

# General Service Rate Schedule GS

## I. Applicability

This schedule is applicable to single or 3 phase service, delivered at such nominal voltage as the customer selects from among those which the District designates are available at the customer's premises, for general service customers including commercial, industrial, including non-agricultural irrigation pumping and other non-residential customers. This schedule is applicable to customer accounts with billing demands that do not exceed 300 kW for 3 or more consecutive months.

## II. Non-Demand Metered Rates

This rate is for general service customers having a demand of 20 kW or less. Whenever use of energy by non-demand metered general service customers is 7,300 kWh or more for 3 consecutive months or whenever, in the District's judgment, the demand will exceed 20 kW, a demand meter will be installed and the customer will be billed on the applicable demand metered rate. The customer will be billed on the demand-metered rate until the demand falls below 21 kW and energy is less than 7,300 kWh for 12 consecutive months before being returned to the GSN rate.

Small Commercial GSN	Summer May 1 – Oct. 31	Winter Nov. 1 – Apr. 30
Service Charge per month or portion thereof	\$7.25	\$7.25
Energy Charge (¢ per kWh) – all kWh	11.17¢	10.81¢
Solar Surcharge (¢ per kWh) – all kWh	0.10¢	0.10¢

## III. Demand Metered Rates

This rate is for general service customers having a demand of 21 kW or more and whereby a demand meter is installed. 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 21 kW and energy is less than 7,300 kWh for 12 consecutive months before being returned to the GSN rate.

Small Commercial Demand-Metered Service GSS	Summer May 1 – Oct. 31	Winter Nov. 1 – Apr. 30
Service Charge per month or portion thereof	\$18.00	\$18.00
Facilities Charge per 12 month maximum kW or installed capacity		
First 20 kW	No Charge	No Charge
Additional kW per month	\$6.00	\$6.00
Energy Charge (¢ per kWh)		
First 7,300 kWh per month	11.13¢	10.09¢
Additional kWh per month	8.58¢	8.04¢
Solar Surcharge (¢ per kWh) – all kWh	0.10¢	0.10¢

## IV. Optional Time-of-use Rates

Commercial and industrial demand metered customers below 300 kW may choose to be served under the small commercial time-of-use rate schedule (GS-TOU3). Transfers from "time-of-use" rate schedules may not be made more than 1 time in a 4-month period. Customers cannot return to Time-of-use service for 12 months.

## V. Discontinuance of Service

Any customer resuming service within 12 months after discontinuing service will be required to pay the facilities charges and service 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 facilities charge and service charge will be waived during each of those months.

## VI. Rate Option Menu

### A. Energy Assistance Program for Non-Profit Agencies

A discount of 15 percent will apply to the service charge, energy charge and facilities charge, if any, for general service customers, directly served by the District, who are certified non-profit agencies as outlined in Sheet No. 1-EAPR-1. The primary function shall be to provide a home (sleeping quarters) for low-income residents, who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence. Given that the primary function is provided by the non-profit agencies, associated facilities that provide daytime services for the homeless (e.g., personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility square footage must be directly related to meeting these functions.

### B. Standby Service Option

This option is for general service customers who operate, in whole or in part, customer-owned generator(s) on their premises and where 1) the output connects to the District's electrical system, and 2) the District must stand ready to provide backup or maintenance service to replace the generator(s).

# General Service Rate Schedule GS

## Standby Service Charge (\$/kW of Contract Capacity per month)

Secondary Distribution Voltage .....	\$5.51
Primary Distribution Voltage .....	\$4.35
69 kV Voltage .....	\$2.16

## Standby Service Option *(continued)*

“Contract Capacity” is a fixed kilowatt value determined by the rating of the generator unit. In addition to the standby service charge, the District will continue to bill for all applicable charges under this rate schedule. These charges include customer and facility charges, as well as demand and energy charges for District-provided power.

## Optional Metered Standby Service Charge

The customer may elect to base the standby charge on actual metered generator output in relation to total site load, which may result in a different standby billing than one based on contract capacity. This option requires the customer to pay for the installation and monthly maintenance of special metering equipment at both the generator and the customer’s SMUD meter.

This option uses a metered standby kW instead of contract capacity kW to determine the standby service charge. The formula is as follows:

$$\text{metered standby kW} = (\text{maximum site kW}) - (\text{SMUD billing kW})$$

where:

“maximum site kW” is the highest coincident sum of the hourly generator output, if any, and the SMUD metered load for the billing period, and

“SMUD billing kW” is the maximum hourly load recorded at the customer meter during the previous 12 months.

## C. Electric Vehicle (EV) Option

Owners of licensed commercial electric vehicles (EV’s) may choose to have a charging location be billed under GSTOU2.

