-Peak period	\$0.1209	\$0.1105

### 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. Customers transferring to the agricultural Time-of-Use Rate must remain on the rate for a minimum of 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>	\$89.75	\$89.75
<b>Maximum Demand Charge \$/ kW</b>	\$2.54	\$3.55
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1412	\$0.2186
Off-Peak period	\$0.1199	\$0.1165

### III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 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 generation, sited on the customer’s premises, 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>	\$6.71	\$5.30	\$2.68

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 Schedules NEM1 and NEM2.

**B. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

# 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 opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

### 3. Fixed Greenergy® Fee Options

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

Greenergy Partner Plus.....	\$10.00
Greenergy Partner .....	\$5.00

## 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.



# Agricultural Service Rate Schedule AG

**C. Power Factor Adjustment**

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

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* .....\$0.0110

**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* .....\$0.2915

**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

# Agricultural Service Rate Schedule AG

## 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 price. 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
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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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)*

# General Service Rate Schedule GS

## I. Applicability

This Rate Schedule GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer’s premises. 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>			
System Infrastructure Fixed Charge - per month per meter	\$20.40	\$9.10	\$24.80
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$7.66
Electricity Usage Charge			
All day \$/kWh	\$0.1316	\$0.1331	\$0.1032
<b>Summer Season - June 1 through September 30</b>			
System Infrastructure Fixed Charge - per month per meter	\$20.40	\$9.10	\$24.80
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$7.66
Electricity Usage Charge			
On-peak \$/kWh	\$0.3037	\$0.1331	\$0.2634
Off-peak \$/kWh	\$0.1110	\$0.1331	\$0.0914

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

# General Service Rate Schedule GS

## IV. Rate Option Menu

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

**B. Campus Rates.** Refer to Rate Schedule 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's premises, 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>	\$6.71	\$5.30	\$2.68

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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

**F. Green Pricing Options**

**1. SMUD Community Solar Option**

Under this premium service option, customers elect to contribute monthly payments toward opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

# General Service Rate Schedule GS

### 3. Fixed Greenergy® Fee Options

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

Greenergy Partner Plus.....	\$10.00
Greenergy Partner .....	\$5.00

### 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).

## 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* .....\$0.0110

# General Service Rate Schedule GS

**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 ..... \$0.2915*

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

**E. 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 price. 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

# General Service Rate Schedule GS

## **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 premises 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)*

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

## I. Applicability

This Rate Schedule GS-TOU1 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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	\$109.05	\$109.05	\$288.85
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )	\$4.06	\$3.90	\$3.10
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1090	\$0.1037	\$0.1000
Off-Peak \$/kWh	\$0.0864	\$0.0808	\$0.0790
<b>Summer Season - June 1 through September 30</b>			
System Infrastructure Fixed Charge – per month per meter	\$109.05	\$109.05	\$288.85
Site Infrastructure Charge ( <i>\$ per 12 month max kW or contract capacity</i> )	\$4.06	\$3.90	\$3.10
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.1698	\$0.1400	\$0.1359
On-Peak \$/kWh	\$0.1355	\$0.1274	\$0.1195
Off-Peak \$/kWh	\$0.1084	\$0.0989	\$0.0975

## III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## IV. Rate Option Menu

**A. Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

**B. Campus Billing.** Refer to Rate Schedule 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 has generation, sited on the customer’s premises, 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>	\$6.71	\$5.30	\$2.68

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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

## F. Green Pricing Options

### 1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

### 3. Fixed Greenergy® Fee Options

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

Greenergy Partner Plus.....	\$10.00
Greenergy Partner .....	\$5.00

## 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).

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

## V. Conditions of Service

### A. Type of Electric Service

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

### B. Service Voltage Definition

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

1. *Secondary Service Voltage*

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

2. *Primary Service Voltage*

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

3. *Subtransmission Service Voltage*

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

### C. Power Factor Adjustment or Waiver

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

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

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

*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* .....\$0.0110

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* .....\$0.2915

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

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

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

## 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 price. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

<b>Billing Circumstance</b>	<b>Basis for Proration</b>
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	
Price changes within billing period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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.

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

## **D. Discontinuance of Service**

Any customer resuming service at the same premises 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 GS-TOU2 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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	Medium C&I	Medium C&I
	Secondary GUS_M	Primary GUP_M	Subtransmission GUT_M
<b>Winter Season – October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$109.05	\$109.05	\$288.85
<b>Site Infrastructure Charge</b> (\$ per 12 month max kW or contract capacity)	\$2.88	\$2.55	\$2.09
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1039	\$0.0982	\$0.0947
Off-Peak \$/kWh	\$0.0822	\$0.0779	\$0.0762
<b>Summer Season – June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$109.05	\$109.05	\$288.85
<b>Site Infrastructure Charge</b> (\$ per 12 month max kW or contract capacity)	\$2.88	\$2.55	\$2.09
<b>Summer Super Peak Demand Charge</b> (\$ per monthly super-peak max kW)	\$7.05	\$6.49	n/a
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.1969	\$0.1874	\$0.1820
On-Peak \$/kWh	\$0.1356	\$0.1307	\$0.1224
Off-Peak \$/kWh	\$0.1044	\$0.0993	\$0.0978

## III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## IV. Rate Option Menu

**A. Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

**B. Campus Billing.** Refer to Rate Schedule 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 has generation, sited on the customer’s premises, 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>
	\$6.71	\$5.30	\$2.68

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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

## F. Green Pricing Options

### 1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

### 3. Fixed Greenergy® Fee Options

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

Greenergy Partner Plus.....	\$10.00
Greenergy Partner .....	\$5.00

## 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).

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

## V. Conditions of Service

### A. Type of Electric Service

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

### B. Service Voltage Definition

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

1. *Secondary Service Voltage*

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

2. *Primary Service Voltage*

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

3. *Subtransmission Service Voltage*

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

### C. Power Factor Adjustment or Waiver

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

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

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

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

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

*Power Factor Adjustment Rate* .....\$0.0110

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* .....\$0.2915

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

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

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

## 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 price. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

<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.
Bill period is longer than 34 days	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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.



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

## **D. Discontinuance of Service**

Any customer resuming service at the same premises 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 GS-TOU3 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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 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

	<b>Small C&amp;I Secondary Rate Category</b>	<b>Small C&amp;I Primary GUP_S</b>
<b>Winter Season - October 1 through May 31</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$109.05	\$109.05
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.84	\$3.44
<b>Electricity Usage Charge</b>		
On-Peak \$/kWh	\$0.1054	\$0.0995
Off-Peak \$/kWh	\$0.0837	\$0.0791
<b>Summer Season - June 1 through September 30</b>		
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$109.05	\$109.05
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.84	\$3.44
<b>Summer Super Peak Demand Charge</b> ( <i>\$ per monthly super-peak max kW</i> )	\$7.73	\$7.05
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh	\$0.2027	\$0.1929
On-Peak \$/kWh	\$0.1385	\$0.1334
Off-Peak \$/kWh	\$0.1101	\$0.1047

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA)**. Refer to Rate Schedule HGA.

## IV. Rate Option Menu

A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies**. Refer to Rate Schedule EAPR.

B. **Campus Billing**. Refer to Rate Schedule 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 has generation, sited on the customer’s premises, 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
	\$6.71	\$5.30	\$2.68

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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

**F. Green Pricing Options**

**1. SMUD Community Solar Option**

Under this premium service option, customers elect to contribute monthly payments toward opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

**3. Fixed Greenergy® Fee Options**

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

Greenergy Partner Plus.....	\$10.00
Greenergy Partner .....	\$5.00

**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**

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

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

## B. Service Voltage Definition

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

1. *Secondary Service Voltage*

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

2. *Primary Service Voltage*

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

3. *Subtransmission Service Voltage*

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

## C. Power Factor Adjustment or Waiver

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

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

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

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

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

*Power Factor Adjustment Rate* .....\$0.0110

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* .....\$0.2915

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

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

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

## 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 price. The System Infrastructure Fixed Charge and Site Infrastructure Charge will be prorated as shown in the following table.

<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.
Bill period is longer than 34 days	
Price changes within bill period	Relationship between the length of the billing period and the number of days that falls within the respective pricing periods.

### 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.

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

### D. Discontinuance of Service

Any customer resuming service at the same premises 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)*

# Net Energy Metering Rate Schedule NEM1 (*Closed to new customers*)

## I. Applicability

This Rate Schedule NEM1 applies to residential, commercial/industrial, and agricultural customers who established service at their premises on or prior to March 31, 2019 and have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD on or prior to March 31, 2019.

Customers who established service at their premises after March 31, 2019 or have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD after March 31, 2019 are subject to Rate Schedule NEM2.

If a customer moves out or transfers their service after March 31, 2019, the premises will be subject to Rate Schedule NEM2. Customers who move in or transfer their service to a new premises after March 31, 2019, and that premises has an eligible renewable electrical generation facility, are subject to Rate Schedule NEM2.

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 (NEM) 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

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<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 NEM1 (*Closed to new customers*)

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; and
7. The size of the facility has not increased by more than 10% or 1 kW, whichever is greater, based on the CEC-AC rating at the initial date of approval.

*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.*

### 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, Summer Super Peak 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 Rate Schedule, 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 requested to be on the NEM rate and the NEM-eligible system was approved by SMUD for grid connection. At the end of the customer's 12-month settlement period, any unused accumulated monthly retail electricity credits may 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.



## Net Energy Metering Rate Schedule NEM1 (*Closed to new customers*)

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

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

## **VII. Grandfathering Period**

This Rate Schedule will apply to customers who moved in or transferred service prior to January 1, 2018 and have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation before January 1, 2018 for 20 years from the date of the first billing cycle after initial renewable electrical generation facility interconnection date. This grandfathering period will not end any earlier than 2023, unless the customer moves out or transfers service. After such time, the customer will be subject to Rate Schedule NEM2 or the successor rate. If a customer moves out or transfers their service within the grandfathering period, the premises and customer will be subject to Rate Schedule NEM2 or the successor rate.

This Rate Schedule will apply to customers who moved in or transferred service between January 1, 2018 and March 31, 2019 or has an eligible renewable electrical generation facility on their premises which had an application for interconnection received by SMUD on or before March 31, 2019 for 10 years from the date of the first billing cycle after initial renewable electrical generation facility interconnection date. After such time, the customer will be subject to Rate Schedule NEM2 or the successor rate. If a customer moves out or transfers their service within the grandfathering period, the premises and customer will be subject to Rate Schedule NEM2 or the successor rate.

## **VIII. Rate Requirement**

Residential customers who moved in or transferred service prior to January 1, 2018 and have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation before January 1, 2018 may elect to stay on their current rate until December 31, 2022. After December 31, 2022, those customers may elect to be on any open rate until the end of their grandfathering period. After the grandfathering period those customers will be subject to the applicable standard rate.

Residential customers who have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation on or after January 1, 2018 must be on the applicable standard rate.

*(End)*

# Net Energy Metering Rate Schedule NEM2

## I. Applicability

This Rate Schedule NEM2 applies to residential, commercial/industrial, and agricultural customers who establish service at a premises after March 31, 2019 or have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD after March 31, 2019.

Customers who established service at their premises on or prior to March 31, 2019 and have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD on or prior to March 31, 2019 are subject to Rate Schedule NEM1.

All customers that have an electrical generation facility on their premises that is fueled by a renewable fuel source that are not eligible for Rate Schedule NEM1 are subject to Rate Schedule NEM2.

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 (NEM) through this Rate Schedule 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 for net energy metering under this Rate Schedule:

1. The facility must be located on the customer's premises; 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

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<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 NEM2

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.*

## IV. Metering

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

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

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

SMUD will pay for and install a single meter, or an equivalent means of metering, capable of registering the flow of electricity in both directions. 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. Grid Access Charge

All customers under this Rate Schedule will be assessed a monthly Grid Access Charge based on the generation capacity of the facility (kW), effective as early as January 1, 2020, and no later than May 31, 2020.

The following monthly Grid Access Charge applies to customers with a photovoltaic generating facility. The generation capacity of the facility is measured using the CEC-AC rating.

Monthly Grid Access Charge	<b>2019</b>
	<b>Per kW</b>
<b>Residential (RT02)</b>	n/a
<b>Commercial</b>	
GSN_T	n/a
GSS_T, GUS_S, GUS_M, GUS_L, GUP_S, GUP_M, GUP_L	n/a
GUT_M, GUT_L	n/a
<b>Agriculture (ASN, ASD, AON, AOD)</b>	n/a

The monthly per kW charge amounts by year and rate category are shown in the table below:

Rate Category	2020	2021	2022	2023	2024	2025
<b>RT02</b>	\$8.00	\$8.00	\$9.00	\$10.00	\$10.00	\$11.00
<b>GSN_T</b>	\$6.50	\$7.00	\$8.00	\$8.50	\$9.00	\$10.00
<b>GSS_T, GUS_S, GUS_M, GUS_L</b>	\$5.00	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUP_S, GUP_M, GUP_L</b>	\$5.00	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUT_M, GUT_L</b>	\$4.00	\$4.50	\$5.00	\$5.50	\$6.00	\$6.50
<b>ASN, ASD, AON, AOD</b>	\$8.00	\$8.50	\$9.00	\$10.00	\$10.50	\$11.00

For the Grid Access Charge applicable to other renewable resources, refer to Rule and Regulation 21.

# Net Energy Metering Rate Schedule NEM2

## VI. EAPR Grid Access Charge Discount

Residential customers that qualify for the Energy Assistance Program (EAPR) will receive a discount on the monthly Grid Access Charge according to the following income guidelines:

<b>Residential EAPR Grid Access Charge Discount</b>	<b><u>Per kW</u></b>
<b>0-50% Federal Poverty Level</b>	100%
<b>&gt;50-100% Federal Poverty Level</b>	100%
<b>&gt;100-150% Federal Poverty Level</b>	50%
<b>&gt;150-200% Federal Poverty Level</b>	50%

## VII. Payments

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

- A. Charges other than electricity usage must be paid monthly. This includes the System Infrastructure Fixed Charge, the Grid Access Charge, Summer Super Peak 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 Rate Schedule, may pay monthly or annually for the net electricity consumed, depending on billing method.
- 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.

## VIII. 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 this NEM2 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 may be zeroed out.

### A. Annual Net Surplus Generation

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

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

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

# Net Energy Metering Rate Schedule NEM2

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. Service Cancellation**

1. If a customer cancels their electric service and has a net surplus generation, SMUD will provide a monetary payment to the customer for the net surplus. Monetary value per kWh of net surplus generation shall be based on the most recently published SMUD budget, calculated as the dollar value of the expected avoided generation and production-related costs divided by the forecasted annual energy sales.
2. For each kWh purchased by SMUD under this annual net surplus generation method, the ownership of the associated renewable electricity credit will transfer from the customer to SMUD.
3. The net surplus monetary value shall be calculated annually.
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.

## **C. 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.

## **IX. Billing**

### **A. Net Electricity Usage**

1. Residential, Small Commercial and Agricultural customers, meeting the eligibility criteria as defined in Section III (A) of this Rate Schedule, will be billed monthly for net electricity usage. Customers may elect annual billing as an alternative.
2. For all other customers, the net electricity usage will be billed each monthly billing cycle.

### **B. Proration of Charges**

The Grid Access Charge will be prorated according to the proration terms of the applicable rate schedule.

#### **A. Discontinuance of Service**

Any customer resuming service at the same premises within 12 months after discontinuing service will be required to pay the Grid Access Charge that would have been billed if service had not been discontinued, except when service has been disconnected. The Grid Access Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

#### **B. Changes to Facility**

The Grid Access Charge will be charged until the customer notifies SMUD of the disconnect of the renewable electrical generation facility.

## **Net Energy Metering Rate Schedule NEM2**

If the size of the facility is modified, the Grid Access Charge will be modified accordingly upon notification or SMUD identification. In the event that the size of the facility is incorrectly reported, SMUD reserves the right to retroactively bill for the difference.

In the event that a customer did not receive approval for installation, SMUD reserves the right to retroactively bill for the Grid Access Charge.

*(End)*

# Residential Service Rate Schedule R

## I. Applicability

This Rate Schedule 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.

### A. Fixed Rate (rate category RF01)

1. The Fixed Rate is the alternative rate to SMUD’s Time-of-Day (TOD) (5-8 p.m.) Rate (rate category RT02) under Rate Schedule R-TOD.
2. The Fixed Rate is required for customers serviced with analog meters and digital non-communicating meters. These customers will transition to the Fixed rate as determined by SMUD no later than December 31, 2019
3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD on or after January 1, 2018 are not eligible to enroll in the Fixed Rate.
4. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 are not eligible to enroll in the Fixed Rate.
5. Customers who have master meters, including those enrolled on the RSMM rate category, are not eligible to enroll in the Fixed Rate.
6. Effective June 21, 2019, the Fixed Rate will be used for the collection of revenue associated with unauthorized use of residential electric service regardless of the date(s) or time(s) in which the use occurred.

### B. Legacy Rate (rate categories RSCH, RWCH, RSEH, RWEH, RSGH and RWGH) Closed

1. The Legacy Rate is closed for enrollment to all residential customers who do not have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018.
2. The Legacy rate will no longer be an available rate option to residential customers once a customer has been transitioned to the TOD (5-8 p.m.) Rate. Eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.
3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the Legacy Rate may remain on this closed rate until December 31, 2022. If an eligible generation facility customer in this rate category elects an open rate, the customer cannot return to the Legacy Rate.
4. Customers in the Legacy Rate who do not have an eligible renewable electrical generation facility under Rate Schedule NEM1, will gradually transition as determined by SMUD to the TOD (5-8 p.m.) Rate (rate category RT02) under Rate Schedule R-TOD, if eligible, as early as September 1, 2018, and no later than December 31, 2019.
5. All other existing customers not eligible for Rate Schedule R-TOD will transition to the alternative Fixed Rate under this Rate Schedule R no later than December 31, 2019.
6. Customers with wells will begin transitioning to Rate Schedule R-TOD in January 2019.

# Residential Service Rate Schedule R

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

1. 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.
2. The master-metered customer's electricity consumption will be billed using the total kWh usage of the master-meter divided by the number of occupied single-family accommodations. The billing calculation will include applicable discounts to all kWh Usage Charges and System Infrastructure Fixed Charge (SIFC) 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.
3. Master-metered customers on the Legacy Rate (rate categories RSCH, RWCH, RSEH, RWEH, RSGH and RWGH) will be transitioned to the new rate category RSMM no later than December 31, 2019.

## II. Firm Service Rates

### A. Fixed Rate Customers (rate category RF01)

#### Non-Summer Season\* – October 1 through May 31

**System Infrastructure Fixed Charge per month** \$20.30

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1032

#### Summer Season – June 1 through September 30

**System Infrastructure Fixed Charge per month** \$20.30

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1649

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

### B. Legacy Rate Customers (rate categories RSCH, RWCH, RSEH, RWEH, RSGH, RWGH) Closed

#### Winter Season\* – October 1 through May 31

**System Infrastructure Fixed Charge per month** \$20.30

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1145

#### Summer Season – June 1 through September 30

**System Infrastructure Fixed Charge per month** \$20.30

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1310

\* 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. Winter Season includes Fall (Oct 1 – Nov 30) and Spring (Apr 1 – May 31) periods for Electric Heat rate customers (RSCH, RWCH, RSEH, RWEH).



# Residential Service Rate Schedule R

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

<b>Non-Summer Season* – October 1 through May 31</b>	
<b>System Infrastructure Fixed Charge per month</b>	\$20.30
<b>Electricity Usage Charge:</b>	
All kWh usage per month \$/kWh	\$0.1145
<b>Summer Season – June 1 through September 30</b>	
<b>System Infrastructure Fixed Charge per month</b>	\$20.30
<b>Electricity Usage Charge:</b>	
All kWh usage per month \$/kWh	\$0.1310

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

**III. Electricity Usage Surcharges**

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

**IV. Rate Option Menu**

**A. Energy Assistance Program.** Refer to Rate Schedule EAPR.

**B. Medical Equipment Discount Program.** Refer to Rate Schedule MED.

**C. Joint Participation in Medical Equipment Discount and Energy Assistance Programs.** Refer to Rate Schedule MED.

**D. Time-of-Day Rate.** Refer to Rate Schedule R-TOD.

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

**Generator Standby Charge January 1 through December 31**  
**\$/kW of Contract Capacity per month**.....\$6.67

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

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

**F. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

# Residential Service Rate Schedule R

## G. Green Pricing Options

### 1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

### 3. Fixed Greenergy® Fee Options

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

Greenergy Partner Plus – 100% .....	\$6.00
Greenergy Partner Plus – 50% .....	\$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 R-TOD.

## 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 SIFC.

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

Special Facilities fee per month.....	\$43.60
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## V. Billing

KWh usage may be prorated for nonstandard billing periods, when billing period spans a price change, and/or when the billing period spans more than one season. Effective as early as June 1, 2019 and no later than December 31, 2019, the monthly SIFC will be prorated when the bill period is shorter than 27 days. The following table shows the basis for the proration in these circumstances. 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 (SIFC and kWh)	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days (kWh)	
Seasons overlap and price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season or pricing periods.

*(End)*

# Residential Time-of-Day Service Rate Schedule R-TOD

## I. Applicability

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

1. Individual or dual metered residences with digital communicating meter installed, 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 Time-of-Day rates under rate schedule R-TOD.

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

### A. Time-of-Day (5-8 p.m.) Rate (rate category RT02)

1. The TOD (5-8 p.m.) Rate is the standard rate for SMUD’s residential customers. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD after December 31, 2017 must be on the TOD (5-8 p.m.) Rate.
2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 must be on the TOD (5-8 p.m.) Rate.
3. Existing eligible customers on the Legacy Rate, with rate categories RSCH, RWCH, RSEH, RWEH, RSGH and RWGH under Rate Schedule R, will gradually transition as determined by SMUD to the TOD (5-8 p.m.) Rate beginning the first full billing cycle in January 2019, and complete transition no later than December 31, 2019.
4. After being transitioned to the TOD (5-8 p.m.) Rate, eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.
5. Customers who move-in or transfer service to premises with an eligible renewable electrical generation facility after December 31, 2017 must be on the TOD (5-8 p.m.) Rate.
6. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

<b>Summer (Jun 1 - Sept 30)</b>	<b>Peak</b>	Weekdays between 5:00 p.m. and 8:00 p.m.
	<b>Mid-Peak</b>	Weekdays between noon and midnight except during the Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .
<b>Non-Summer (Oct 1 - May 31)</b>	<b>Peak</b>	Weekdays between 5:00 p.m. and 8:00 p.m.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .

<sup>1</sup> See Section V. Conditions of Service

### B. Optional Time-of-Day (4-7 p.m.) Rate (rate category RT01) Closed

1. The TOD (4-7 p.m.) Rate is closed for enrollment to residential customers who did not have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018.
2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the TOD (4-7 p.m.) Rate may remain on this closed rate until December 31, 2022.
3. The TOD (4-7 p.m.) Rate will terminate for customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first full billing cycle that closes in 2023, and customers will then transition to SMUD’s standard residential rate.

## Residential Time-of-Day Service Rate Schedule R-TOD

4. If a customer with an eligible renewable electrical generation facility under Rate Schedule NEM1 on this rate category elects an open rate, the customer cannot return to the TOD (4-7 p.m.) Rate.
5. Existing customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018 may enroll in the TOD (5-8 p.m.) Rate at any time; however, once enrolled in the TOD (5-8 p.m.) Rate, the customer cannot return to the TOD (4-7 p.m.) Rate.
6. Existing customers on the TOD (4-7 p.m.) Rate who do not have an eligible renewable electrical generation facility under Rate Schedule NEM1 will transition as determined by SMUD to the TOD (5-8 p.m.) Rate no later than December 31, 2019 and will no longer be eligible for the TOD (4-7 p.m.) Rate.
7. This rate has three kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

<b>Summer (Jun 1 - Sep 30)</b>	<b>Summer Super Peak</b>	Weekdays between 4:00 p.m. and 7:00 p.m.
	<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>Winter (Oct 1 - May 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> .

<sup>1</sup> See Section V. Conditions of Service

### II. Firm Service Rates

<b>A. Time-of-Day (5-8 p.m.) Rate</b>	<b>Rate Category RT02</b>
<b>System Infrastructure Fixed Charge per month</b>	\$20.30
<b>Non-Summer Prices* – October 1 through May 31</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1338
Off-Peak \$/kWh	\$0.0969
<b>Summer Prices - June 1 through September 30</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.2835
Mid-Peak \$/kWh	\$0.1611
Off-Peak \$/kWh	\$0.1166

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

<b>B. Optional Time-of-Day (4-7 p.m.) Rate</b>	<b>Rate Category RT01</b>
<b>System Infrastructure Fixed Charge per month</b>	\$20.30
<b>Winter Prices – October 1 through May 31</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1481
Off-Peak \$/kWh	\$0.0853

# Residential Time-of-Day Service Rate Schedule R-TOD

**Summer Prices - June 1 through September 30**

**Electricity Usage Charge**

Summer Super Peak \$/kWh	\$0.3704
Peak \$/kWh	\$0.1481
Off-Peak \$/kWh	\$0.0853

**C. Plug-In Electric Vehicle Credit (rate categories RT02 and RT01)**

This credit is for residential customers who have a licensed passenger battery electric plug-in or plug-in hybrid electric vehicle.

Credit applies to all electricity usage charges from midnight to 6:00 a.m. daily

Electric Vehicle Credit..... ~~-\$0.0150~~/kWh

**III. Electricity Usage Surcharges**

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

**IV. Rate Option Menu**

**A. Energy Assistance Program.** Refer to Rate Schedule EAPR.

**B. Medical Equipment Discount Program.** Refer to Rate Schedule MED.

**C. Joint Participation in Medical Equipment Discount and Energy Assistance Program.** Refer to Rate Schedule MED.

**D. 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’s premises, 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**.....\$6.67

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected residential TOD 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 TOD rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2 for further details.

# Residential Time-of-Day Service Rate Schedule R-TOD

## F. Green Pricing Options

### 1. SMUD Community Solar Option

Under this premium service option, customers elect to contribute monthly payments toward opportunities to use solar power to educate our community about the importance of renewable energy through partnering with schools, non-profit organizations and low-income housing. 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 power service will receive an additional monthly electricity usage charge of no less than 1/4 cent and no greater than 3 cents per kWh. SMUD may offer multiple rate options representing various blends of renewable resources and/or renewable energy credits within the rate range. The actual prices will be published each November on [www.smud.org](http://www.smud.org) 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 3 cent limit.

### 3. Fixed Greenergy® Fee Options

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

Greenergy Partner Plus – 100% .....	\$6.00
Greenergy Partner Plus – 50% .....	\$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.

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

Special Facilities fee per month .....	\$43.60
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## V. Conditions of Service

### A. Time-of-Day Billing Periods

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

# Residential Time-of-Day Service Rate Schedule R-TOD

## VI. Billing

### A. Proration of Charges

The electricity usage charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. Effective as early as June 1, 2019 and no later than December 31, 2019, the monthly System Infrastructure Fixed Charge will be prorated when the bill period is shorter than 27 days as shown in the following table. 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.

*(End)*

# Definitions

## Rule and Regulation 1

### ***Applicant***

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

### ***Connected Load***

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

### ***Contract Capacity***

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

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

### ***Customer***

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

### ***Customer-owned Generation***

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

### ***Demand***

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

### ***Energy***

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

### ***Generator Installed Capacity***

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

### ***Heat Pump***

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

### ***Interval Data***

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

### ***Multiplier***

A meter multiplier is applied for locations which have electrical load that is too large for a meter to measure its total usage. In these situations, current and potential transformers are installed allowing a portion of the total usage to be measured. The measured usage is then multiplied by the appropriate amount (the multiplier) to determine the actual kWh used for billing purposes.

### ***Nonagricultural Irrigation***

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



# Definitions

## Rule and Regulation 1

### **Peak Demand**

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

### **Pole Attachment**

Equipment owned by an external party and attached to a SMUD distribution pole that distributes electricity at less than 50 kilovolts. SMUD approval is required and the external party must pay the actual costs incurred by SMUD to facilitate the Pole Attachment plus ongoing attachment fees. If a Pole Attachment draws energy from SMUD, the applicable rate charges and energy rate shall also apply.

### **Power Factor**

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

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

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

### **Power Theft**

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

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

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

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

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

### **Ratcheted Demand**

The highest kW recorded over the past twelve months.

### **Rate Charges**

Charges that may include the following:

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

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

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

*Summer Super Peak Demand Charge* – That portion of the charge which varies with the billing demand in accordance with the rate.

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

*Standby Charge* – That portion of the charge for standby service which is a fixed amount based on the maximum load SMUD stands

# Definitions

## Rule and Regulation 1

ready to supply in accordance with the rate.

### ***Rating of Installations***

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

### ***Reserved Capacity Charge***

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

### ***Resistance Heating***

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

### ***Site Infrastructure Charge***

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

### ***Subordination***

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

### ***Super Peak Demand Charge***

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

### ***System Infrastructure Fixed Charge***

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

### ***Transformer Installed Capacity***

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

(End)

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

## I. Discontinuance of Service by SMUD

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

### A. Nonpayment of Bills

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

### B. Failure to Establish or Re-Establish Credit

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

### C. Unsafe or Illegal Apparatus

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

### D. Service Detrimental to Other Customers

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

### E. Fraud

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

### F. Noncompliance

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

## II. Discontinuance of Service at Customer's Request

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

## III. Restoration of Service Fee

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

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

## IV. Verified Energy Theft Charges or Hazardous Conditions

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

# Extension of Facilities to Nonresidential Premises Rule and Regulation 16

## I. Conditions of Service

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

## II. Extensions of SMUD Distribution Facilities

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

## III. Overhead Distribution Facilities within a Development

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

## IV. Underground Distribution Facilities within a Development

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

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

# Extension of Facilities to Nonresidential Premises Rule and Regulation 16

## V. Fee Offset – SMUD Cost for Distribution Systems

The developer of a non-residential development with an estimated new diversified load of at least 300kW, as determined by SMUD, may be eligible for certain offsets of costs in accordance with the following specifications:

- a. Based on Section IV(D), SMUD will supply, install, own, and maintain all conductors, transformers, and related equipment for the secondary and primary distribution system.
- b. SMUD will apply a Per kW Offset Amount to offset the developer Cost for the SMUD-installed facilities and distribution system.
- c. The estimated kW demand for the Per kW Offset Amount will be determined by SMUD based on diversified load.
- d. The developer furnished and installed underground duct system (including necessary conduits, ducts, manholes, vaults, equipment, pads, and concrete encasement of conduit where required), are not eligible for the Per kW Offset Amount.
- e. The developer will receive a Per kW Offset Amount of not more than 100% of the SMUD total cost, minus the nonrefundable design fee, for the SMUD-installed facilities and distribution system.
- f. The Per kW Offset Amount is determined by SMUD annually based on system impact and budget.
- g. The developer will not receive the Per kW Offset Amount for service at primary or subtransmission voltage, as defined under SMUD service voltages.
- h. SMUD reserves the right to not offer the Per kW Offset Amount for public infrastructure projects that it deems, in its sole discretion, do not stimulate the regional economy long term.
- i. SMUD reserves the right to not offer the Per kW Offset Amount to developers for projects that it deems, in its sole discretion, will not provide sufficient retail revenue to recover the Per kW Offset Amount within 5 years.
- j. On service upgrades, the Per kW Offset is determined by the net new load amount after diversification.
- k. Rule 2 special facility projects are not eligible for the Per kW Offset.

## VI. Service at Secondary Voltage

### A. Overhead Service

In those areas where it has been determined that SMUD will continue to serve its customer's overhead distribution and where SMUD's distribution pole line is located on a street, highway, lane, alley, road, or private easement immediately contiguous to the customer's premises, SMUD will, at its expense, furnish and install a service drop from its pole line to the nearest point of attachment to the customer's building or other permanent support provided by the customer, at a point to be approved by SMUD.

### B. Underground Service

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

## VII. Service at Primary or Subtransmission Voltage

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

### A. Overhead Conductors

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

# Extension of Facilities to Nonresidential Premises Rule and Regulation 16

## **B. Underground Conductors**

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

## **VIII. Service Connections**

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

## **IX. Requests for Change in Service Voltage**

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

## **X. Extensions for Temporary Service**

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

## **XI. SMUD Ownership of Facilities, Right of Access, and Right of Way**

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

## **XII. Service to Annexation Customers**

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

## **XIII. Customer Responsibility for Facilities**

### **A. SMUD Facilities**

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

# Extension of Facilities to Nonresidential Premises Rule and Regulation 16

## **B. Customer Facilities**

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

*(End)*



# 2020 Rates, Rules and Regulations

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

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# Preliminary Statement

## **Territory Served by SMUD**

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

## **Description of Service**

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

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

## **Procedure to Obtain Service**

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

## **Establishment of Credit and Deposits**

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

## **General**

### **1. MEASUREMENT OF ELECTRIC ENERGY**

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

### **2. DISCOUNTS**

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

# Agricultural Service Rate Schedule AG

## I. Applicability

This Rate Schedule AG applies to single- or three-phase nonresidential agricultural service, delivered at standard voltages designated by SMUD as available at the customer's premises. 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)	(May 1 - Oct 31)
	Winter	Summer
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$11.65	\$11.65
<b>Electricity Usage Charge \$/kWh for all kWh</b>	\$0.1292	\$0.1416

### 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>	\$27.05	\$27.05
<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	\$2.67	\$2.67
<b>Electricity Usage Charge \$/kWh</b>		
Base Usage – 8,750 kWh per month	\$0.1431	\$0.1371
Base Usage Plus – kWh over 8,750 per month	\$0.1123	\$0.0992

### C. Small Agricultural Optional Time-of-Day – AON

This optional rate is for small agricultural accounts having a monthly maximum demand of 30 kW or less. Customers transferring to the small agricultural Time-of-Day Rate must remain on the rate for a minimum of four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

## Agricultural Service Rate Schedule AG

Season	Winter	Summer
<b>System Infrastructure Fixed Charge - per month – per meter</b>	\$15.60	\$15.60
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1486	\$0.2155
Off-Peak period	\$0.1266	\$0.1157

### D. Large Agricultural Optional Time-of-Day – AOD

This optional rate is for large agricultural accounts with demand greater than 30 kW and less than 499 kW. Customers transferring to the agricultural Time-of-Day Rate must remain on the rate for a minimum of 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>	\$94.00	\$94.00
<b>Maximum Demand Charge \$/ kW</b>	\$2.66	\$3.72
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1479	\$0.2290
Off-Peak period	\$0.1256	\$0.1220

### III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 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 generation, sited on the customer’s premises, 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>	\$7.03	\$5.55	\$2.81

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 Schedules NEM and NEM2.