## D. Green Pricing Options

### SMUD Community Solar Option

Customers electing this premium service option will receive an additional charge for monthly energy of no less than 1¢ and no greater than 2¢ per kWh. Contributions will be held until sufficient funds are available for construction of a solar roof top system.

### SMUD Renewable Energy Option

Customers electing this premium power service will receive an additional charge for monthly energy of no less than 1/2¢ and no greater than 2¢ per kWh. SMUD may offer up to 3 premium rate options representing various blends of renewable resources within the 1/2¢ to 2¢ range. The actual prices will be published each November and will be based on the expected above market cost of renewable resources for the upcoming year. Participation will be limited to the amount of resources that SMUD is able to secure below the 2¢ premium limit.

## E. Net Metering for Solar Electric and Wind Turbine and Biomass Generation Facilities

The net metering option is applicable to residential, small commercial, commercial, industrial, or agricultural customers who have a solar or wind electrical generation facility, or a hybrid system of both, or biomass with a capacity of not more than 1000 kilowatts. The facility must be located on the customer’s premises, operate in parallel with the District’s transmission and distribution facilities, and must be intended primarily to offset part or all of the customer’s own electrical requirements. Application for this option is on a first-come, first-served basis and is limited to one-half of one-percent (0.5%) of SMUD’s total system load. The customer must sign the appropriate SMUD interconnection agreement.

### 1. Net Energy Metering for GSN (up to and including 20 kW), and ASN (up to and including 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. For SMUD-supplied photovoltaic (PV) systems, an additional meter for PV generation will be supplied as part of the system package. Customers may elect to pay the estimated outstanding balance each month to minimize year-end settlements. At the end of each twelve (12) month period from the origination of the net metering agreement, SMUD may issue payment to SMUD energy customers for any excess kWh supplied to SMUD during the prior year. Monthly net energy consumed or generated will be billed or credited at the applicable tier or time-of-use rate.

### 2. Net Energy Metering for Commercial greater than 20 kW and agricultural in excess of 30 kW.

SMUD will pay for and install a single meter, or an equivalent means of metering, capable of registering the flow of electricity in both directions. The customer will be required to pay the cost differential between standard metering and bi-directional metering. For SMUD-supplied photovoltaic (PV) systems, an additional meter for PV generation will be supplied as part of the system package. Monthly net energy consumed or generated will be billed or credited at the applicable tier or time-of-use rate. Excess generation over the entire year, will not be reimbursed by the District except through purchase agreement. Demand and facilities charges will remain the same as other customers in the applicable rate category. Bills for demand-billed commercial, industrial, and agricultural customers are subject to payment in each normal billing cycle.

# General Service Rate Schedule GS

## 3. Standby Charges

Customers who qualify for Net Metering are exempt from current standby charges on that portion of their load.

## F. Implementation of Energy Efficiency Program

Customers who implement a District-sponsored Energy Efficiency program may request a reset of their 12-month historical demand upon completion of the project.

## VII. Special Metering Charge

For customers who purchase and install communications hardware and software to transfer energy load data from their meter/recorder to a personal computer, the District will charge a monthly service fee to cover maintenance, software support and the annual licensing fee.

## VIII. Conditions

### A. Type of Electric Service

#### Firm Service

Standard service where the District provides a continuous and sufficient supply of electricity.

### B. Service Voltage Definition

The following defines the 3 voltage classes available. The rate shall be determined by the voltage level at which service is taken according to the following:

#### 1. Secondary

This is the voltage class if the definition of "primary" and "69 kV" do not apply to a customer's service.

#### 2. Primary

This is the voltage class if a customer elects to accept service at a voltage level of 12 kV or 21 kV that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 300 kW.

#### 3. 69 kV

This is the voltage class if a customer elects to accept service at a voltage level of 69 kV or higher that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 500 kW.

### C. Power Factor Adjustment

Accounts on a demand rate may be subject to a power factor adjustment. The District, at its option, may place VAR metering equipment to record reactive power conditions. Effective January 1, 1998, when a customer's monthly power factor falls below 95% leading or lagging, the following billing adjustment will apply

$$\text{Energy} \times \$0.0086 \times \left( \frac{95\%}{\text{Power Factor}} - 1 \right)$$

*Energy* = the total monthly kWh for the account

*Power Factor* = the lesser of the customer's monthly power factor or 95%

Customers that contract with SMUD for power factor corrections will have the power factor adjustment waived for the portion that is covered under the contract.

The fee for correction per KVAR .....\$0.2274

KVAR = maximum 12 month KVAR in excess of 33% of kW.

### D. Billing

#### PRORATION OF CHARGES

BILLING CIRCUMSTANCE	Service Charge	Facilities Charges & Energy Charges	BASIS OF PRORATION
Less than 27 days or more than 34 days	Yes	Yes	Relationship between the length of the billing period and 30 days.
Winter/Summer crossover	Yes	Yes	Relationship between the length of the billing period and the number of days winter and summer.