**B. Net Energy Metering Option.** Refer to Rate Schedules NEM and NEM2.

# Agricultural Service Rate Schedule AG

## C. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

## 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 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* .....\$0.0115

# Agricultural Service Rate Schedule AG

**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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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 .....\$0.3053*

**D. Time-of-Day 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.



# Agricultural Service Rate Schedule AG

## 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 price. The Electricity Usage allowances, System Infrastructure Fixed Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

## 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 premises 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 service has been disconnected. 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 Campus Billing Rate Schedule CB

## I. Applicability

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

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

## II. Pricing Structure

### A. System Infrastructure Fixed Charge

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

### B. Campus Meters Charge

The customer must pay a Campus Meters Charges for all but the first meter. The Campus Meters Charge recovers costs for the meters, Current Transformer (CT), Potential Transformer (PT), meter testing, data management services, auxiliary metering equipment and additional billing services. The Campus Meters Charges vary by service voltage level. Information on the associated monthly charges is available on SMUD’s website, [www.smud.org](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.

### C. Data Services Meter Rental

If a data service meter is required for communication with a legacy meter(s) there is an additional fee for rental of the data services meter. Information on the associated monthly charges is available on SMUD’s website, [www.smud.org](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. Rate Changes

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

## III. Site Infrastructure Charge

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

## IV. Conditions of Service

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

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

# General Service Campus Billing Rate Schedule CB

- B. The term “legal entity” means the name on each account must be the same company/organization.
- C. All meters are on a contiguous site. The parcels of land are physically adjacent; the parcels may be separated by public streets or railways.
- D. No meter provides sub-metering on campus to third parties.
- E. All meters are served at the same service voltage. SMUD recognizes the following three voltage classes:
  - 1. Transmission – 69 kV or higher
  - 2. Primary – 12 kV or 21 kV
  - 3. Secondary – all voltages lower than 12 kV
- F. Each meter is capable of interval metering on each service entrance.  
If a meter is not capable of interval metering the customer will be charged for the cost of installing such a meter.
- G. Agricultural Service and General Service accounts.  
  
AG and GS can be included in a campus account, however, a campus account cannot consist of solely accounts on Agricultural service or solely on General Service or a combination of Agricultural and General Service cannot combine into a campus account.
- H. The campus account maintains or exceeds GS-TOU3 eligibility.
- I. No use of parallel systems for shifting load between different rate offerings.  
  
Should this occur, SMUD shall have the right to corrective billing on a single rate and full reimbursement of waived System Infrastructure Fixed Charges.
- J. The customer provides SMUD with a single point of contact for billing and service questions.
- K. At least one of the proposed campus accounts is on a GS-TOU Rate as defined in Rate Schedules GS-TOU1, GS-TOU2, or GS-TOU3 at the time campus billing is requested.
- L. All the meters must feed off the same substation as determined by SMUD. For subtransmission customers, all meters must be fed off the same bank at the substation as determined by SMUD.

Campus accounts created before January 1, 2014, are grandfathered under the prior rate option with regard to subsection K, and subsection L. If a grandfathered account requests that additional meters be added to the campus, the addition will be allowed if the service is fed from a substation already part of the campus account.

## V. Setting Up a Campus Account

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

## VI. Billing

### A. Service Rendered

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

# General Service Campus Billing Rate Schedule CB

## 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 price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, Grid Access 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	
Price changes within billing period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

## C. Contract Capacity

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

## VII. Terminating a Campus Billing Account

If after a rolling twelve-month period the demand for the campus account falls below the minimum demand for a GS-TOU3 rate, the campus account will be terminated. All meters will revert to individual accounts. The accounts will not be eligible to return to a campus account for twelve months thereafter and only if they meet all the criteria for the Campus Billing Option listed in Section IV Conditions of Service. This rule applies to all Campus accounts regardless the date they were created.

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

## VIII. Reinstating a Campus Billing Account

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

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

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

*(End)*

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

## I. Applicability

This Rate Schedule 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>\$6.72</b>	<b>\$6.46</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

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

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 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)*

# Distribution Wheeling Service Rate Schedule DWS

## I. Applicability

This Rate Schedule 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 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	\$10.100	\$1.573

\* 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.



# 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)

# General Service Rate Schedule GS

## I. Applicability

This Rate Schedule GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer’s premises. 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>			
System Infrastructure Fixed Charge - per month per meter	\$21.35	\$9.55	\$26.00
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$8.02
Electricity Usage Charge			
All day \$/kWh	\$0.1379	\$0.1394	\$0.1081
<b>Summer Season - June 1 through September 30</b>			
System Infrastructure Fixed Charge - per month per meter	\$21.35	\$9.55	\$26.00
Site Infrastructure Charge (per 12 months max kW or contract capacity)	n/a	n/a	\$8.02
Electricity Usage Charge			
On-peak \$/kWh	\$0.3181	\$0.1394	\$0.2759
Off-peak \$/kWh	\$0.1163	\$0.1394	\$0.0957

## III. Electricity Usage Surcharges

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

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

# General Service Rate Schedule GS

## IV. Rate Option Menu

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

**B. Campus Rates.** Refer to Rate Schedule 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's premises, 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 (\$/kW of Contract Capacity per month)</b>	<b>Secondary</b>	<b>Primary</b>	<b>Subtransmission</b>
	\$7.03	\$5.55	\$2.81

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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

### **F. SMUD Renewable Energy Options**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

### **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**

**SACRAMENTO MUNICIPAL UTILITY DISTRICT**  
Resolution No. XX-XX-XX adopted June 24, 2019

Sheet No. **GS-2**  
Effective: **January 1, 2020**  
Edition: **January 1, 2020**

# General Service Rate Schedule GS

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* .....\$0.0115

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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* ..... \$0.3053

## D. Billing Periods

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

2. **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

# General Service Rate Schedule GS

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 price. The System Infrastructure Fixed Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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 service has been disconnected. 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 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>		\$302.55
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.59
<b>Electricity Usage Charge</b>		
On-Peak Period \$/kWh		\$0.1048
Off-peak period \$/kWh		\$0.0748
<b>Summer Season – June 1 through September 30</b>		
<b>System Infrastructure Fixed Charge per month per meter</b>		\$302.55
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.59
<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		\$6.08
“Extremely Hot”    if T >= 100° for a single day; or		\$5.71
“Very Hot”          if 100° > T > 95°; or		\$1.06
“Mild to Hot”        if 95° >= T		No Charge
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh		\$0.1424
On-Peak \$/kWh		\$0.1252
Off-Peak \$/kWh		\$0.0942

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

### IV. Rate Option Menu

#### A. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org)

#### 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.”

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.

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

## 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 .....\$0.0115*

### 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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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 .....\$0.3053*

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

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

## 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.



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

### 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 price. 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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 service has been disconnected. 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)*

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

## I. Applicability

This Rate Schedule GS-TOU1 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premises. 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	\$114.25	\$114.25	\$302.55
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.25	\$4.09	\$3.25
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1142	\$0.1086	\$0.1047
Off-Peak \$/kWh	\$0.0905	\$0.0846	\$0.0828
<b>Summer Season - June 1 through September 30</b>			
System Infrastructure Fixed Charge – per month per meter	\$114.25	\$114.25	\$302.55
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.25	\$4.09	\$3.25
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.1779	\$0.1467	\$0.1423
On-Peak \$/kWh	\$0.1419	\$0.1335	\$0.1252
Off-Peak \$/kWh	\$0.1135	\$0.1036	\$0.1021

## III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## IV. Rate Option Menu

**A. Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

**B. Campus Billing.** Refer to Rate Schedule 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 has generation, sited on the customer's premises, 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
	\$7.03	\$5.55	\$2.81

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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

## F. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

## 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:

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*

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

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* .....\$0.0115

**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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* .....\$0.3053

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

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

# 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 price. The System Infrastructure Fixed Charge, Grid Access 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	
Price changes within billing period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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 service has been disconnected. 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 GS-TOU2 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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	Medium C&I	Medium C&I
	Secondary GUS_M	Primary GUP_M	Subtransmission GUT_M
<b>Winter Season – October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$114.25	\$114.25	\$302.55
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.02	\$2.67	\$2.19
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1088	\$0.1029	\$0.0992
Off-Peak \$/kWh	\$0.0861	\$0.0816	\$0.0798
<b>Summer Season – June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$114.25	\$114.25	\$302.55
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )	\$3.02	\$2.67	\$2.19
<b>Summer Super Peak Demand Charge</b> ( <i>\$ per monthly super-peak max kW</i> )	\$7.38	\$6.80	n/a
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.2063	\$0.1963	\$0.1906
On-Peak \$/kWh	\$0.1420	\$0.1369	\$0.1282
Off-Peak \$/kWh	\$0.1094	\$0.1040	\$0.1024

## III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## IV. Rate Option Menu

**A. Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

**B. Campus Billing.** Refer to Rate Schedule 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 has generation, sited on the customer's premises, 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
	\$7.03	\$5.55	\$2.81

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 Demand 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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

## F. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

## 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*

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.

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

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* .....\$0.0115

**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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* .....\$0.3053

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

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



## 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 price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

#### 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 premises 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 service has been disconnected. 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 GS-TOU3 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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 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	\$114.25	\$114.25
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.02	\$3.60
<b>Electricity Usage Charge</b>		
On-Peak \$/kWh	\$0.1104	\$0.1042
Off-Peak \$/kWh	\$0.0877	\$0.0829
<b>Summer Season - June 1 through September 30</b>		
System Infrastructure Fixed Charge - per month per meter	\$114.25	\$114.25
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.02	\$3.60
Summer Super Peak Demand Charge (\$ per monthly super-peak max kW)	\$8.10	\$7.38
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh	\$0.2123	\$0.2021
On-Peak \$/kWh	\$0.1451	\$0.1397
Off-Peak \$/kWh	\$0.1153	\$0.1097

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA)**. Refer to Rate Schedule HGA.

## IV. Rate Option Menu

A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies**. Refer to Rate Schedule EAPR.

B. **Campus Billing**. Refer to Rate Schedule 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 has generation, sited on the customer’s premises, 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>
	\$7.03	\$5.55	\$2.81

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 Demand 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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

## F. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

## 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*  
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.

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

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* .....\$0.0115

**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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* .....\$0.3053

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

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

## 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 price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that falls within the respective pricing periods.

#### 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 premises 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 service has been disconnected. 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)*

# Hydro Generation Adjustment Rate Schedule HGA

## I. Applicability

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

## II. Conditions

- A. SMUD estimates that each inch of precipitation results in 35,000 megawatt hours (MWh) of generation.
- B. The HGA precipitation period begins April 1 of the previous year and ends on March 31 of the current year (Water Year).
- C. The actual inches of precipitation (AP) for each period shall be measured at the National Weather Service Pacific House Cooperative Observer measuring station or suitable replacement.
- D. The AP will be compared to the 50-year median (midpoint) inches of precipitation (MP) measured at Pacific House.
- E. The price of power delivered into the area designated as North Path 15 (NP15) will be used to determine the dollar impact of any excess or shortfall of energy. If NP15 is no longer available, then a suitable replacement will be used.
- F. The AP will be capped at a maximum of 80 inches per Water Year to accommodate for spill.

## III. Budget Impact Determination

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

### A. Precipitation Variance

$$\text{Inches of Precipitation Variance } (\pm \text{IPV}) = \text{MP} - \text{AP}$$

The variance of precipitation equals the difference between the 50-year median and the actual inches of precipitation.

### B. Generation Conversion

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

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

### C. Calculation of Budget Effects

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

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

## IV. Hydro Rate Stabilization Fund

The BI will first be compared to the Hydro Rate Stabilization Fund (HRSF). In Water Years with above median precipitation, funds shall be deposited to the HRSF from Operating Revenues until the HRSF reaches a maximum of 6% of budgeted annual gross retail revenue, at which time subsequent excesses may be returned to the customer through the Hydro Generation Adjustment (HGA). In Water Years with below median precipitation, funds will be withdrawn from the HRSF and applied to Operating Revenues until the HRSF balance reaches zero, at which time the HGA will be levied as a surcharge on electricity usage.

## V. Budget Impact Limitations

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

# Hydro Generation Adjustment Rate Schedule HGA

## VI. Rate Charges

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

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

- A. If Calculated HRSF is  $< 0$

The Accountant will transfer the remaining balance of the HRSF to Operating Revenues and the HGA will be set at:

$$- \frac{\text{Calculated HRSF}}{\text{Budgeted annual retail kWh sales}} = \text{HGA}$$

- B. If Calculated HRSF is  $\geq 0$  and  $\leq 6$  percent of budgeted annual gross retail revenue:

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

- C. If the Calculated HRSF is  $> 6$  percent of budgeted annual gross retail revenue:

The Accountant will transfer the negative BI into the HRSF from Operating Revenues up to 6 percent of budgeted annual gross retail revenue. The Board may authorize the HGA or direct the funds for another purpose. At the Board's direction, the HGA will be set at:

$$- \frac{(\text{Calculated HRSF} - 6\% \text{ of budgeted annual gross retail revenue})}{\text{Budgeted annual retail kWh sales}} = \text{HGA}$$

## VII. Application

The HGA became effective July 1, 2008. The HGA is recalculated for each Water Year and will be applied to the rate schedules May 1 until April 30 of the following year.

(End)

# Net Energy Metering Rate Schedule NEM2

## I. Applicability

This Rate Schedule NEM2 applies to residential, commercial/industrial, and agricultural customers who establish service at a premises after March 31, 2019 or have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD after March 31, 2019.

Customers who established service at their premises on or prior to March 31, 2019 and have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD on or prior to March 31, 2019 are subject to Rate Schedule NEM1.

All customers that have an electrical generation facility on their premises that is fueled by a renewable fuel source that are not eligible for Rate Schedule NEM1 are subject to Rate Schedule NEM2.

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 (NEM) through this Rate Schedule 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 for net energy metering under this Rate Schedule:

1. The facility must be located on the customer's premises; 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

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<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 NEM2

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.*

## IV. Metering

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

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

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

SMUD will pay for and install a single meter, or an equivalent means of metering, capable of registering the flow of electricity in both directions. 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. Grid Access Charge

All customers under this Rate Schedule will be assessed a monthly Grid Access Charge based on the generation capacity of the facility (kW), effective as early as January 1, 2020, and no later than May 31, 2020.

The following monthly Grid Access Charge applies to customers with a photovoltaic generating facility. The generation capacity of the facility is measured using the CEC-AC rating.

Monthly Grid Access Charge	<b>2020</b>
Residential (RT02)	<u>Per kW</u>
	\$8.00
<b>Commercial</b>	
GSN_T	\$6.50
GSS_T, GUS_S, GUS_M, GUS_L, GUP_S, GUP_M, GUP_L	\$5.00
GUT_M, GUT_L	\$4.00
<b>Agriculture (ASN, ASD, AON, AOD)</b>	\$8.00

The monthly per kW charge amounts by year and rate category are shown in the table below:

Rate Category	2021	2022	2023	2024	2025
<b>RT02</b>	\$8.00	\$9.00	\$10.00	\$10.00	\$11.00
<b>GSN_T</b>	\$7.00	\$8.00	\$8.50	\$9.00	\$10.00
<b>GSS_T, GUS_S, GUS_M, GUS_L</b>	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUP_S, GUP_M, GUP_L</b>	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUT_M, GUT_L</b>	\$4.50	\$5.00	\$5.50	\$6.00	\$6.50
<b>ASN, ASD, AON, AOD</b>	\$8.50	\$9.00	\$10.00	\$10.50	\$11.00

For the Grid Access Charge applicable to other renewable resources, refer to Rule and Regulation 21.

# Net Energy Metering Rate Schedule NEM2

## VI. EAPR Grid Access Charge Discount

Residential customers that qualify for the Energy Assistance Program (EAPR) will receive a discount on the monthly Grid Access Charge according to the following income guidelines:

<b>Residential EAPR Grid Access Charge Discount</b>	<b>Per kW</b>
<b>0-50% Federal Poverty Level</b>	100%
<b>&gt;50-100% Federal Poverty Level</b>	100%
<b>&gt;100-150% Federal Poverty Level</b>	50%
<b>&gt;150-200% Federal Poverty Level</b>	50%

## VII. Payments

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

- A. Charges other than electricity usage must be paid monthly. This includes the System Infrastructure Fixed Charge, the Grid Access Charge, Summer Super Peak 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 Rate Schedule, may pay monthly or annually for the net electricity consumed, depending on billing method.
- 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.

## VIII. 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 this NEM2 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 may be zeroed out.

### A. Annual Net Surplus Generation

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

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

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

# Net Energy Metering Rate Schedule NEM2

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. Service Cancellation**

1. If a customer cancels their electric service and has a net surplus generation, SMUD will provide a monetary payment to the customer for the net surplus. Monetary value per kWh of net surplus generation shall be based on the most recently published SMUD budget, calculated as the dollar value of the expected avoided generation and production-related costs divided by the forecasted annual energy sales.
2. For each kWh purchased by SMUD under this annual net surplus generation method, the ownership of the associated renewable electricity credit will transfer from the customer to SMUD.
3. The net surplus monetary value shall be calculated annually.
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.

## **C. 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.

## **IX. Billing**

### **A. Net Electricity Usage**

1. Residential, Small Commercial and Agricultural customers, meeting the eligibility criteria as defined in Section III (A) of this Rate Schedule, will be billed monthly for net electricity usage. Customers may elect annual billing as an alternative.
2. For all other customers, the net electricity usage will be billed each monthly billing cycle.

### **B. Proration of Charges**

The Grid Access Charge will be prorated according to the proration terms of the applicable rate schedule.

#### **A. Discontinuance of Service**

Any customer resuming service at the same premises within 12 months after discontinuing service will be required to pay the Grid Access Charge that would have been billed if service had not been discontinued, except when service has been disconnected. The Grid Access Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

#### **B. Changes to Facility**

The Grid Access Charge will be charged until the customer notifies SMUD of the disconnect of the renewable electrical generation facility.

## **Net Energy Metering Rate Schedule NEM2**

If the size of the facility is modified, the Grid Access Charge will be modified accordingly upon notification or SMUD identification. In the event that the size of the facility is incorrectly reported, SMUD reserves the right to retroactively bill for the difference.

In the event that a customer did not receive approval for installation, SMUD reserves the right to retroactively bill for the Grid Access Charge.

*(End)*

# Outdoor Night Lighting Service Rate Schedule NLGT

## I. Applicability

This Rate Schedule 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)** ..... \$0.0279

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

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The Electricity Usage Charge will be prorated as shown in the following table.

<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
Bill period is longer than 34 days	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

*(End)*

# Residential Service Rate Schedule R

## I. Applicability

This Rate Schedule 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.

### A. Fixed Rate (rate category RF01)

1. The Fixed Rate is the alternative rate to SMUD’s Time-of-Day (TOD) (5-8 p.m.) Rate (rate category RT02) under Rate Schedule R-TOD.
2. The Fixed Rate is required for customers serviced with analog meters and digital non-communicating meters.
3. Customers who qualify for Rate Schedule NEM1 and have an eligible renewable electrical generation facility that was approved for installation prior to January 1, 2018 are eligible to enroll in the Fixed Rate. NEM1 customers that are enrolled in the Fixed Rate may remain on the Fixed Rate after December 31, 2022.
4. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation on or after January 1, 2018 are not eligible to enroll in the Fixed Rate.
5. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 are not eligible to enroll in the Fixed Rate.
6. Customers who have master meters, including those enrolled on the RSMM rate category, are not eligible to enroll in the Fixed Rate.
7. The Fixed Rate will be used for the collection of revenue associated with unauthorized use of residential electric service regardless of the date(s) or time(s) in which the use occurred.

### B. Legacy Rate (rate categories RSCH, RWCH, RSEH, RWEH, RSGH and RWGH) Closed

1. The Legacy Rate is closed for enrollment to all residential customers who do not have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018.
2. The Legacy rate will no longer be an available rate option to residential customers once a customer has been transitioned to the TOD (5-8 p.m.) Rate. Eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.
3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the Legacy Rate may remain on this closed rate until December 31, 2022. If an eligible generation facility customer in this rate category elects an open rate, the customer cannot return to the Legacy Rate.
4. The Legacy Rate will terminate for customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first billing cycle that closes in 2023, and customers will then transition to SMUD’s standard residential rate.

# Residential Service Rate Schedule R

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

1. 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.
2. The master-metered customer's electricity consumption will be billed using the total kWh usage of the master-meter divided by the number of occupied single-family accommodations. The billing calculation will include applicable discounts to all kWh Usage Charges and System Infrastructure Fixed Charge (SIFC) 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.

**II. Firm Service Rates**

**A. Fixed Rate Customers (rate category RF01)**

**Non-Summer Season\* – October 1 through May 31**

**System Infrastructure Fixed Charge per month** \$21.25

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1081

**Summer Season – June 1 through September 30**

**System Infrastructure Fixed Charge per month** \$21.25

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1728

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

**B. Legacy Rate Customers (rate categories RSCH, RWCH, RSEH, RWEH, RSGH, RWGH) Closed**

**Winter Season\* – October 1 through May 31**

**System Infrastructure Fixed Charge per month** \$21.25

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1200

**Summer Season – June 1 through September 30**

**System Infrastructure Fixed Charge per month** \$21.25

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1372

\* All seasons with the exclusion of summer (June 1 – September 30). Winter Season includes Fall (Oct 1 – Nov 30) and Spring (Apr 1 – May 31) periods for Electric Heat rate customers (RSCH, RWCH, RSEH, RWEH).

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

**Non-Summer Season\* – October 1 through May 31**

**System Infrastructure Fixed Charge per month** \$21.25

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1200



# Residential Service Rate Schedule R

**Summer Season – June 1 through September 30**

**System Infrastructure Fixed Charge per month** \$21.25

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1372

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

### III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

### IV. Rate Option Menu

**A. Energy Assistance Program.** Refer to Rate Schedule EAPR.

**B. Medical Equipment Discount Program.** Refer to Rate Schedule MED.

**C. Joint Participation in Medical Equipment Discount and Energy Assistance Programs.** Refer to Rate Schedule MED.

**D. Time-of-Day Rate.** Refer to Rate Schedule R-TOD.

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

**Generator Standby Charge January 1 through December 31**

**\$/kW of Contract Capacity per month**.....\$7.00

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

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

**F. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM 2.

**G. SMUD Renewable Energy Option**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

# Residential Service Rate Schedule R

**H. Special Metering Charge**

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

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

**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 SIFC.

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

**Special Facilities fee per month**.....\$45.65

**V. Billing**

KWh usage may be prorated for nonstandard billing periods, when billing period spans a price change, and/or when the billing period spans more than one season. The monthly SIFC will be prorated when the bill period is shorter than 27 days. The following table shows the basis for the proration in these circumstances. 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 (SIFC and kWh)	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days (kWh)	
Seasons overlap and price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season or pricing periods.

*(End)*

# Residential Time-of-Day Service Rate Schedule R-TOD

## I. Applicability

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

1. Individual or dual metered residences with digital communicating meter installed, 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 Time-of-Day rates under rate schedule R-TOD.

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

### A. Time-of-Day (5-8 p.m.) Rate (rate category RT02)

1. The TOD (5-8 p.m.) Rate is the standard rate for SMUD’s residential customers. Eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.
2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD after December 31, 2017, must be on the TOD (5-8 p.m.) Rate.
3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 must be on the TOD (5-8 p.m.) Rate.
4. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

<b>Summer (Jun 1 - Sept 30)</b>	<b>Peak</b>	Weekdays between 5:00 p.m. and 8:00 p.m.
	<b>Mid-Peak</b>	Weekdays between noon and midnight except during the Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .
<b>Non-Summer (Oct 1 - May 31)</b>	<b>Peak</b>	Weekdays between 5:00 p.m. and 8:00 p.m.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .

<sup>1</sup> See Section V. Conditions of Service

### B. Optional Time-of-Day (4-7 p.m.) Rate (rate category RT01) Closed

1. The TOD (4-7 p.m.) Rate is closed for enrollment to residential customers.
2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the TOD (4-7 p.m.) Rate may remain on this closed rate until December 31, 2022.
3. The TOD (4-7 p.m.) Rate will terminate for customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first billing cycle that closes in 2023, and customers will then transition to SMUD’s standard residential rate.
4. Existing customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018 may enroll in the TOD (5-8 p.m.) Rate or any open rate at any time; however, once enrolled in the TOD (5-8 p.m.) Rate or any other open rate, the customer cannot return to the TOD (4-7 p.m.) Rate.

## Residential Time-of-Day Service Rate Schedule R-TOD

5. This rate has three kilowatt-hour (kWh) 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 holidays <sup>1</sup> .

<sup>1</sup> See Section V. Conditions of Service

### II. Firm Service Rates

<b>A. Time-of-Day (5-8 p.m.) Rate</b>	<b>Rate Category RT02</b>
<b>System Infrastructure Fixed Charge per month</b>	\$21.25
<b>Non-Summer Prices* – October 1 through May 31</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1402
Off-Peak \$/kWh	\$0.1015
 <b>Summer Prices - June 1 through September 30</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.2970
Mid-Peak \$/kWh	\$0.1688
Off-Peak \$/kWh	\$0.1222

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

<b>B. Optional Time-of-Day (4-7 p.m.) Rate</b>	<b>Rate Category RT01</b>
<b>System Infrastructure Fixed Charge per month</b>	\$21.25
<b>Winter Prices – October 1 through May 31</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1551
Off-Peak \$/kWh	\$0.0894
 <b>Summer Prices - June 1 through September 30</b>	
<b>Electricity Usage Charge</b>	
Summer Super Peak \$/kWh	\$0.3880
Peak \$/kWh	\$0.1551
Off-Peak \$/kWh	\$0.0894

**C. Plug-In Electric Vehicle Credit (rate categories RT02 and RT01)**

This credit is for residential customers who have a licensed passenger battery electric plug-in or plug-in hybrid electric vehicle.

Credit applies to all electricity usage charges from midnight to 6:00 a.m. daily

Electric Vehicle Credit..... -\$0.0150/kWh

# Residential Time-of-Day Service Rate Schedule R-TOD

## III. Electricity Usage Surcharges

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

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

## IV. Rate Option Menu

- A. **Energy Assistance Program.** Refer to Rate Schedule EAPR.
- B. **Medical Equipment Discount Program.** Refer to Rate Schedule MED.
- C. **Joint Participation in Medical Equipment Discount and Energy Assistance Program.** Refer to Rate Schedule MED.
- D. **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’s premises, 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**.....\$7.00

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected residential TOD 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 TOD rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

- D. **Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2 for further details.

### E. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org)

### 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 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).

### 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 .....\$45.65

# Residential Time-of-Day Service Rate Schedule R-TOD

## V. Conditions of Service

### A. Time-of-Day Billing Periods

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 electricity usage 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 and Grid Access Charge will be prorated when the bill period is shorter than 27 days as shown in the following table. The monthly System Infrastructure Fixed Charge and Grid Access Charge are 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.

*(End)*

# Street Lighting Service Rate Schedule SLS

## I. Applicability

This Rate Schedule 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 to customers that are not eligible for the default SL\_COM\_M metered rate or as determined by SMUD. The charge will be as follows:

**Electricity and Switching Charge (\$ per watt of connected load)..... \$0.0279**

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

Eligible street lighting customers requesting new installations of lamps or additions of new lamps to existing accounts will default to the metered SL\_COM\_M rate. Eligible street lighting customers will be served under the default rate or as determined by SMUD.

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..... \$9.70**

**Electricity Usage Charge (\$ per kWh) - all kWh..... \$0.0838**

## 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)..... \$0.0279**

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 will default to the metered SL\_DOM\_M rate unless otherwise determined by SMUD. Street lighting customers who are determined by SMUD 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 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) ..... \$0.0279

Rate Category SL\_DOM\_M, metered

System Infrastructure Fixed Charge per month or portion thereof..... \$9.70

Electricity Usage (\$ per kWh) - all kWh..... \$0.0838

### 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. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 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 (SL\_DOM, SL\_COM, and SL\_CODM)

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.

### C. Proration of Charges (SL\_DOM\_M and SL\_COM\_M)

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

*(End)*

# Traffic Control Intersection Lighting Service Rate Schedule TC ILS

## I. Applicability

This Rate Schedule TC ILS applies to electric service for the benefit of cities, counties, and other public agencies for pedestrian and vehicular traffic signal units, together with related control devices for the purpose of traffic safety and management 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..... \$5.75

Plus

### Electricity Usage Charge

\$/ kWh ..... \$0.1052

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA)**. Refer to Rate Schedule 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)

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

## I. Applicability

This Rate Schedule 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 ..... \$4.20

For units larger than 70 watts of connected load and not exceeding three lamps per unit,  
the monthly charge **per lamp per watt** ..... \$0.0292

The total charge per month being not less than ..... \$4.20

## III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 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)*

# Interconnection Requirements Rule and Regulation 21

## I. Requirements

Rule and Regulation 21 sets forth the mandatory conditions and requirements for the interconnection and operation of distributed generation. All distributed generation connecting to the SMUD distribution system must comply with the mandatory conditions and requirements of Rule and Regulation 21, as further specified in SMUD Policy and Procedure 11-01. Interconnection is at SMUD's sole discretion and is prohibited until an approval to interconnect is provided by SMUD.

Requirements for interconnecting and operating distributed generation shall be available on the SMUD website ([www.smud.org](http://www.smud.org)) and shall address, at a minimum, the following topics:

- Applicability
- Definitions
- General Rules, Rights, and Obligations
- Application and Interconnection Process
- Initial Review Process for Applications to Interconnect a Generating Facility
- Photovoltaic Interconnection Design Standards
- Generating Facility Design and Operating Requirements
- Maintenance and Permits
- Interconnection Facility and Distribution System Modifications and Costs
- Metering, Monitoring, and Telemetry
- Testing and Certification Criteria
- Interruptions or Reductions of Deliveries
- Access to Premises
- Indemnity and Liability By Customer
- Dispute Resolution Process

## II. Grid Access Charge

All customers with an electrical generation facility on their premises will be assessed a monthly Grid Access Charge, except as provided as follows:

- Customers who established service at their premises on or prior to January 1, 2018 and have a renewable electrical generation facility<sup>1</sup> on their premises that was approved for installation on or prior to January 1, 2018 are exempt from the Grid Access Charge for 20 years from the date of the first billing cycle after initial facility interconnection date. This exemption period will not end any earlier than 2023, unless the customer moves out or transfers service.
- Customers who established service at their premises between January 1, 2018 and March 31, 2019 or have a renewable electrical generation facility on their premises which had an application for interconnection received by SMUD on or prior to March 31, 2019 are exempt from the Grid Access Charge for 10 years from the date of the first billing cycle after initial facility interconnection date, unless the customer moves out or transfers service.

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<sup>1</sup> See the CEC's most current Renewable Portfolio Standard Eligibility Guidebook for the purposes of providing the technical definition of a renewable electrical generation facility.

# Interconnection Requirements Rule and Regulation 21

The Grid Access Charge will go into effect as early as January 1, 2020 and no later than May 31, 2020.

The generation capacity of the customer’s facility (kW) is used to determine the Grid Access Charge. For photovoltaic facilities, the generation capacity is based on the CEC-AC rating of the facility. For all other resources, the nameplate Alternating Current (AC) rating will be used to measure generation capacity.

In the event that a customer did not receive approval for installation, SMUD reserves the right to retroactively bill for the Grid Access Charge.

## A. Grid Access Charge for Photovoltaic (Solar) Facilities

For photovoltaic (solar) generating facilities, the Grid Access Charge amount by year and customer rate category is shown in the table below, in \$/kW:

Rate Category	2020	2021	2022	2023	2024	2025
<b>RT02</b>	\$8.00	\$8.00	\$9.00	\$10.00	\$10.00	\$11.00
<b>GSN_T</b>	\$6.50	\$7.00	\$8.00	\$8.50	\$9.00	\$10.00
<b>GSS_T, GUS_S, GUS_M, GUS_L,</b>	\$5.00	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUP_S, GUP_M, GUP_L</b>	\$5.00	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUT_M, GUT_L</b>	\$4.00	\$4.50	\$5.00	\$5.50	\$6.00	\$6.50
<b>ASN, ASD, AON, AOD</b>	\$8.00	\$8.50	\$9.00	\$10.00	\$10.50	\$11.00

The charge for 2022-2025 assumes a 4% rate increase each year.

## B. Grid Access Charge - Methodology

The Grid Access Charge for all other non-photovoltaic generating facilities will be determined based on a methodology using an unbundled non-bypassable cost component by rate class and service voltage level, as follows:

Residential Non-Bypassable Components (\$/kWh)		
Season and Time Period		Residential
Summer	Peak	\$ 0.2558
	Mid-Peak	\$ 0.0838
	Off-Peak	\$ 0.0526
Non-Summer	Peak	\$ 0.0632
	Off-Peak	\$ 0.0476

Residential season and time periods follow the time periods from the standard time-of-day rate.

Non-Residential Non-Bypassable Components (\$/kWh)						
Season and Time Period		Agriculture	GSN_T	Secondary	Primary	Subtransmission
Summer	Peak	\$ 0.1997	\$ 0.1966	\$ 0.1161	\$ 0.1075	\$ 0.0970
	Off-Peak	\$ 0.0474	\$ 0.0441	\$ 0.0332	\$ 0.0389	\$ 0.0291
Non-Summer	Peak	\$ 0.0551	\$ 0.0310	\$ 0.0386	\$ 0.0462	\$ 0.0337
	Off-Peak	\$ 0.0493	\$ 0.0326	\$ 0.0339	\$ 0.0410	\$ 0.0298
	Off-Peak Saver	\$ 0.0751	\$ 0.0467	\$ 0.0261	\$ 0.0301	\$ 0.0234

Non-residential season and time periods follow the proposed commercial restructure time periods.

The Grid Access Charge applied to a customer generating facility is calculated using the non-bypassable cost components (\$/kWh) times the system size (kW) times the capacity factor of the generation facility times the number of hours per year (8,760) as shown in the formula below:

$$\text{Non-bypassable cost component} \times \text{kW} \times \text{capacity factor} \times 8,760 = \text{Annual Charge}$$

$$\text{Annual Charge} / 12 \text{ billing cycles} = \text{Grid Access Charge } (\$/\text{kW})$$

# Interconnection Requirements Rule and Regulation 21

## C. Time Periods

The non-residential non-bypassable cost components in Section II(B) are based on the following time periods. Holidays are defined in the applicable rate schedules.

<b>Non-Summer October 1 -May 31</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak Saver	Every day between 9:00 a.m. and 4:00 p.m., including holidays
	Off-Peak	All other hours, including holidays
<b>Summer June 1 -September 30</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

## III. Changes to Requirements

SMUD's General Manager and CEO is authorized to develop, implement, and revise as necessary interconnection requirements addressing the above topics and such additional provisions to respond to legislation, regulatory requirements, industry practice, operating requirements, or average service costs.