Meter reading for service rendered in accordance with this rate will not be combined for billing purposes unless the convenience of the District is served thereby.

(End)

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

## I. Applicability

Applicable to single or three phase service, delivered at such nominal voltage as the customer selects from among those which the District designates are available at the customer's premises. This schedule is mandatory for all commercial and industrial (C&I) customers whose monthly demand is 1,000 kW or over for three consecutive months during the preceding 12 months. Customers will remain on this rate schedule until their demand falls below 1000 kW for 12 consecutive months. Customers with installations of commercial thermal energy storage (CTES) 500-999 kW have the options of using either rate schedules GS-TOU1 or GS-TOU2 and must agree to remain on the selected rate schedule for a minimum of 12 months. Service under this schedule is subject to meter availability. The demand for any month will be the maximum 15-minute kW delivery during the month.

## II. Firm Service Rate

Rate Category	Large C&I GUS_L Secondary	Large C&I GUP_L Primary	Large C&I GUT_L 69KV
<b>Winter Season - October 1 Through May 31</b>			
<b>Service Charge - per month per meter</b>	\$85.00	\$85.00	\$225.00
<b>Facilities Charge</b> ( <i>per 12 months max kW or installed capacity</i> )	\$3.15	\$3.00	\$2.40
<b>Energy Charge</b>			
On-Peak ¢/kWh	8.47¢	8.06¢	7.76¢
Off-Peak ¢/kWh	6.71¢	6.28¢	6.14¢
Solar Surcharge ¢/kWh	0.10¢	0.10¢	0.10¢
<b>Summer Season - June 1 Through September 30</b>			
<b>Service Charge - per month per meter</b>	\$85.00	\$85.00	\$225.00
<b>Facilities Charge</b> ( <i>per 12 months max kW or installed capacity</i> )	\$3.15	\$3.00	\$2.40
<b>Energy Charge</b>			
Super-Peak ¢/kWh	13.20¢	10.89¢	10.58¢
On-Peak ¢/kWh	10.56¢	9.91¢	9.29¢
Off-Peak ¢/kWh	8.44¢	7.70¢	7.58¢
Solar Surcharge ¢/kWh	0.10¢	0.10¢	0.10¢

## III. Rate Option Menu

### A. Energy Assistance Program for Non-Profit Agencies

A discount of 15 percent of the service charge, facilities charge and energy charge for large general service customers directly served by the District, who are certified non-profit agencies as outlined in Sheet No. 1-EAPR-1. The primary function shall be to provide a home (sleeping quarters) for low-income residents, who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence. Given that the primary function is provided by the non-profit agencies, associated facilities that provide daytime services for the homeless (e.g., personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility square footage must be directly related to meeting these functions.

### B. Campus Rates

Campus billing is a condition whereby the customer is served from a common address or industrial campus and has several accounts or services entrances on the same contiguous campus. Campus billing provides for either hardwire or post metering combination of these accounts to a single load shape for billing purposes. This option would have the characteristics of avoiding multiple service charges. The following criteria define the conditions under which campus rates would be granted:

1. Contiguous site.
2. Same legal entity buying and consuming the power at the site.
3. No sub-metering on campus to third parties.
4. Special facilities charges applied to recover additional meter/metering expense.
5. Single point of contact at the place of business both for billing and service questions.
6. All accounts served from a common rate and service voltage.
7. Use of parallel systems for shifting load between different rate offerings will be considered a violation of terms of this agreement. The District shall have the right to corrective billing on a single rate and full reimbursement of waived service charges.
8. This type of service requires interval metering on each service entrance. Customers at the secondary service level will be required to pay the service charge associated with primary service to account for additional costs to the District. A monthly service fee will be charged for the additional costs of multiple site metering.

### C. Standby Service Option

This option is for general service customers who operate, in whole or in part, customer-owned generator(s) on their premises and where 1) the output connects to the District's electrical system, and 2) the District must stand ready to provide backup or maintenance

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

service to replace the generator(s).

## Standby Service Charge (\$/kW of Contract Capacity per month)

Secondary Distribution Voltage .....	\$5.51
Primary Distribution Voltage .....	\$4.35
69 kV Voltage .....	\$2.16

“Contract Capacity” is a fixed kilowatt value determined by the rating of the generator unit. In addition to the standby service charge, the District will continue to bill for all applicable charges under this rate schedule. These charges include customer and facility charges, as well as demand and energy charges for District-provided power.

## Optional Metered Standby Service Charge

The customer may elect to base the standby charge on actual metered generator output in relation to total site load, which may result in a different standby billing than one based on contract capacity. This option requires the customer to pay for the installation and monthly maintenance of special metering equipment at both the generator and the customer’s SMUD meter.