*(End)*

# 2021 Rates, Rules and Regulations

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## Table of Contents

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

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# Preliminary Statement

## **Territory Served by SMUD**

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

## **Description of Service**

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

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

## **Procedure to Obtain Service**

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

## **Establishment of Credit and Deposits**

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

## **General**

### **1. MEASUREMENT OF ELECTRIC ENERGY**

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

### **2. DISCOUNTS**

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

# Agricultural Service Rate Schedule AG

## I. Applicability

This Rate Schedule AG applies to single- or three-phase nonresidential agricultural service, delivered at standard voltages designated by SMUD as available at the customer's premises. 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)	(May 1 - Oct 31)
	Winter	Summer
<b>System Infrastructure Fixed Charge - per month per meter</b>	\$12.15	\$12.15
<b>Electricity Usage Charge \$/kWh for all kWh</b>	\$0.1350	\$0.1480

### 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>	\$28.25	\$28.25
<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	\$2.79	\$2.79
<b>Electricity Usage Charge \$/kWh</b>		
Base Usage – 8,750 kWh per month	\$0.1495	\$0.1433
Base Usage Plus – kWh over 8,750 per month	\$0.1173	\$0.1037

### C. Small Agricultural Optional Time-of-Day – AON

This optional rate is for small agricultural accounts having a monthly maximum demand of 30 kW or less. Customers transferring to the small agricultural Time-of-Day Rate must remain on the rate for a minimum of four months. Customers electing to move off this optional rate cannot return to service under this schedule for 12 months.

## Agricultural Service Rate Schedule AG

Season	Winter	Summer
<b>System Infrastructure Fixed Charge - per month – per meter</b>	\$16.30	\$16.30
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1553	\$0.2252
Off-Peak period	\$0.1323	\$0.1210

### D. Large Agricultural Optional Time-of-Day – AOD

This optional rate is for large agricultural accounts with demand greater than 30 kW and less than 499 kW. Customers transferring to the agricultural Time-of-Day Rate must remain on the rate for a minimum of 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>	\$98.25	\$98.25
<b>Maximum Demand Charge \$/ kW</b>	\$2.78	\$3.89
<b>Electricity Usage Charge \$/kWh</b>		
On-Peak period	\$0.1546	\$0.2393
Off-Peak period	\$0.1312	\$0.1275

### III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 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 generation, sited on the customer's premises, 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>	\$7.35	\$5.80	\$2.93

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 Schedules NEM and NEM2.

**B. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

# Agricultural Service Rate Schedule AG

## C. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

## 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 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* .....\$0.0120

# Agricultural Service Rate Schedule AG

**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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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 .....\$0.3191*

**D. Time-of-Day 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.

# Agricultural Service Rate Schedule AG

## 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 price. The Electricity Usage allowances, System Infrastructure Fixed Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

## 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 premises 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 service has been disconnected. 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 Campus Billing Rate Schedule CB

## I. Applicability

This Rate Schedule CB is optional for general service customers served at a common address or industrial campus that have several accounts or service entrances on the same contiguous campus. Campus Billing provides for either hardwire or post-metering of a combination of these accounts to a single load shape for billing purposes. Under this option the customer receives one bill for the entire campus and the aggregated monthly maximum kW is used to determine the applicable rate schedule under which the campus account will be billed. Campus billing is available to customers where at least one existing account to be included in the campus account is on Rate Schedules GS-TOD1, GS-TOD2 or GS-TOD3.

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

## II. Pricing Structure

### A. System Infrastructure Fixed Charge

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

### B. Campus Meters Charge

The customer must pay a Campus Meters Charges for all but the first meter. The Campus Meters Charge recovers costs for the meters, Current Transformer (CT), Potential Transformer (PT), meter testing, data management services, auxiliary metering equipment and additional billing services. The Campus Meters Charges vary by service voltage level. Information on the associated monthly charges is available on SMUD’s website, [www.smud.org](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.

### C. Data Services Meter Rental

If a data service meter is required for communication with a legacy meter(s) there is an additional fee for rental of the data services meter. Information on the associated monthly charges is available on SMUD’s website, [www.smud.org](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. Rate Changes

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

## III. Site Infrastructure Charge

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

## IV. Conditions of Service

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

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

# General Service Campus Billing Rate Schedule CB

- B. The term “legal entity” means the name on each account must be the same company/organization.
- C. All meters are on a contiguous site. The parcels of land are physically adjacent; the parcels may be separated by public streets or railways.
- D. No meter provides sub-metering on campus to third parties.
- E. All meters are served at the same service voltage. SMUD recognizes the following three voltage classes:
  - 1. Transmission – 69 kV or higher
  - 2. Primary – 12 kV or 21 kV
  - 3. Secondary – all voltages lower than 12 kV
- F. Each meter is capable of interval metering on each service entrance.  
If a meter is not capable of interval metering the customer will be charged for the cost of installing such a meter.
- G. Agricultural Service and General Service accounts.  
  
AG and GS can be included in a campus account, however, a campus account cannot consist of solely accounts on Agricultural service or solely on General Service or a combination of Agricultural and General Service cannot combine into a campus account.
- H. The campus account maintains or exceeds GS-TOD3 eligibility.
- I. No use of parallel systems for shifting load between different rate offerings.  
  
Should this occur, SMUD shall have the right to corrective billing on a single rate and full reimbursement of waived System Infrastructure Fixed Charges.
- J. The customer provides SMUD with a single point of contact for billing and service questions.
- K. At least one of the proposed campus accounts is on a GS-TOD Rate as defined in Rate Schedules GS-TOD1, GS-TOD2, or GS-TOD3 at the time campus billing is requested.
- L. All the meters must feed off the same substation as determined by SMUD. For subtransmission customers, all meters must be fed off the same bank at the substation as determined by SMUD.

Campus accounts created before January 1, 2014, are grandfathered under the prior rate option with regard to subsection K, and subsection L. If a grandfathered account requests that additional meters be added to the campus, the addition will be allowed if the service is fed from a substation already part of the campus account.

## V. Setting Up a Campus Account

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

## VI. Billing

### A. Service Rendered

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

# General Service Campus Billing Rate Schedule CB

## 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 price. The System Infrastructure Fixed Charge, Summer Peak Demand Charge, Grid Access 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	
Price changes within billing period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

## C. Contract Capacity

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

## VII. Terminating a Campus Billing Account

If after a rolling twelve-month period the demand for the campus account falls below the minimum demand for a GS-TOD3 rate, the campus account will be terminated. All meters will revert to individual accounts. The accounts will not be eligible to return to a campus account for twelve months thereafter and only if they meet all the criteria for the Campus Billing Option listed in Section IV Conditions of Service. This rule applies to all Campus accounts regardless the date they were created.

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

## VIII. Reinstating a Campus Billing Account

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

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

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

*(End)*

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

## I. Applicability

This Rate Schedule 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>\$7.03</b>	<b>\$6.75</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 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 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.

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

## 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 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)

# Distribution Wheeling Service Rate Schedule DWS

## I. Applicability

This Rate Schedule 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 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	\$10.554	\$1.644

\* 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.

# 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)*



# Residential and General Service Energy Assistance Program Rate Schedule EAPR

## I. Applicability

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

## II. Eligibility for Residential Customers

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

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

## III. Discount for Residential Customers

Eligible residential customers will receive a discount based on qualifying federal poverty level income guidelines beginning the first full bill cycle in 2021. The EAPR discount will include two components:

1. A \$10 System Infrastructure Fixed Charge discount per month; and
2. An additional discount is applied as a 100% reduction in the electricity usage cost per kilowatt hour up to the maximum discount according to the following income guidelines:

Federal Poverty Level	2021 Maximum Electricity Usage Discount
0-50%	\$60
>50 to 100%	\$32
>100 to 150%	\$10
>150 to 200%	\$0

## IV. Eligibility for Nonprofit Organizations

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

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

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

## V. Discount for Nonprofit Organization

All eligible non-profit organization accounts on a residential rate will receive the maximum residential discount.

Eligible commercial customers will receive discounts as follows:

# Residential and General Service Energy Assistance Program Rate Schedule EAPR

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Site Infrastructure Charge (kW) and Summer Peak Demand Charge (kW) each billing period.
- B. The GSN\_T System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.
- C. The GSS\_T System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.
- D. The General Service rate schedules GS-TOD1, GS-TOD2, GS-TOD3 System Infrastructure Fixed Charge will receive a 15 percent discount applied each billing period.

## VI. Electricity Usage Surcharges

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

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

## VII. Conditions of Service

### A. Application

To qualify for EAPR, the customer must complete a SMUD application and submit requested supporting documents. Applications are processed by SMUD or SMUD’s designated agent.

Residential applications are available at SMUD’s website, [www.smud.org](http://www.smud.org), or by calling SMUD customer service at 1-888-742-7683.

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

### B. Verification

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

## VIII. Billing

The effective date of EAPR will be the beginning of the billing period in which the request is approved. If participation is terminated, the effective termination date will be the beginning of the billing period in which the request is received or the cancellation date. The maximum electricity usage discount will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. The discount may be reflected on the customer’s bill with a rate-based identifier code or line item description. The monthly System Infrastructure Fixed Charge discount will be prorated for bill periods shorter than 27 days as shown in the table below.

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

*(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.

## II. Eligibility

- A. Eligible customers are those taking service under Rate Schedules GS-TOD1, GS-TOD2 or GS-TOD3.
- B. Third party verification by a leading Sacramento area economic development organization will validate the legitimacy of the attraction, retention or expansion effort. The following criteria may be considered in the decision process:
  - 1. Alternative locations under consideration (within and outside of California)
  - 2. Workforce requirements
  - 3. Other tax or cash incentives
  - 4. Logistical requirements
  - 5. Infrastructure or site improvement costs
  - 6. Timeline for creating new load and jobs

## III. Pricing Structures

- A. Eligible customers have two options (either Option A or B) to receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Peak Demand 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	Year 6	Year 7	Year 8	Year 9	Year 10
Option A	6.0%	6.0%	6.0%	6.0%	6.0%	5.0%	4.0%	3.0%	2.0%	1.0%
Option B	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

- B. Eligible customers locating in areas of high unemployment and poverty as determined by the Disadvantaged Community designation under the California Office of Environmental Health and Hazard Assessment have two options (either Option C or D) to receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Peak Demand Charge and electricity usage charges on their bill, based on the table below.

<i>Disadvantaged Communities Economic Development Discount</i>										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Option C	8.0%	8.0%	8.0%	8.0%	8.0%	6.5%	5.0%	3.5%	2.0%	0.5%
Option D	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%

## IV. Conditions of Service

- A. Customers must execute an Economic Development Rate (EDR) Option Agreement for ten years commencing on the agreement effective date.

## Economic Development Rate Schedule EDR

- 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 a certificate by a company executive and/or owner certifying that the company is exploring other locations and electricity costs are a factor in its decision to do business in a location. The certification requires review and verification by a senior executive of a leading Sacramento area economic development organization. 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)*

# General Service Rate Schedule GS

## I. Applicability

This Rate Schedule GS applies to single- or three-phase nonresidential general service delivered at standard voltages designated by SMUD as available at the customer's premises. 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.

### 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. Transition to New Restructured Rates

### A. GSS\_T

#### 1. Legacy Rates (closed no later than May 31, 2021)

- a. The Legacy GSS\_T rate will be closed to new customers as early as January 1, 2021, and no later than May 31, 2021, as determined by SMUD
- b. Once a customer has been transitioned to the new restructured GSS\_T Time-of-Day rate, they cannot return to the closed legacy rate(s).

#### 2. Restructured Time-of-Day Rate

- a. Customers on the GSS\_T rate will gradually transition to the new restructured GSS\_T Time-of-Day rate as early as January 1, 2021 and no later than May 31, 2019, as determined by SMUD.
- b. Customers on the GSS\_T Legacy rate will gradually transition to the new restructured GSS\_T Time-of-Day rate as determined by SMUD beginning the first full billing cycle in January 2021 and complete transition no later than May 31, 2021.
- c. The new restructured GSS\_T Time-of-Day rates will follow new rates nomenclature as determined by SMUD.

### B. GSN\_T

#### 1. Legacy GSN\_T Rate (closed no later than May 31, 2022)

- a. The Legacy GSN\_T rate will be closed to new customers as early as January 1, 2022, and no later than May 31, 2022, as determined by SMUD.
- b. Once a customer has been transitioned to the new restructured GSN\_T Time-of-Day rate, they cannot return to the closed legacy rate(s).

# General Service Rate Schedule GS

**2. Restructured GSN\_T Time-of-Day Rate**

- a. Customers on the GSN\_T Legacy rate will gradually transition to the new restructured GSN\_T Time-of-Day rate as early as January 1, 2022 and no later than May 31, 2022, as determined by SMUD.
- b. Customers on the GSN\_T Legacy rate will gradually transition to the new restructured Time-of-Day rate as determined by SMUD beginning the first full billing cycle in January 2022 and complete transition no later than May 31, 2022.
- c. The new restructured GSN\_T Time-of-Day rate will follow new rates nomenclature as determined by SMUD.

**III. Firm Service Rates**

**A. Legacy GSN\_T and GFN Rates**

Rate Category	GSN_T	GFN
<b>Winter Season - October 1 through May 31</b>		
System Infrastructure Fixed Charge - per month per meter	\$22.35	\$9.95
Electricity Usage Charge		
All day \$/kWh	\$0.1440	\$0.1457
<b>Summer Season - June 1 through September 30</b>		
System Infrastructure Fixed Charge - per month per meter	\$22.35	\$9.95
Electricity Usage Charge		
On-peak \$/kWh	\$0.3323	\$0.1457
Off-peak \$/kWh	\$0.1214	\$0.1457

**B. GSS\_T Rates**

**1. Legacy Rates (closed after May 31, 2021)**

Rate Category	GSS_T
<b>Winter Season - October 1 through May 31</b>	
System Infrastructure Fixed Charge - per month per meter	\$27.15
Site Infrastructure Charge <i>(per 12 months max kW or contract capacity)</i>	\$8.38
Electricity Usage Charge	
All day \$/kWh	\$0.1130
<b>Summer Season - June 1 through September 30</b>	
System Infrastructure Fixed Charge - per month per meter	\$27.15
Site Infrastructure Charge <i>(per 12 months max kW or contract capacity)</i>	\$8.38
Electricity Usage Charge	
On-peak \$/kWh	\$0.2883
Off-peak \$/kWh	\$0.1000

# General Service Rate Schedule GS

## 2. Restructured Time-of-Day Rate

Rate Category	GSS_T
<b>Non-Summer Season - October 1 through May 31</b>	
System Infrastructure Fixed Charge - per month per meter	\$86.30
Site Infrastructure Charge (per 12 months max kW or contract capacity)	\$7.77
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1146
Off-Peak \$/kWh	\$0.1113
Off-Peak Saver \$/kWh	\$0.1056
<b>Summer Season - June 1 through September 30</b>	
System Infrastructure Fixed Charge - per month per meter	\$86.30
Site Infrastructure Charge (per 12 months max kW or contract capacity)	\$7.77
Summer Peak Demand Charge (\$ per monthly peak max kW)	\$1.64
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1859
Off-Peak \$/kWh	\$0.1080

## IV. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## V. Rate Option Menu

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

**B. Campus Rates.** Refer to Rate Schedule 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's premises, 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
	\$7.35	\$5.80	\$2.93

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.

# General Service Rate Schedule GS

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

**F. SMUD Renewable Energy Options**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

**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).

## VI. 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



# General Service Rate Schedule GS

Power Factor Adjustment Rate per excess KVAR .....\$0.0120

**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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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 ..... \$0.3191

**VII. Time Periods**

**A. Legacy GSN\_T, GSS\_T and GFN**

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

**2. 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

**B. Restructured GSS\_T Time-of-Day and GSN\_T Time-of-Day**

**1. Time-of-Day Billing Periods**

<b>Non-Summer October 1 -May 31</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak Saver	Every day between 9:00 a.m. and 4:00 p.m., including holidays
	Off-Peak	All other hours, including holidays
<b>Summer June 1 -September 30</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

# General Service Rate Schedule GS

Billing periods 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

## VIII. Billing

### A. Meter Data

Meter data for service rendered in accordance with this Rate Schedule 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 price. The System Infrastructure Fixed Charge, Summer Peak Demand Charge, Grid Access Charge, Site Infrastructure Monthly 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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 service has been disconnected. 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  
Rate Schedule GS**

**IX. Transition Schedule**

Season and Charge Component	Unit	Proposed							
		2021	2022*	2023*	2024*	2025*	2026*	2027*	2028*
<b>Service at Secondary Voltage Level (GSN_T)</b>									
System Infrastructure Fixed Charge	per month	**	\$27.80	\$33.30	\$33.75	\$34.20	\$34.65	\$35.10	\$35.60
Site Infrastructure Monthly Charge	per kW	**	\$0.00	\$0.00	\$0.66	\$1.31	\$1.97	\$2.63	\$3.28
Summer Peak	per kWh	**	\$0.2307	\$0.2417	\$0.2503	\$0.2589	\$0.2675	\$0.2761	\$0.2847
Summer Off-Peak	per kWh	**	\$0.1304	\$0.1276	\$0.1254	\$0.1231	\$0.1208	\$0.1186	\$0.1163
Non-Summer Peak	per kWh	**	\$0.1401	\$0.1363	\$0.1331	\$0.1300	\$0.1269	\$0.1237	\$0.1205
Non-Summer Off-Peak	per kWh	**	\$0.1365	\$0.1290	\$0.1230	\$0.1170	\$0.1110	\$0.1050	\$0.0990
Non-Summer Off-Peak Saver	per kWh	**	\$0.1346	\$0.1252	\$0.1176	\$0.1101	\$0.1025	\$0.0949	\$0.0874
<b>Service at Secondary Voltage Level (GSS_T)</b>									
System Infrastructure Fixed Charge	per month	\$86.30	\$149.80	\$213.30	\$276.85	\$340.35	\$402.40	\$402.40	\$402.40
Site Infrastructure Charge	per kW	\$7.77	\$7.16	\$6.55	\$5.93	\$5.32	\$4.71	\$4.71	\$4.71
Summer Peak Demand Charge	per kW	\$1.64	\$3.28	\$4.93	\$6.57	\$8.21	\$9.85	\$9.85	\$9.85
Summer Peak	per kWh	\$0.1859	\$0.1876	\$0.1894	\$0.1911	\$0.1929	\$0.1947	\$0.1947	\$0.1947
Summer Off-Peak	per kWh	\$0.1080	\$0.1060	\$0.1040	\$0.1021	\$0.1001	\$0.0982	\$0.0982	\$0.0982
Non-Summer Peak	per kWh	\$0.1146	\$0.1164	\$0.1182	\$0.1200	\$0.1218	\$0.1236	\$0.1236	\$0.1236
Non-Summer Off-Peak	per kWh	\$0.1113	\$0.1095	\$0.1077	\$0.1059	\$0.1042	\$0.1024	\$0.1024	\$0.1024
Non-Summer Off-Peak Saver	per kWh	\$0.1056	\$0.0975	\$0.0894	\$0.0814	\$0.0732	\$0.0653	\$0.0653	\$0.0653

\*Subject to future rate increases. Effective dates as indicated in Section II. Restructured Time-of-Day periods apply as described in Section VII.