This option uses a metered standby kW instead of contract capacity kW to determine the standby service charge. The formula is as follows:

$$\text{metered standby kW} = (\text{maximum site kW}) - (\text{SMUD billing kW}) \text{ where:}$$

“maximum site kW” is the highest coincident sum of the hourly generator output, if any, and the SMUD metered load for the billing period, and “SMUD billing kW” is the maximum hourly load recorded at the customer meter during the previous 12 months.

## D. Economic Development Rate Option

This option is applicable to full service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. For existing customers, only the additional load will qualify for the discount. Eligibility for this discount is limited to customers with Standard Industrial Classifications (SIC) 2000-3999 Manufacturing, 4800-4899 Communications, 7300-7499 Business Services and 8700-8799 Professional Services or the equivalent new NAICS codes. Qualified customers must agree to be a full service customer for five years. Qualified customers will receive a reduction of the service, demand, facilities and energy components of their bill, based on the table below.

Economic Development Discount				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

## E. Green Pricing Options

### SMUD Community Solar Option

Customers electing this premium service option will receive an additional charge for monthly energy of no less than 1/2¢ and no greater than 2¢ per kWh. Contributions will be held until sufficient funds are available for construction of a solar roof top system.

### SMUD Renewable Energy Option

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

## F. Net Energy Metering for Solar Electric, Wind Turbine, and Biomass Generation Facilities (see 1-GS-2, VI, E. Net Metering...)

## G. Implementation of Energy Efficiency Program

Customers who implement a District-sponsored Energy Efficiency program may request a reset of their 12-month historical demand upon completion of the project.

## IV. Special Metering Charge

For customers who purchase and install communications hardware and software to transfer energy load data from their meter/recorders to a personal computer, the District will charge a monthly service fee to cover maintenance, software support and the annual licensing fee.

## V. Conditions

### A. Type of Electric Service

#### Firm Service

Standard service where the District provides a continuous and sufficient supply of electricity.

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

## 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 : This is the voltage class if the definition of "primary" and "69 kV" do not apply to a customer's service.
2. Primary : This is the voltage class if a customer elects to accept service at a voltage level of 12 kV or 21 kV that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 300 kW.
3. 69 kV : This is the voltage class if a customer elects to accept service at a voltage level of 69 kV or higher that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 500 kW.

## C. Power Factor Adjustment

Accounts with demands of 20 kW or greater may be subject to a power factor adjustment. The District, at its option, may place VAR metering equipment to record reactive power conditions. Effective January 1, 1998, when a customer's monthly power factor falls below 95% leading or lagging, the following billing adjustment will apply:

$$\text{Energy} \times \$0.0086 \times \left( \frac{95\%}{\text{Power Factor}} - 1 \right)$$

*Energy* = the total monthly kWh for the account • *Power Factor* = the lesser of the customer's monthly power factor or 95%

Customers that contract with SMUD for power factor corrections will have the power factor adjustment waived for the portion that is covered under the contract.

The fee for correction per KVAR .....\$0.2274  
KVAR = maximum 12 month KVAR in excess of 33% of kW.

## D. Time-of-Use Billing Periods

Super-peak hours include the following:

SUMMER SEASON (ONLY) – JUNE 1 Through SEPTEMBER 30

Weekdays: Between 2:00 p.m. and 8:00 p.m.

On-peak hours include the following:

WINTER SEASON - OCTOBER 1 Through MAY 31

Weekdays: Between 12:00 noon and 10:00 P.M.

SUMMER SEASON - JUNE 1 Through SEPTEMBER 30

Weekdays: Between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.

Off-peak hours include the following:

ALL SEASON – JANUARY 1 Through DECEMBER 31

All day on Saturdays, Sundays and the following holidays:

Martin Luther King Jr.'s Birthday	3rd Mon. in Jan.
Presidents Day	3rd Mon. in Feb.
Memorial Day	Last Mon. in May
Labor Day	1st Mon. in Sep.
Thanksgiving Day	4th Thu. in Nov.
New Year's Day	January 1
Lincoln's Birthday	February 12
Independence Day	July 4
Columbus Day	October 12
Veterans Day	November 11
Christmas Day	December 25

and all other hours not defined as super-peak or on-peak.

## E. Billing

### PRORATION OF CHARGES

BILLING CIRCUMSTANCE	Service Charge	Facilities Charge	BASIS OF PRORATION
Less than 27 days or more than 34 days	Yes	Yes	Relationship between the length of the billing period and 30 days.
Winter/Summer crossover	Yes	Yes	Relationship between the length of the billing period and the number of days winter and summer.