\*\*Rate not being restructured until 2022

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

## I. Applicability

This Rate Schedule 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>		\$316.20
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.62
<b>Electricity Usage Charge</b>		
On-Peak Period \$/kWh		\$0.1095
Off-peak period \$/kWh		\$0.0782
<b>Summer Season – June 1 through September 30</b>		
<b>System Infrastructure Fixed Charge per month per meter</b>		\$316.20
<b>Site Infrastructure Charge</b> ( <i>\$ per 12 month max kW or contract capacity</i> )		\$0.62
<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		\$6.35
“Extremely Hot”    if T >= 100° for a single day; or		\$5.97
“Very Hot”            if 100° > T > 95°; or		\$1.11
“Mild to Hot”        if 95° >= T		No Charge
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh		\$0.1488
On-Peak \$/kWh		\$0.1308
Off-Peak \$/kWh		\$0.0984

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

### IV. Rate Option Menu

#### A. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org)

#### 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.”

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.

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

## 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 .....\$0.0120*

### 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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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 .....\$0.3191*

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

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

## 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.

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

### 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 price. 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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 service has been disconnected. 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)*

# Large General Service Time-of-Day Rate Schedule GS-TOD1

## I. Applicability

This Rate Schedule GS-TOD1 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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.

### A. Legacy Rates (closed after May 31, 2021)

1. The Legacy commercial rates will be closed to new customers as early as Jan. 1, 2021, and no later than May 31, 2021, as determined by SMUD
2. Once a customer has been transitioned to the new restructured Time-of-Day rate, they cannot return to the closed legacy rate(s).

### B. Restructured Time-of-Day Rate

1. Customers will gradually transition to the new restructured Time-of-Day rate as early as Jan. 1, 2021 and no later than May 31, 2021, as determined by SMUD.
2. Customers on the Legacy rate will gradually transition to the new restructured Time-of-Day rate as determined by SMUD beginning the first full billing cycle in January 2021 and complete transition no later than May 31, 2021.
3. The new restructured Time-of-Day rates will follow new rates nomenclature as determined by SMUD.

## II. Firm Service Rates

### A. Legacy Rates (closed after May 31, 2021)

	<b>Large C&amp;I Secondary GUS_L</b>	<b>Large C&amp;I Primary GUP_L</b>	<b>Large C&amp;I Subtransmission GUT_L</b>
<b>Winter Season - October 1 through May 31</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$119.35	\$119.35	\$316.20
<b>Site Infrastructure Charge</b> (\$ per 12 month max kW or contract capacity)	\$4.44	\$4.27	\$3.39
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1193	\$0.1135	\$0.1095
Off-Peak \$/kWh	\$0.0946	\$0.0884	\$0.0865
<b>Summer Season - June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$119.35	\$119.35	\$316.20
<b>Site Infrastructure Charge</b> (\$ per 12 month max kW or contract capacity)	\$4.44	\$4.27	\$3.39
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.1859	\$0.1532	\$0.1488
On-Peak \$/kWh	\$0.1483	\$0.1395	\$0.1308
Off-Peak \$/kWh	\$0.1187	\$0.1083	\$0.1067



# Large General Service Time-of-Day Rate Schedule GS-TOD1

## B. Restructured Time-of-Day Rate

Voltage Level Rate Category	Large C&I Secondary GUS_L	Large C&I Primary GUP_L	Large C&I Subtransmission GUT_L
<b>Non-Summer Season - October 1 through May 31</b>			
System Infrastructure Fixed Charge – per month per meter	\$1,157.15	\$200.35	\$1,059.95
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.53	\$4.21	\$3.34
<b>Electricity Usage Charge</b>			
Peak \$/kWh	\$0.1205	\$0.1181	\$0.1132
Off-Peak \$/kWh	\$0.0976	\$0.0946	\$0.0913
Off-Peak Saver \$/kWh	\$0.0920	\$0.0815	\$0.0837
<b>Summer Season - June 1 through September 30</b>			
System Infrastructure Fixed Charge – per month per meter	\$1,157.15	\$200.35	\$1,059.95
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.53	\$4.21	\$3.34
Summer Peak Demand Charge (\$ per monthly peak max kW)	\$3.28	\$4.83	\$3.14
<b>Electricity Usage Charge</b>			
Peak \$/kWh	\$0.1866	\$0.1698	\$0.1537
Off-Peak \$/kWh	\$0.1184	\$0.1056	\$0.1053

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## IV. Rate Option Menu

A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

B. **Campus Billing.** Refer to Rate Schedule 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 all of the following conditions are met:

1. The customer has generation, sited on the customer’s premises, 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
	\$7.35	\$5.80	\$2.93

# Large General Service Time-of-Day Rate Schedule GS-TOD1

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 Peak Demand 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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

**F. SMUD Renewable Energy Option**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

**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:

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.

# Large General Service Time-of-Day Rate Schedule GS-TOD1

## 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* .....\$0.0120

### 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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* .....\$0.3191

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

### 1. Legacy Time-of-Use Billing Periods (closed no later than May 31, 2021)

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

### 2. Restructured Time-of-Day Billing Periods

<b>Non-Summer</b> <b>October 1 -May 31</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak Saver	Every day between 9:00 a.m. and 4:00 p.m., including holidays
	Off-Peak	All other hours, including holidays
<b>Summer</b> <b>June 1 -September 30</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

# Large General Service Time-of-Day Rate Schedule GS-TOD1

Billing periods 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 price. The System Infrastructure Fixed Charge, Summer Peak Demand Charge, Grid Access 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	
Price changes within billing period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

### 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 premises 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 service has been disconnected. 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)*

## Large General Service Time-of-Day Rate Schedule GS-TOD1

### I. Transition Schedule

Season and Charge Component	Unit	Proposed		
		2021	2022*	2023*
<b>Service at Secondary Voltage Level (GUS_L)</b>				
System Infrastructure Fixed Charge	per month	\$1,157.15	\$2,194.90	\$3,309.05
Site Infrastructure Charge	per kW	\$4.53	\$4.62	\$4.71
Summer Peak Demand Charge	per kW	\$3.28	\$6.57	\$9.85
Summer Peak	per kWh	\$0.1866	\$0.1938	\$0.2011
Summer Off-Peak	per kWh	\$0.1184	\$0.1082	\$0.0977
Non-Summer Peak	per kWh	\$0.1205	\$0.1215	\$0.1225
Non-Summer Off-Peak	per kWh	\$0.0976	\$0.0991	\$0.1007
Non-Summer Off-Peak Saver	per kWh	\$0.0920	\$0.0787	\$0.0650
<b>Service at Primary Voltage Level (GUP_L)</b>				
System Infrastructure Fixed Charge	per month	\$200.35	\$281.30	\$281.30
Site Infrastructure Charge	per kW	\$4.21	\$4.16	\$4.16
Summer Peak Demand Charge	per kW	\$4.83	\$9.67	\$9.67
Summer Peak	per kWh	\$0.1698	\$0.1890	\$0.1890
Summer Off-Peak	per kWh	\$0.1056	\$0.0960	\$0.0960
Non-Summer Peak	per kWh	\$0.1181	\$0.1226	\$0.1226
Non-Summer Off-Peak	per kWh	\$0.0946	\$0.0994	\$0.0994
Non-Summer Off-Peak Saver	per kWh	\$0.0815	\$0.0642	\$0.0642
<b>Service at Transmission Voltage Level (GUT_L)</b>				
System Infrastructure Fixed Charge	per month	\$1,059.95	\$1,115.60	\$1,171.25
Site Infrastructure Charge	per kW	\$3.34	\$3.29	\$3.24
Summer Peak Demand Charge	per kW	\$3.14	\$6.28	\$9.42
Summer Peak	per kWh	\$0.1537	\$0.1608	\$0.1679
Summer Off-Peak	per kWh	\$0.1053	\$0.0994	\$0.0934
Non-Summer Peak	per kWh	\$0.1132	\$0.1163	\$0.1193
Non-Summer Off-Peak	per kWh	\$0.0913	\$0.0944	\$0.0975
Non-Summer Off-Peak Saver	per kWh	\$0.0837	\$0.0733	\$0.0630

\*Subject to future rate increases. Effective dates as indicated in Section I.  
Restructured Time-of-Day periods apply as described in Section V.

# Medium General Service Time-of-Day Rate Schedule GS-TOD2

## I. Applicability

This Rate Schedule GS-TOD2 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer’s premises. 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.

### A. Legacy Rates (closed after May 31, 2021)

1. The Legacy commercial rates will be closed to new customers as early as January 1, 2021, and no later than May 31, 2021, as determined by SMUD
2. Once a customer has been transitioned to the new restructured Time-of-Day rate, they cannot return to the closed legacy rate(s).

### B. Restructured Time-of-Day Rate

1. Customers will gradually transition to the new restructured Time-of-Day rate as early as January 1, 2021 and no later than May 31, 2021, as determined by SMUD.
2. Customers on the Legacy rate will gradually transition to the new restructured Time-of-Day rate as determined by SMUD beginning the first full billing cycle in January 2021 and complete transition no later than May 31, 2021
3. The new restructured Time-of-Day rates will follow new rates nomenclature as determined by SMUD.

## II. Firm Service Rates

### A. Legacy Rates (closed)

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>	\$119.35	\$119.35	\$316.20
<b>Site Infrastructure Charge</b> (\$ per 12 month max kW or contract capacity)	\$3.15	\$2.79	\$2.29
<b>Electricity Usage Charge</b>			
On-Peak \$/kWh	\$0.1137	\$0.1075	\$0.1037
Off-Peak \$/kWh	\$0.0900	\$0.0853	\$0.0834
<b>Summer Season – June 1 through September 30</b>			
<b>System Infrastructure Fixed Charge – per month per meter</b>	\$119.35	\$119.35	\$316.20
<b>Site Infrastructure Charge</b> (\$ per 12 month max kW or contract capacity)	\$3.15	\$2.79	\$2.29
<b>Summer Super Peak Demand Charge</b> (\$ per monthly super-peak max kW)	\$7.72	\$7.10	n/a
<b>Electricity Usage Charge</b>			
Super-Peak \$/kWh	\$0.2156	\$0.2051	\$0.1992
On-Peak \$/kWh	\$0.1484	\$0.1431	\$0.1340
Off-Peak \$/kWh	\$0.1143	\$0.1087	\$0.1071

## Medium General Service Time-of-Day Rate Schedule GS-TOD2

### B. Restructured Time-of-Day Rate

Voltage Level Rate Category	Medium C&I	Medium C&I	Medium C&I
	Secondary GUS_M	Primary GUP_M	Subtransmission GUT_M
<b>Non-Summer Season – October 1 through May 31</b>			
System Infrastructure Fixed Charge – per month per meter	\$273.00	\$281.30	\$1,171.25
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$3.54	\$2.96	\$3.24
<b>Electricity Usage Charge</b>			
Peak \$/kWh	\$0.1159	\$0.1243	\$0.1077
Off-Peak \$/kWh	\$0.0939	\$0.1080	\$0.0900
Off-Peak Saver \$/kWh	\$0.0900	\$0.0688	\$0.0585
<b>Summer Season – June 1 through September 30</b>			
System Infrastructure Fixed Charge – per month per meter	\$273.00	\$281.30	\$1,171.25
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$3.54	\$2.96	\$3.24
Summer Peak Demand Charge (\$ per monthly peak max kW)	\$8.88	\$9.67	\$9.42
<b>Electricity Usage Charge</b>			
Peak \$/kWh	\$0.2029	\$0.2016	\$0.1810
Off-Peak \$/kWh	\$0.1237	\$0.1026	\$0.0872

### III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

### IV. Rate Option Menu

A. **Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

B. **Campus Billing.** Refer to Rate Schedule 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 all of the following conditions are met:

1. The customer has generation, sited on the customer's premises, 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
	\$7.35	\$5.80	\$2.93

# Medium General Service Time-of-Day Rate Schedule GS-TOD2

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 Peak Demand 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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

**F. SMUD Renewable Energy Option**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

**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*

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.



## Medium General Service Time-of-Day Rate Schedule GS-TOD2

### 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* .....\$0.0120

#### 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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* .....\$0.3191

### D. Medium General Service Time-of-Day Billing Periods

#### 1. Legacy Time-of-Use Billing Periods (closed no later than May 31, 2021)

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

#### 2. Restructured Time-of-Day Billing Periods

<b>Non-Summer</b> <b>October 1 -May 31</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak Saver	Every day between 9:00 a.m. and 4:00 p.m., including holidays
	Off-Peak	All other hours, including holidays
<b>Summer</b> <b>June 1 -September 30</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

## Medium General Service Time-of-Day Rate Schedule GS-TOD2

Billing periods 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 price. The System Infrastructure Fixed Charge, Summer Peak Demand Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

#### 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 premises 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 service has been disconnected. 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-Day Rate Schedule GS-TOD2

### VII. Transition Schedule

Season and Charge Component	Unit	Proposed			
		2021	2022*	2023*	2024*
<b>Service at Secondary Voltage Level (GUS_M)</b>					
System Infrastructure Fixed Charge	per month	\$273.00	\$739.75	\$1,363.05	\$1,986.35
Site Infrastructure Charge	per kW	\$3.54	\$3.93	\$4.32	\$4.71
Summer Peak Demand Charge	per kW	\$8.88	\$9.21	\$9.53	\$9.85
Summer Peak	per kWh	\$0.2029	\$0.1997	\$0.1973	\$0.1947
Summer Off-Peak	per kWh	\$0.1237	\$0.1147	\$0.1049	\$0.0950
Non-Summer Peak	per kWh	\$0.1159	\$0.1159	\$0.1175	\$0.1193
Non-Summer Off-Peak	per kWh	\$0.0939	\$0.0939	\$0.0962	\$0.0984
Non-Summer Off-Peak Saver	per kWh	\$0.0900	\$0.0857	\$0.0746	\$0.0637
<b>Service at Primary Voltage Level (GUP_M)</b>					
System Infrastructure Fixed Charge	per month	\$281.30	\$281.30	\$281.30	\$281.30
Site Infrastructure Charge	per kW	\$2.96	\$2.96	\$2.96	\$2.96
Summer Peak Demand Charge	per kW	\$9.67	\$9.67	\$9.67	\$9.67
Summer Peak	per kWh	\$0.2016	\$0.2016	\$0.2016	\$0.2016
Summer Off-Peak	per kWh	\$0.1026	\$0.1026	\$0.1026	\$0.1026
Non-Summer Peak	per kWh	\$0.1243	\$0.1243	\$0.1243	\$0.1243
Non-Summer Off-Peak	per kWh	\$0.1080	\$0.1080	\$0.1080	\$0.1080
Non-Summer Off-Peak Saver	per kWh	\$0.0688	\$0.0688	\$0.0688	\$0.0688
<b>Service at Primary Voltage Level (GUT_M)</b>					
System Infrastructure Fixed Charge	per month	\$1,171.25	\$1,171.25	\$1,171.25	\$1,171.25
Site Infrastructure Charge	per kW	\$3.24	\$3.24	\$3.24	\$3.24
Summer Peak Demand Charge	per kW	\$9.42	\$9.42	\$9.42	\$9.42
Summer Peak	per kWh	\$0.1810	\$0.1810	\$0.1810	\$0.1810
Summer Off-Peak	per kWh	\$0.0872	\$0.0872	\$0.0872	\$0.0872
Non-Summer Peak	per kWh	\$0.1077	\$0.1077	\$0.1077	\$0.1077
Non-Summer Off-Peak	per kWh	\$0.0900	\$0.0900	\$0.0900	\$0.0900
Non-Summer Off-Peak Saver	per kWh	\$0.0585	\$0.0585	\$0.0585	\$0.0585

\*Subject to future rate increases. Effective dates as indicated in Section I.  
Restructured Time-of-Day periods apply as described in Section V.