Meter reading for service rendered in accordance with this rate will not be combined for billing purposes unless the convenience of the District is served thereby. (End)

**SACRAMENTO MUNICIPAL UTILITY DISTRICT**

Resolution No. **07-06-09** adopted June 21, 2007

Sheet No. **1-GS-TOU1-3**

**January 1, 2008**



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

## I. Applicability

Applicable to single or three phase service, delivered at such nominal voltage as the customer selects from among those which the District designates are available at the customer's premises. This schedule is mandatory for all commercial and industrial (C&I) customers whose monthly demand is 500 to 999 kW for three consecutive months. Customers will remain on this rate schedule until their demand falls below 500 kW for 12 consecutive months. Customers with installations of commercial thermal energy storage (CTES) have the option of using either rate schedule GS-TOU2 or GS-TOU1 and must agree to remain on the selected rate schedule for a minimum of 12 months. The demand for any month will be the maximum 15-minute kW delivery during the month. Service under this schedule is subject to meter availability.

## II. Firm Service Rate

Rate Category	Medium GUS_M Secondary	Medium GUP_M Primary	Medium GUT_M 69kV
<b>Winter Season - October 1 Through May 31</b>			
<b>Service Charge - per month per meter</b>	\$85.00	\$85.00	\$225.00
<b>Facilities Charge</b> ( <i>per 12 months max kW or installed capacity</i> )	\$2.25	\$2.00	\$1.60
<b>Energy Charge</b>			
On-Peak ¢/kWh	8.08¢	7.64¢	7.36¢
Off-Peak ¢/kWh	6.40¢	6.06¢	5.93¢
Solar Surcharge ¢/kWh	0.10¢	0.10¢	0.10¢
<b>Summer Season - June 1 Through September 30</b>			
<b>Service Charge - Per month per meter</b>	\$85.00	\$85.00	\$225.00
<b>Facilities Charge</b> ( <i>per 12 months max kW or installed capacity</i> )	\$2.25	\$2.00	\$1.60
<b>Demand Charge</b> ( <i>\$/monthly super peak max kW</i> )	\$5.50	\$5.00	\$0.00
<b>Energy Charge</b>			
Super-Peak ¢/kWh	15.33¢	14.58¢	14.17¢
On-Peak ¢/kWh	10.56¢	10.18¢	9.54¢
Off-Peak ¢/kWh	8.12¢	7.73¢	7.61¢
Solar Surcharge ¢/kWh	0.10¢	0.10¢	0.10¢

## III. Rate Option Menu

### A. Energy Assistance Program for Non-Profit Agencies

A discount of 15 percent of the service charge, facilities charge, demand charge and energy charge for medium general service customers directly served by the District, who are certified non-profit agencies as outlined in Sheet No. 1-EAPR-1. The primary function shall be to provide a home (sleeping quarters) for low-income residents, who would otherwise meet the Residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence. Given that the primary function is provided by the non-profit agencies, associated facilities that provide daytime services for the homeless (e.g., personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility square footage must be directly related to meeting these functions.

### B. Campus Rates

Campus billing is a condition whereby the customer is served from a common address or industrial campus and has several accounts or services entrances on the same contiguous campus. Campus billing provides for either hardwire or post metering combination of these accounts to a single load shape for billing purposes. This option would have the characteristics of avoiding multiple service charges. The following criteria define the conditions under which campus rates would be granted:

1. Contiguous site.
2. Same legal entity buying and consuming the power at the site.
3. No sub-metering on campus to third parties.
4. Special facilities charges applied to recover additional meter/metering expense.
5. Single point of contact at the place of business both for billing and service questions.
6. All accounts served from a common rate and service voltage.
7. Use of parallel systems for shifting load between different rate offerings will be considered a violation of terms of this agreement. The District shall have the right to corrective billing on a single rate and full reimbursement of waived service charges.
8. This type of service requires interval metering on each service entrance. Customers at the secondary service level will be required to pay the service charge associated with primary service to account for additional costs to the District. A monthly service fee will be charged for the additional costs of multiple site metering.

### C. Standby Service Option

This option is for general service customers who operate, in whole or in part, customer-owned generator(s) on their premises and where 1) the output connects to the District's electrical system, and 2) the District must stand ready to provide backup or

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

maintenance service to replace the generator(s).

Standby Service Charge (\$/kW of Contract Capacity per month)	Secondary	Primary	69kV
	\$5.51	\$4.35	\$2.16

“Contract Capacity” is a fixed kilowatt value determined by the rating of the generator unit. In addition to the standby service charge, the District will continue to bill for all applicable charges under this rate schedule. These charges include customer and facility charges, as well as demand and energy charges for District-provided power.

## Optional Metered Standby Service Charge

The customer may elect to base the standby charge on actual metered generator output in relation to total site load, which may result in a different standby billing than one based on contract capacity. This option requires the customer to pay for the installation and monthly maintenance of special metering equipment at both the generator and the customer’s SMUD meter.

This option uses a metered standby kW instead of contract capacity kW to determine the standby service charge. The formula is as follows:

metered standby kW = (maximum site kW) - (SMUD billing kW)      where:  
 “maximum site kW” is the highest coincident sum of the hourly generator output, if any, and the SMUD metered load for the billing period, and “SMUD billing kW” is the maximum hourly load recorded at the customer meter during the previous 12 months.

## D. Economic Development Rate Option

This option is applicable to full service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. For existing customers, only the additional load will qualify for the discount. Eligibility for this discount is limited to customers with Standard Industrial Classifications (SIC) 2000-3999 Manufacturing, 4800-4899 Communications, 7300-7499 Business Services and 8700-8799 Professional Services or the equivalent new NAICS codes. Qualified customers must agree to be a full service customer for five years. Qualified customers will receive a reduction of the service, demand, facilities and energy components of their bill, based on the table below.

Economic Development Discount				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

## E. Green Pricing Options

### SMUD Community Solar Option

Customers electing this premium service option will receive an additional charge for monthly energy of no less than 1¢ and no greater than 2¢ per kWh. Contributions will be held until sufficient funds are available for construction of a solar roof top system.

### SMUD Renewable Energy Option

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

## F. Net Metering for Solar Electric, Wind Turbine, and Biomass Generation Facilities

(Reference Sheet No. 1-GS-2, VI, E, Net Metering...)

## G. Implementation of Energy Efficiency Program

Customers who implement a District-sponsored Energy Efficiency program may request a reset of their 12-month historical demand upon completion of the project.

## IV. Special Metering Charge

For customers who purchase and install communications hardware and software to transfer energy load data from their meter/recorders to a personal computer, the District will charge a monthly service fee to cover maintenance, software support and the annual licensing fee.

## V. Conditions

### A. Type of Electric Service

#### Firm Service

Standard service where the District provides a continuous and sufficient supply of electricity.



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

## 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 - This is the voltage class if the definition of "primary" and "69 kV" do not apply to a customer's service.
2. Primary - This is the voltage class if a customer elects to accept service at a voltage level of 12 kV or 21 kV that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 300 kW.
3. 69 kV - This is the voltage class if a customer elects to accept service at a voltage level of 69 kV or higher that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 500 kW.

## C. Power Factor Adjustment

Accounts with demands of 20 kW or greater may be subject to a power factor adjustment. The District, at its option, may place VAR metering equipment to record reactive power conditions. Effective January 1, 1998, when a customer's monthly power factor falls below 95% leading or lagging, the following billing adjustment will apply:

$$\text{Energy} \times \$0.0086 \times \left( \frac{95\%}{\text{Power Factor}} - 1 \right)$$

Energy = the total monthly kWh for the account

Power Factor = the lesser of the customer's monthly power factor or 95%

Customers that contract with SMUD for power factor corrections will have the power factor adjustment waived for the portion that is covered under the contract.

The fee for correction per KVAR .....\$0.2274

KVAR = maximum 12 month KVAR in excess of 33% of kW.

## D. Time-of-Use Billing Periods

Super-peak hours include the following:

SUMMER SEASON (ONLY) - JUNE 1 Through SEPTEMBER 30

Weekdays: Between 2:00 pm. and 8:00 p.m.

On-peak hours include the following:

SUMMER SEASON - JUNE 1 Through SEPTEMBER 30

Weekdays: Between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.

WINTER SEASON - OCTOBER 1 Through MAY 31

Weekdays: Between 12:00 noon and 10:00 p.m.

Off-peak hours include the following:

ALL SEASON - JANUARY 1 Through DECEMBER 31

All day on Saturdays, Sundays and the following holidays:

Martin Luther King Jr.'s Birthday	3rd Mon. in Jan.
Presidents Day	3rd Mon. in Feb.
Memorial Day	Last Mon. in May
Labor Day	1st Mon. in Sep.
Thanksgiving Day	4th Thu. in Nov.
New Year's Day	January 1
Lincoln's Birthday	February 12
Independence Day	July 4
Columbus Day	October 12
Veterans Day	November 11
Christmas Day	December 25

and all other hours not defined as super-peak or peak

## E. Billing

### PRORATION OF CHARGES

BILLING CIRCUMSTANCE	Service Charge	Facilities Charge	BASIS OF PRORATION
Less than 27 days or more than 34 days	Yes	Yes	Relationship between the length of billing period and 30 days.
Winter/Summer crossover	Yes	Yes	Relationship between the length of billing period and the number of days of winter and summer.