# Small General Service Time-of-Day Rate Schedule GS-TOD3

## I. Applicability

This Rate Schedule GS-TOD3 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premises. 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 GS. Accounts will remain on the GS-TOD3 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.

### A. Legacy Rates (closed no later than May 31, 2021)

1. The Legacy commercial rates will be closed to new customers as early as January 1, 2021, and no later than May 31, 2021, as determined by SMUD.
2. Once a customer has been transitioned to the new restructured Time-of-Day rate, they cannot return to the closed legacy rate(s).

### B. Restructured Time-of-Day Rate

1. Customers will gradually transition to the new restructured Time-of-Day rate as early as January 1, 2021 and no later than May 31, 2021, as determined by SMUD.
2. Customers on the Legacy rate will gradually transition to the new restructured Time-of-Day rate as determined by SMUD beginning the first full billing cycle in January 2021 and complete transition no later than May 31, 2021.
3. The new restructured Time-of-Day rates will follow new rates nomenclature as determined by SMUD.

## II. Firm Service Rates

### A. Legacy Rates (closed)

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	\$119.35	\$119.35
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.20	\$3.77
<b>Electricity Usage Charge</b>		
On-Peak \$/kWh	\$0.1154	\$0.1089
Off-Peak \$/kWh	\$0.0916	\$0.0866
<b>Summer Season - June 1 through September 30</b>		
System Infrastructure Fixed Charge - per month per meter	\$119.35	\$119.35
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.20	\$3.77
Summer Super Peak Demand Charge (\$ per monthly super-peak max kW)	\$8.46	\$7.72
<b>Electricity Usage Charge</b>		
Super-Peak \$/kWh	\$0.2220	\$0.2112
On-Peak \$/kWh	\$0.1516	\$0.1460
Off-Peak \$/kWh	\$0.1205	\$0.1146

# Small General Service Time-of-Day Rate Schedule GS-TOD3

## B. Restructured Time-of-Day Rate

	Small C&I Secondary GUS_S	Small C&I Primary GUP_S
Voltage Level		
Rate Category		
<b>Non-Summer Season - October 1 through May 31</b>		
System Infrastructure Fixed Charge - per month per meter	\$197.55	\$151.30
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.28	\$3.56
<b>Electricity Usage Charge</b>		
Peak \$/kWh	\$0.1170	\$0.1119
Off-Peak \$/kWh	\$0.0944	\$0.0905
Off-Peak Saver \$/kWh	\$0.0937	\$0.0889
<b>Summer Season - June 1 through September 30</b>		
System Infrastructure Fixed Charge - per month per meter	\$197.55	\$151.30
Site Infrastructure Charge (\$ per 12 month max kW or contract capacity)	\$4.28	\$3.56
Summer Peak Demand Charge (\$ per monthly peak max kW)	\$9.25	\$8.51
<b>Electricity Usage Charge</b>		
Peak \$/kWh	\$0.2109	\$0.2033
Off-Peak \$/kWh	\$0.1329	\$0.1300

## III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

## IV. Rate Option Menu

**A. Energy Assistance Program Rate (EAPR) for Nonprofit Agencies.** Refer to Rate Schedule EAPR.

**B. Campus Billing.** Refer to Rate Schedule 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 all of the following conditions are met:

1. The customer has generation, sited on the customer's premises, 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
	\$7.35	\$5.80	\$2.93

# Small General Service Time-of-Day Rate Schedule GS-TOD3

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 Peak Demand 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 Schedules NEM1 and NEM2.

**E. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2.

**F. SMUD Renewable Energy Option**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

**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*

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.

## Small General Service Time-of-Day Rate Schedule GS-TOD3

### 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* .....\$0.0120

#### 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 power factor waiver is not available to customers taking service at the subtransmission service voltage level. 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* .....\$0.3191

### D. Small General Service Time-of-Day Billing Periods

#### 1. Legacy Time-of-Use Billing Periods (closed no later than May 31, 2021)

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

#### 2. Restructured Time-of-Day Billing Periods

<b>Non-Summer</b> <b>October 1 -May 31</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak Saver	Every day between 9:00 a.m. and 4:00 p.m., including holidays
	Off-Peak	All other hours, including holidays
<b>Summer</b> <b>June 1 -September 30</b>	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

## Small General Service Time-of-Day Rate Schedule GS-TOD3

Billing periods 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 price. The System Infrastructure Fixed Charge, Summer Peak Demand Charge, Grid Access 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that falls within the respective pricing periods.

#### 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 premises 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 service has been disconnected. 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-Day  
Rate Schedule GS-TOD3**

**VII. Transition Schedule**

Season and Charge Component	Unit	Proposed						
		2021	2022*	2023*	2024*	2025*	2026*	2027*
<b>Service at Secondary Voltage Level (GUS_S)</b>								
System Infrastructure Fixed Charge	per month	\$197.55	\$405.35	\$614.80	\$832.50	\$1,056.75	\$1,280.95	\$1,503.55
Site Infrastructure Charge	per kW	\$4.28	\$4.35	\$4.42	\$4.49	\$4.56	\$4.64	\$4.71
Summer Peak Demand Charge	per kW	\$9.25	\$9.35	\$9.45	\$9.55	\$9.65	\$9.75	\$9.85
Summer Peak	per kWh	\$0.2109	\$0.2077	\$0.2069	\$0.2060	\$0.2051	\$0.2042	\$0.2033
Summer Off-Peak	per kWh	\$0.1329	\$0.1261	\$0.1208	\$0.1153	\$0.1098	\$0.1042	\$0.0986
Non-Summer Peak	per kWh	\$0.1170	\$0.1170	\$0.1184	\$0.1198	\$0.1212	\$0.1226	\$0.1240
Non-Summer Off-Peak	per kWh	\$0.0944	\$0.0946	\$0.0960	\$0.0974	\$0.0988	\$0.1002	\$0.1016
Non-Summer Off-Peak Saver	per kWh	\$0.0937	\$0.0937	\$0.0882	\$0.0826	\$0.0768	\$0.0711	\$0.0653
<b>Service at Primary Voltage Level (GUP_S)</b>								
System Infrastructure Fixed Charge	per month	\$151.30	\$193.95	\$236.55	\$281.30	\$281.30	\$281.30	\$281.30
Site Infrastructure Charge	per kW	\$3.56	\$3.36	\$3.16	\$2.96	\$2.96	\$2.96	\$2.96
Summer Peak Demand Charge	per kW	\$8.51	\$8.90	\$9.28	\$9.67	\$9.67	\$9.67	\$9.67
Summer Peak	per kWh	\$0.2033	\$0.1908	\$0.1816	\$0.1708	\$0.1708	\$0.1708	\$0.1708
Summer Off-Peak	per kWh	\$0.1300	\$0.1208	\$0.1137	\$0.1053	\$0.1053	\$0.1053	\$0.1053
Non-Summer Peak	per kWh	\$0.1119	\$0.1181	\$0.1262	\$0.1357	\$0.1357	\$0.1357	\$0.1357
Non-Summer Off-Peak	per kWh	\$0.0905	\$0.0978	\$0.1066	\$0.1169	\$0.1169	\$0.1169	\$0.1169
Non-Summer Off-Peak Saver	per kWh	\$0.0889	\$0.0889	\$0.0821	\$0.0742	\$0.0742	\$0.0742	\$0.0742

\*Subject to future rate increases. Effective dates as indicated in Section I.  
Restructured Time-of-Day periods apply as described in Section V.

# Net Energy Metering Rate Schedule NEM1 (*Closed to new customers*)

## I. Applicability

This Rate Schedule NEM1 applies to residential, commercial/industrial, and agricultural customers who established service at their premises on or prior to March 31, 2019 and have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD on or prior to March 31, 2019.

Customers who established service at their premises after March 31, 2019 or have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD after March 31, 2019 are subject to Rate Schedule NEM2.

If a customer moves out or transfers their service after March 31, 2019, the premises will be subject to Rate Schedule NEM2. Customers who move in or transfer their service to a new premises after March 31, 2019, and that premises has an eligible renewable electrical generation facility, are subject to Rate Schedule NEM2.

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 (NEM) 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

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<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 NEM1 (*Closed to new customers*)

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; and
7. The size of the facility has not increased by more than 10% or 1 kW, whichever is greater, based on the CEC-AC rating at the initial date of approval.

*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.*

### 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, Summer Super Peak 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 Rate Schedule, 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 requested to be on the NEM rate and the NEM-eligible system was approved by SMUD for grid connection. At the end of the customer's 12-month settlement period, any unused accumulated monthly retail electricity credits may 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.

## Net Energy Metering Rate Schedule NEM1 (*Closed to new customers*)

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

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

## **VII. Grandfathering Period**

This Rate Schedule will apply to customers who moved in or transferred service prior to January 1, 2018 and have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation before January 1, 2018 for 20 years from the date of the first billing cycle after initial renewable electrical generation facility interconnection date. This grandfathering period will not end any earlier than 2023, unless the customer moves out or transfers service. After such time, the customer will be subject to Rate Schedule NEM2 or the successor rate. If a customer moves out or transfers their service within the grandfathering period, the premises and customer will be subject to Rate Schedule NEM2 or the successor rate.

This Rate Schedule will apply to customers who moved in or transferred service between January 1, 2018 and March 31, 2019 or has an eligible renewable electrical generation facility on their premises which had an application for interconnection received by SMUD on or before March 31, 2019 for 10 years from the date of the first billing cycle after initial renewable electrical generation facility interconnection date. After such time, the customer will be subject to Rate Schedule NEM2 or the successor rate. If a customer moves out or transfers their service within the grandfathering period, the premises and customer will be subject to Rate Schedule NEM2 or the successor rate.

## **VIII. Rate Requirement**

Residential customers who moved in or transferred service prior to January 1, 2018 and have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation before January 1, 2018 may elect to stay on their current rate until December 31, 2022. After December 31, 2022, those customers may elect to be on any open rate until the end of their grandfathering period. After the grandfathering period those customers will be subject to the applicable standard rate.

Residential customers who have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation on or after January 1, 2018 must be on the applicable standard rate.

*(End)*

# Net Energy Metering Rate Schedule NEM2

## I. Applicability

This Rate Schedule NEM2 applies to residential, commercial/industrial, and agricultural customers who establish service at a premises after March 31, 2019 or have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD after March 31, 2019.

Customers who established service at their premises on or prior to March 31, 2019 and have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection received by SMUD on or prior to March 31, 2019 are subject to Rate Schedule NEM1.

All customers that have an electrical generation facility on their premises that is fueled by a renewable fuel source that are not eligible for Rate Schedule NEM1 are subject to Rate Schedule NEM2.

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 (NEM) through this Rate Schedule 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 for net energy metering under this Rate Schedule:

1. The facility must be located on the customer's premises; 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

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<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 NEM2

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.*

## IV. Metering

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

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

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

SMUD will pay for and install a single meter, or an equivalent means of metering, capable of registering the flow of electricity in both directions. New net-meter customers on GS-TOD1, GS-TOD2 or GS-TOD3 will be required to pay the cost differential between standard metering and bi-directional metering.

## V. Grid Access Charge

All customers under this Rate Schedule will be assessed a monthly Grid Access Charge based on the generation capacity of the facility (kW).

The following monthly Grid Access Charge applies to customers with a photovoltaic generating facility. The generation capacity of the facility is measured using the CEC-AC rating.

Monthly Grid Access Charge	<b>2021</b>
Residential (RT02)	<b>Per kW</b>
Residential (RT02)	\$8.00
<b>Commercial</b>	
GSN_T	\$7.00
GSS_T, GUS_S, GUS_M, GUS_L, GUP_S, GUP_M, GUP_L	\$5.50
GUT_M, GUT_L	\$4.50
<b>Agriculture (ASN, ASD, AON, AOD)</b>	<b>\$8.50</b>

The monthly per kW charge amounts by year and rate category are shown in the table below:

Rate Category*	2022	2023	2024	2025
<b>RT02</b>	\$9.00	\$10.00	\$10.00	\$11.00
<b>GSN_T</b>	\$8.00	\$8.50	\$9.00	\$10.00
<b>GSS_T, GUS_S, GUS_M, GUS_L</b>	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUP_S, GUP_M, GUP_L</b>	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUT_M, GUT_L</b>	\$5.00	\$5.50	\$6.00	\$6.50
<b>ASN, ASD, AON, AOD</b>	\$9.00	\$10.00	\$10.50	\$11.00

\* The new restructured commercial Time-of-Day rates will follow new rates nomenclature as determined by SMUD.

For the Grid Access Charge applicable to other renewable resources, refer to Rule and Regulation 21.

# Net Energy Metering Rate Schedule NEM2

## VI. EAPR Grid Access Charge Discount

Residential customers that qualify for the Energy Assistance Program (EAPR) will receive a discount on the monthly Grid Access Charge according to the following income guidelines:

<b>Residential EAPR Grid Access Charge Discount</b>	<b>Per kW</b>
<b>0-50% Federal Poverty Level</b>	100%
<b>&gt;50-100% Federal Poverty Level</b>	100%
<b>&gt;100-150% Federal Poverty Level</b>	50%
<b>&gt;150-200% Federal Poverty Level</b>	50%

## VII. Payments

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

- A. Charges other than electricity usage must be paid monthly. This includes the System Infrastructure Fixed Charge, the Grid Access Charge, Summer Peak 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 Rate Schedule, may pay monthly or annually for the net electricity consumed, depending on billing method.
- 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.

## VIII. 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 this NEM2 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 may be zeroed out.

### A. Annual Net Surplus Generation

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

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

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

# Net Energy Metering Rate Schedule NEM2

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. Service Cancellation**

1. If a customer cancels their electric service and has a net surplus generation, SMUD will provide a monetary payment to the customer for the net surplus. Monetary value per kWh of net surplus generation shall be based on the most recently published SMUD budget, calculated as the dollar value of the expected avoided generation and production-related costs divided by the forecasted annual energy sales.
2. For each kWh purchased by SMUD under this annual net surplus generation method, the ownership of the associated renewable electricity credit will transfer from the customer to SMUD.
3. The net surplus monetary value shall be calculated annually.
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.

## **C. 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.

# **IX. Billing**

## **A. Net Electricity Usage**

1. Residential, Small Commercial and Agricultural customers, meeting the eligibility criteria as defined in Section III (A) of this Rate Schedule, will be billed monthly for net electricity usage. Customers may elect annual billing as an alternative.
2. For all other customers, the net electricity usage will be billed each monthly billing cycle.

## **B. Proration of Charges**

The Grid Access Charge will be prorated according to the proration terms of the applicable rate schedule.

### **A. Discontinuance of Service**

Any customer resuming service at the same premises within 12 months after discontinuing service will be required to pay the Grid Access Charge that would have been billed if service had not been discontinued, except when service has been disconnected. The Grid Access Charge will be waived during each of those months. Retroactive billing shall be at SMUD's sole discretion.

### **B. Changes to Facility**

The Grid Access Charge will be charged until the customer notifies SMUD of the disconnect of the renewable electrical generation facility.



## **Net Energy Metering Rate Schedule NEM2**

If the size of the facility is modified, the Grid Access Charge will be modified accordingly upon notification or SMUD identification. In the event that the size of the facility is incorrectly reported, SMUD reserves the right to retroactively bill for the difference.

In the event that a customer did not receive approval for installation, SMUD reserves the right to retroactively bill for the Grid Access Charge.

*(End)*

# Outdoor Night Lighting Service Rate Schedule NLGT

## I. Applicability

This Rate Schedule 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)** ..... \$0.0292

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

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The Electricity Usage Charge will be prorated as shown in the following table.

<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
Bill period is longer than 34 days	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

*(End)*

# Residential Service Rate Schedule R

## I. Applicability

This Rate Schedule 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.

### A. Fixed Rate (rate category RF01)

1. The Fixed Rate is the alternative rate to SMUD’s Time-of-Day (TOD) (5-8 p.m.) Rate (rate category RT02) under Rate Schedule R-TOD.
2. The Fixed Rate is required for customers serviced with analog meters and digital non-communicating meters.
3. Customers who qualify for Rate Schedule NEM1 and have an eligible renewable electrical generation facility that was approved for installation prior to January 1, 2018 are eligible to enroll in the Fixed Rate. NEM1 customers that are enrolled in the Fixed Rate may remain on the Fixed Rate after December 31, 2022.
4. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation on or after January 1, 2018 are not eligible to enroll in the Fixed Rate.
5. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 are not eligible to enroll in the Fixed Rate.
6. Customers who have master meters, including those enrolled on the RSMM rate category, are not eligible to enroll in the Fixed Rate.
7. The Fixed Rate will be used for the collection of revenue associated with unauthorized use of residential electric service regardless of the date(s) or time(s) in which the use occurred.

### B. Legacy Rate (rate categories RSCH, RWCH, RSEH, RWEH, RSGH and RWGH) Closed

1. The Legacy Rate is closed for enrollment to all residential customers who do not have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018.
2. The Legacy rate will no longer be an available rate option to residential customers once a customer has been transitioned to the TOD (5-8 p.m.) Rate. Eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.
3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the Legacy Rate may remain on this closed rate until December 31, 2022. If an eligible generation facility customer in this rate category elects an open rate, the customer cannot return to the Legacy Rate.
4. The Legacy Rate will terminate for customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first billing cycle that closes in 2023, and customers will then transition to SMUD’s standard residential rate.

# Residential Service Rate Schedule R

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

1. 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.
2. The master-metered customer's electricity consumption will be billed using the total kWh usage of the master-meter divided by the number of occupied single-family accommodations. The billing calculation will include applicable discounts to all kWh Usage Charges and System Infrastructure Fixed Charge (SIFC) 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.