Meter reading for service rendered in accordance with this rate will not be combined for billing purposes unless the convenience of the District is served thereby. (End)

# Time-Of-Use Commercial Rate Schedule GS-TOU3

## I. Applicability

Applicable to single or three phase service, delivered at such nominal voltage as the customer selects from among those which the District designates are available at the customer's premises. This schedule is mandatory for all commercial and industrial (C&I) customers whose monthly demand is 300-499 kW for three consecutive months and for all customers previously served at the primary level on Rate Schedule GS. Customers taking service at the secondary level will remain on this rate schedule until their demand falls below 300 kW for 12 consecutive months. This schedule is optional for customers currently billed on Rate Schedule GS and taking service at the secondary level with historical billing demand less than 300 kW.

## II. Firm Service Rate

Rate Category	Small GUS_S Secondary	Small GUP_S Primary
<b>Winter Season - October 1 Through May 31</b>		
Service Charge - per month per meter	\$85.00	\$85.00
Facilities Charge (per 12 months max kW or installed capacity)	\$3.00	\$2.70
<b>Energy Charge</b>		
On-peak ¢/kWh	8.19¢	7.74¢
Off-peak ¢/kWh	6.50¢	6.15¢
Solar Surcharge ¢/kWh	0.10¢	0.10¢
<b>Summer Season - June 1 Through September 30</b>		
Service Charge - per month per meter	\$85.00	\$85.00
Facilities Charge (per 12 months max kW or installed capacity)	\$3.00	\$2.70
Demand Charge (\$/monthly super peak max kW)	\$6.00	\$5.50
<b>Energy Charge</b>		
Super-peak ¢/kWh	15.77¢	15.01¢
On-peak ¢/kWh	10.78¢	10.39¢
Off-peak ¢/kWh	8.57¢	8.16¢
Solar Surcharge ¢/kWh	0.10¢	0.10¢

## III. Rate Option Menu

### A. Energy Assistance Program for Non-Profit Agencies

A discount of 15 percent of the service charge, facilities charge, demand charge and energy charge for general service customers directly served by the District, who are certified non-profit agencies as outlined in Sheet No. 1-EAPR-1. The primary function shall be to provide a home (sleeping quarters) for low-income residents, who would otherwise meet the residential Energy Assistance Program Rate guidelines defining low-income if permanently residing in a residence. Given that the primary function is provided by the non-profit agencies, associated facilities that provide daytime services for the homeless (e.g., personal hygiene facilities, laundry facilities, kitchen and/or dining facilities, etc.) may also qualify for the discount. At least 75 percent of the facility square footage must be directly related to meeting these functions..

### B. Campus Rates

**Campus billing** is a condition whereby the customer is served from a common address or industrial campus and has several accounts or services entrances on the same contiguous campus. Campus billing provides for either hardwire or post metering combination of these accounts to a single load shape for billing purposes. This option would have the characteristics of avoiding multiple service charges. The following criteria define the conditions under which campus rates would be granted:

1. Contiguous site.
2. Same legal entity buying and consuming the power at the site.
3. No sub-metering on campus to third parties.
4. Special facilities charges applied to recover additional meter/metering expense.
5. Single point of contact at the place of business both for billing and service questions.
6. All accounts served from a common rate and service voltage.
7. Use of parallel systems for shifting load between different rate offerings will be considered a violation of terms of this agreement. The District shall have the right to corrective billing on a single rate and full reimbursement of waived service charges.
8. This type of service requires interval metering on each service entrance. Customers at the secondary service level will be required to pay the service charge associated with primary service to account for additional costs to the District. A monthly service fee will be charged for the additional costs of multiple site metering.

### C. Standby Service Option

This option is for general service customers who operate, in whole or in part, customer-owned generator(s) on their premises and where 1) the output connects to the District's electrical system, and 2) the District must stand ready to provide backup or maintenance service to replace the generator(s).

# Time-Of-Use Commercial Rate Schedule GS-TOU3

## Standby Service Charge (\$/kW of Contract Capacity per month)

Secondary Distribution Voltage .....	\$5.51
Primary Distribution Voltage .....	\$4.35
69 kV Voltage .....	\$2.16

“Contract Capacity” is a fixed kilowatt value determined by the rating of the generator unit. In addition to the standby service charge, the District will continue to bill for all applicable charges under this rate schedule. These charges include service and facility charges, as well as demand and energy charges for District-provided power.

## Optional Metered Standby Service Charge

The customer may elect to base the standby charge on actual metered generator output in relation to total site load, which may result in a different standby billing than one based on contract capacity. This option requires the customer to pay for the installation and monthly maintenance of special metering equipment at both the generator and the customer’s SMUD meter.

This option uses a metered standby kW instead of contract capacity kW to determine the standby service charge. The formula is as follows:

$$\text{metered standby kW} = (\text{maximum site kW}) - (\text{SMUD billing kW}) \quad \text{where:}$$

“maximum site kW” is the highest coincident sum of the hourly generator output, if any, and the SMUD metered load for the billing period, and “SMUD billing kW” is the maximum hourly load recorded at the customer meter during the previous 12 months.