**II. Firm Service Rates**

**A. Fixed Rate Customers (rate category RF01)**

**Non-Summer Season\* – October 1 through May 31**

**System Infrastructure Fixed Charge per month** \$22.20

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1130

**Summer Season – June 1 through September 30**

**System Infrastructure Fixed Charge per month** \$22.20

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1805

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

**B. Legacy Rate Customers (rate categories RSCH, RWCH, RSEH, RWEH, RSGH, RWGH) Closed**

**Winter Season\* – October 1 through May 31**

**System Infrastructure Fixed Charge per month** \$22.20

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1253

**Summer Season – June 1 through September 30**

**System Infrastructure Fixed Charge per month** \$22.20

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1434

\* All seasons with the exclusion of summer (June 1 – September 30). Winter Season includes Fall (Oct 1 – Nov 30) and Spring (Apr 1 – May 31) periods for Electric Heat rate customers (RSCH, RWCH, RSEH, RWEH).

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

**Non-Summer Season\* – October 1 through May 31**

**System Infrastructure Fixed Charge per month** \$22.20

**Electricity Usage Charge:**

All kWh usage per month \$/kWh \$0.1253

# Residential Service Rate Schedule R

<b>Summer Season – June 1 through September 30</b>	
<b>System Infrastructure Fixed Charge per month</b>	\$22.20
<b>Electricity Usage Charge:</b>	
All kWh usage per month \$/kWh	\$0.1434

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

### III. Electricity Usage Surcharges

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

**A. Hydro Generation Adjustment (HGA).** Refer to Rate Schedule HGA.

### IV. Rate Option Menu

**A. Energy Assistance Program.** Refer to Rate Schedule EAPR.

**B. Medical Equipment Discount Program.** Refer to Rate Schedule MED.

**C. Joint Participation in Medical Equipment Discount and Energy Assistance Programs.** Refer to Rate Schedule MED.

**D. Time-of-Day Rate.** Refer to Rate Schedule R-TOD.

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

**Generator Standby Charge January 1 through December 31**

**\$/kW of Contract Capacity per month.....\$7.30**

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

The Generator Standby Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

**F. Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM 2.

**G. SMUD Renewable Energy Option**

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org).

# Residential Service Rate Schedule R

**H. Special Metering Charge**

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

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

**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 SIFC.

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

**Special Facilities fee per month**.....\$47.75

**V. Billing**

KWh usage may be prorated for nonstandard billing periods, when billing period spans a price change, and/or when the billing period spans more than one season. The monthly SIFC will be prorated when the bill period is shorter than 27 days. The following table shows the basis for the proration in these circumstances. 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 (SIFC and kWh)	Relationship between the length of the billing period and 30 days.
Bill period is longer than 34 days (kWh)	
Seasons overlap and price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective season or pricing periods.

*(End)*

# Residential Time-of-Day Service Rate Schedule R-TOD

## I. Applicability

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

1. Individual or dual metered residences with digital communicating meter installed, 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 Time-of-Day rates under rate schedule R-TOD.

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

### A. Time-of-Day (5-8 p.m.) Rate (rate category RT02)

1. The TOD (5-8 p.m.) Rate is the standard rate for SMUD’s residential customers. Eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.
2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD after December 31, 2017, must be on the TOD (5-8 p.m.) Rate.
3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 must be on the TOD (5-8 p.m.) Rate.
4. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

<b>Summer (Jun 1 - Sept 30)</b>	<b>Peak</b>	Weekdays between 5:00 p.m. and 8:00 p.m.
	<b>Mid-Peak</b>	Weekdays between noon and midnight except during the Peak hours.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .
<b>Non-Summer (Oct 1 - May 31)</b>	<b>Peak</b>	Weekdays between 5:00 p.m. and 8:00 p.m.
	<b>Off-Peak</b>	All other hours, including weekends and holidays <sup>1</sup> .

<sup>1</sup> See Section V. Conditions of Service

### B. Optional Time-of-Day (4-7 p.m.) Rate (rate category RT01) Closed

1. The TOD (4-7 p.m.) Rate is closed for enrollment to residential customers.
2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the TOD (4-7 p.m.) Rate may remain on this closed rate until December 31, 2022.
3. The TOD (4-7 p.m.) Rate will terminate for customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first billing cycle that closes in 2023, and customers will then transition to SMUD’s standard residential rate.
4. Existing customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018 may enroll in the TOD (5-8 p.m.) Rate or any other open rate at any time; however, once enrolled in the TOD (5-8 p.m.) Rate or any other open rate, the customer cannot return to the TOD (4-7 p.m.) Rate.



## Residential Time-of-Day Service Rate Schedule R-TOD

5. This rate has three kilowatt-hour (kWh) 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 holidays <sup>1</sup> .

<sup>1</sup> See Section V. Conditions of Service

### II. Firm Service Rates

<b>A. Time-of-Day (5-8 p.m.) Rate</b>	<b>Rate Category RT02</b>
<b>System Infrastructure Fixed Charge per month</b>	\$22.20
<b>Non-Summer Prices* – October 1 through May 31</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1465
Off-Peak \$/kWh	\$0.1061
<b>Summer Prices - June 1 through September 30</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.3103
Mid-Peak \$/kWh	\$0.1764
Off-Peak \$/kWh	\$0.1276

\* Non-Summer Season includes Fall (Oct 1 – Nov 30), Winter (Dec 1 – Mar 31) and Spring (Apr 1 – May 31) periods.

<b>B. Optional Time-of-Day (4-7 p.m.) Rate</b>	<b>Rate Category RT01</b>
<b>System Infrastructure Fixed Charge per month</b>	\$22.20
<b>Winter Prices – October 1 through May 31</b>	
<b>Electricity Usage Charge</b>	
Peak \$/kWh	\$0.1621
Off-Peak \$/kWh	\$0.0934
<b>Summer Prices - June 1 through September 30</b>	
<b>Electricity Usage Charge</b>	
Summer Super Peak \$/kWh	\$0.4055
Peak \$/kWh	\$0.1621
Off-Peak \$/kWh	\$0.0934

**C. Plug-In Electric Vehicle Credit (rate categories RT02 and RT01)**

This credit is for residential customers who have a licensed passenger battery electric plug-in or plug-in hybrid electric vehicle.

Credit applies to all electricity usage charges from midnight to 6:00 a.m. daily

Electric Vehicle Credit..... -\$0.0150/kWh

# Residential Time-of-Day Service Rate Schedule R-TOD

### III. Electricity Usage Surcharges

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

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

### IV. Rate Option Menu

- A. **Energy Assistance Program.** Refer to Rate Schedule EAPR.
- B. **Medical Equipment Discount Program.** Refer to Rate Schedule MED.
- C. **Joint Participation in Medical Equipment Discount and Energy Assistance Program.** Refer to Rate Schedule MED.
- D. **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’s premises, 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**.....\$7.30

In addition to the Generator Standby Service Charge, SMUD will continue to bill for all applicable charges under the selected residential TOD 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 TOD rates.

The Generator Standby Service Charge will be waived for qualifying net metered generation. Refer to Rate Schedules NEM1 and NEM2.

- D. **Net Energy Metering Option.** Refer to Rate Schedules NEM1 and NEM2 for further details.

#### E. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on [www.smud.org](http://www.smud.org)

#### 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 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).

#### 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 .....\$47.75

# Residential Time-of-Day Service Rate Schedule R-TOD

## V. Conditions of Service

### A. Time-of-Day Billing Periods

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 electricity usage 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 and Grid Access Charge will be prorated when the bill period is shorter than 27 days as shown in the following table. The monthly System Infrastructure Fixed Charge and Grid Access Charge are 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.

*(End)*

# Street Lighting Service Rate Schedule SLS

## I. Applicability

This Rate Schedule 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 to customers that are not eligible for the default SL\_COM\_M metered rate or as determined by SMUD. The charge will be as follows:

**Electricity and Switching Charge (\$ per watt of connected load)** ..... \$0.0292

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

Eligible street lighting customers requesting new installations of lamps or additions of new lamps to existing accounts will default to the metered SL\_COM\_M rate. Eligible street lighting customers will be served under the default rate or as determined by SMUD.

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 ..... \$10.15

**Electricity Usage Charge (\$ per kWh) - all kWh** ..... \$0.0876

## 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)** ..... \$0.0292

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 will default to the metered SL\_DOM\_M rate unless otherwise determined by SMUD. Street lighting customers who are determined by SMUD 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 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) ..... \$0.0292

Rate Category SL\_DOM\_M, metered

System Infrastructure Fixed Charge per month or portion thereof..... \$10.15

Electricity Usage (\$ per kWh) - all kWh..... \$0.0876

### 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.

## VI. Electricity Usage Surcharges

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

# Street Lighting Service Rate Schedule SLS

- A. **Hydro Generation Adjustment (HGA).** Refer to Rate Schedule 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, 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 (SL\_DOM, SL\_COM, and SL\_CODM)

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.

### C. Proration of Charges (SL\_DOM\_M and SL\_COM\_M)

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed 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	
Price changes within bill period	Relationship between the length of the billing period and the number of days that fall within the respective pricing periods.

*(End)*

# Traffic Control Intersection Lighting Service Rate Schedule TC ILS

## I. Applicability

This Rate Schedule TC ILS applies to electric service for the benefit of cities, counties, and other public agencies for pedestrian and vehicular traffic signal units, together with related control devices for the purpose of traffic safety and management 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..... \$6.00

Plus

### Electricity Usage Charge

\$/ kWh ..... \$0.1099

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA)**. Refer to Rate Schedule 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)

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

## I. Applicability

This Rate Schedule 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 ..... \$4.40

For units larger than 70 watts of connected load and not exceeding three lamps per unit,  
the monthly charge **per lamp per watt** ..... \$0.0305

The total charge per month being not less than ..... \$4.40

## III. Electricity Usage Surcharges

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

A. **Hydro Generation Adjustment (HGA)**. Refer to Rate Schedule 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)



# Definitions

## Rule and Regulation 1

### ***Applicant***

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

### ***Connected Load***

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

### ***Contract Capacity***

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

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

### ***Customer***

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

### ***Customer-owned Generation***

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

### ***Demand***

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

### ***Energy***

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

### ***Generator Installed Capacity***

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

### ***Heat Pump***

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

### ***Interval Data***

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

### ***Multiplier***

A meter multiplier is applied for locations which have electrical load that is too large for a meter to measure its total usage. In these situations, current and potential transformers are installed allowing a portion of the total usage to be measured. The measured usage is then multiplied by the appropriate amount (the multiplier) to determine the actual kWh used for billing purposes.

### ***Nonagricultural Irrigation***

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

# Definitions

## Rule and Regulation 1

### **Peak Demand**

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

### **Pole Attachment**

Equipment owned by an external party and attached to a SMUD distribution pole that distributes electricity at less than 50 kilovolts. SMUD approval is required and the external party must pay the actual costs incurred by SMUD to facilitate the Pole Attachment plus ongoing attachment fees. If a Pole Attachment draws energy from SMUD, the applicable rate charges and energy rate shall also apply.

### **Power Factor**

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

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

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

### **Power Theft**

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

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

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

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

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

### **Ratcheted Demand**

The highest kW recorded over the past twelve months.

### **Rate Charges**

Charges that may include the following:

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

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

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

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

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

*Standby Charge* – That portion of the charge for standby service which is a fixed amount based on the maximum load SMUD stands

# Definitions

## Rule and Regulation 1

ready to supply in accordance with the rate.

### ***Rating of Installations***

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

### ***Reserved Capacity Charge***

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

### ***Resistance Heating***

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

### ***Site Infrastructure Charge***

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

### ***Subordination***

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

### ***Super Peak Demand Charge***

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

### ***System Infrastructure Fixed Charge***

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

### ***Transformer Installed Capacity***

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

(End)

# Interconnection Requirements Rule and Regulation 21

## I. Requirements

Rule and Regulation 21 sets forth the mandatory conditions and requirements for the interconnection and operation of distributed generation. All distributed generation connecting to the SMUD distribution system must comply with the mandatory conditions and requirements of Rule and Regulation 21, as further specified in SMUD Policy and Procedure 11-01. Interconnection is at SMUD's sole discretion and is prohibited until an approval to interconnect is provided by SMUD.

Requirements for interconnecting and operating distributed generation shall be available on the SMUD website (www.smud.org) and shall address, at a minimum, the following topics:

- Applicability
- Definitions
- General Rules, Rights, and Obligations
- Application and Interconnection Process
- Initial Review Process for Applications to Interconnect a Generating Facility
- Photovoltaic Interconnection Design Standards
- Generating Facility Design and Operating Requirements
- Maintenance and Permits
- Interconnection Facility and Distribution System Modifications and Costs
- Metering, Monitoring, and Telemetry
- Testing and Certification Criteria
- Interruptions or Reductions of Deliveries
- Access to Premises
- Indemnity and Liability By Customer
- Dispute Resolution Process

## II. Grid Access Charge

All customers with an electrical generation facility on their premises will be assessed a monthly Grid Access Charge, except as provided as follows:

- Customers who established service at their premises on or prior to January 1, 2018 and have a renewable electrical generation facility<sup>1</sup> on their premises that was approved for installation on or prior to January 1, 2018 are exempt from the Grid Access Charge for 20 years from the date of the first billing cycle after initial facility interconnection date. This exemption period will not end any earlier than 2023, unless the customer moves out or transfers service.
- Customers who established service at their premises between January 1, 2018 and March 31, 2019 or have a renewable electrical generation facility on their premises which had an application for interconnection received by SMUD on or prior to March 31, 2019 are exempt from the Grid Access Charge for 10 years from the date of the first billing cycle after initial facility interconnection date, unless the customer moves out or transfers service.

The Grid Access Charge will go into effect as early as January 1, 2020 and no later than May 31, 2020.

The generation capacity of the customer's facility (kW) is used to determine the Grid Access Charge. For photovoltaic facilities, the generation capacity is based on the CEC-AC rating of the facility. For all other resources, the nameplate Alternating Current (AC) rating will be used to measure generation capacity.

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<sup>1</sup> See the CEC's most current Renewable Portfolio Standard Eligibility Guidebook for the purposes of providing the technical definition of a renewable electrical generation facility.

# Interconnection Requirements Rule and Regulation 21

In the event that a customer did not receive approval for installation, SMUD reserves the right to retroactively bill for the Grid Access Charge.

## A. Grid Access Charge for Photovoltaic (Solar) Facilities

For photovoltaic (solar) generating facilities, the Grid Access Charge amount by year and customer rate category is shown in the table below, in \$/kW:

Rate Category	2021	2022	2023	2024	2025
<b>RT02</b>	\$8.00	\$9.00	\$10.00	\$10.00	\$11.00
<b>GSN_T</b>	\$7.00	\$8.00	\$8.50	\$9.00	\$10.00
<b>GSS_T, GUS_S, GUS_M, GUS_L,</b>	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUP_S, GUP_M, GUP_L</b>	\$5.50	\$6.00	\$6.50	\$7.00	\$8.00
<b>GUT_M, GUT_L</b>	\$4.50	\$5.00	\$5.50	\$6.00	\$6.50
<b>ASN, ASD, AON, AOD</b>	\$8.50	\$9.00	\$10.00	\$10.50	\$11.00

The charge for 2022-2025 assumes a 4% rate increase each year.

## B. Grid Access Charge – Non-Bypassable Methodology

The Grid Access Charge for all other non-photovoltaic generating facilities will be determined based on a methodology using an unbundled non-bypassable cost component by rate class and service voltage level, as follows:

Residential Non-Bypassable Components (\$/kWh)		
Season and Time Period	Residential	
Summer	Peak	\$ 0.2614
	Mid-Peak	\$ 0.0895
	Off-Peak	\$ 0.0583
Non-Summer	Peak	\$ 0.0689
	Off-Peak	\$ 0.0533

Residential season and time periods follow the time periods from the standard time-of-day rate.

Non-Residential Non-Bypassable Components (\$/kWh)						
Season and Time Period	Agriculture	GSN_T	Secondary	Primary	Subtransmission	
Summer	Peak	\$ 0.2053	\$ 0.2028	\$ 0.1208	\$ 0.1118	\$ 0.1012
	Off-Peak	\$ 0.0530	\$ 0.0504	\$ 0.0379	\$ 0.0432	\$ 0.0333
Non-Summer	Peak	\$ 0.0608	\$ 0.0373	\$ 0.0433	\$ 0.0505	\$ 0.0379
	Off-Peak	\$ 0.0549	\$ 0.0389	\$ 0.0387	\$ 0.0452	\$ 0.0340
	Off-Peak Saver	\$ 0.0807	\$ 0.0530	\$ 0.0309	\$ 0.0344	\$ 0.0276

Non-residential season and time periods follow the proposed commercial restructure time periods.

The Grid Access Charge applied to a customer generating facility is calculated using the non-bypassable cost components (\$/kWh) times the system size (kW) times the capacity factor of the generation facility times the number of hours per year (8,760), as shown in the formula below:

$$\text{Non-bypassable cost component} \times \text{kW} \times \text{capacity factor} \times 8,760 = \text{Annual Charge}$$

$$\text{Annual Charge} / 12 \text{ billing cycles} = \text{Grid Access Charge } (\$/\text{kW})$$

# Interconnection Requirements Rule and Regulation 21

## III. Changes to Requirements

SMUD's General Manager and CEO is authorized to develop, implement, and revise as necessary interconnection requirements addressing the above topics and such additional provisions to respond to legislation, regulatory requirements, industry practice, operating requirements, or average service costs.

*(End)*