## D. Economic Development Rate Option

This option is applicable to full service customers with load in excess of 299 kW who create a minimum of 50 new jobs and add load at a new or expanded site. For existing customers, only the additional load will qualify for the discount. Eligibility for this discount is limited to customers with Standard Industrial Classifications (SIC) 2000-3999 Manufacturing, 4800-4899 Communications, 7300-7499 Business Services and 8700-8799 Professional Services or the equivalent new NAICS codes. Qualified customers must agree to be a full service customer for five years. Qualified customers will receive a reduction of the service, demand, facilities and energy components of their bill, based on the table below.

Economic Development Discount				
Year 1	Year 2	Year 3	Year 4	Year 5
5%	3%	1%	0%	0%

## E. Green Pricing Options

### SMUD Community Solar Option

Customers electing this premium service option will receive an additional charge for monthly energy of no less than 1/2¢ and no greater than 2¢ per kWh. Contributions will be held until sufficient funds are available for construction of a solar roof top system.

### SMUD Renewable Energy Option

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

## F. Net Metering for Solar Electric, Wind Turbine, and Biomass Generation Facilities

(Reference Sheet No. 1-GS-2, VI, E, Net Metering...)

## G. Implementation of Energy Efficiency Program

Customers who implement a District-sponsored Energy Efficiency program may request a reset of their 12-month historical demand upon completion of the project.

## IV. Special Metering Charge

For customers who purchase and install communications hardware and software to transfer energy load data from their meter/recorder to a personal computer, the District will charge a monthly service fee to cover maintenance, software support and the annual licensing fee.

## V. Conditions

### A. Type of Electric Service

#### Firm Service

Standard service where the District provides 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

# Time-Of-Use Commercial Rate Schedule GS-TOU3

taken according to the following:

1. Secondary: This is the voltage class if the definition of "primary" and "69 kV" do not apply to a customer's service.
2. Primary : This is the voltage class if a customer elects to accept service at a voltage level of 12 kV or 21 kV that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 300 kW.
3. 69 kV : This is the voltage class if a customer elects to accept service at a voltage level of 69 kV or higher that is available in the area and the District approves such arrangements for a customer whose monthly demand exceeds 500 kW.

## C. Power Factor Adjustment

Accounts with demands of 20 kW or greater may be subject to a power factor adjustment. The District, at its option, may place VAR metering equipment to record reactive power conditions. Effective January 1, 1998, when a customer's monthly power factor falls below 95% leading or lagging, the following billing adjustment will apply:

$$\text{Energy} \times \$0.0086 \times \left( \frac{95\%}{\text{Power Factor}} - 1 \right)$$

*Energy* = the total monthly kWh for the account

*Power Factor* = the lesser of the customer's monthly power factor or 95%

Customers that contract with SMUD for power factor corrections will have the power factor adjustment waived for the portion that is covered under the contract.

The fee for correction per KVAR .....\$0.2274

KVAR = maximum 12 month KVAR in excess of 33% of kW.

## D. Time-of-Use Billing Periods

Super-peak hours include the following:

SUMMER SEASON (ONLY) – JUNE 1 Through SEPTEMBER 30

Weekdays: Between 2:00 p.m. and 8:00 p.m.

On-peak hours include the following:

WINTER SEASON - OCTOBER 1 Through MAY 31

Weekdays: Between 12:00 noon and 10:00 P.M.

SUMMER SEASON - JUNE 1 Through SEPTEMBER 30

Weekdays: Between 12:00 noon and 2:00 p.m. and between 8:00 p.m. and 10:00 p.m.

Off-peak hours include the following:

ALL SEASON – JANUARY 1 Through DECEMBER 31

All day on Saturdays, Sundays and the following holidays:

Martin Luther King Jr.'s Birthday	3rd Mon. in Jan.
Presidents Day	3rd Mon. in Feb.
Memorial Day	Last Mon. in May
Labor Day	1st Mon. in Sep.
Thanksgiving Day	4th Thu. in Nov.
New Year's Day	January 1
Lincoln's Birthday	February 12
Independence Day	July 4
Columbus Day	October 12
Veterans Day	November 11
Christmas Day	December 25

and all other hours not defined as super-peak or on-peak

## E. Billing

### PRORATION OF CHARGES

BILLING CIRCUMSTANCE	Service Charge	Demand/Facilities Charge	BASIS OF PRORATION
Less than 27 days or more than 34 days	Yes	Yes	Relationship between the length of the billing period and 30 days.
Winter/Summer season overlap	Yes	Yes	Relationship between the length of the billing period and the number of days winter & summer.

Meter reading for service rendered in accordance with this rate will not be combined for billing purposes unless the convenience of the District is served thereby.

(End)