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

Rates and Services

June 15, 2023 | Volume 2

Powering forward. Together.

SMUD®

Rates, Rules and Regulations Effective in 2023

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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.

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

l. 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.

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
ASN					
Winter Season (November - April)					
System Infrastructure Fixed Charge *per month per meter*	$12.85	$13.20	$13.55	$13.95	$14.30
Electricity Usage Charge					
All day *$/kWh*	$0.1428	$0.1467	$0.1508	$0.1549	$0.1592
Summer Season (May - October)					
System Infrastructure Fixed Charge *per month per meter*	$12.85	$13.20	$13.55	$13.95	$14.30
Electricity Usage Charge					
All day *$/kWh*	$0.1564	$0.1607	$0.1651	$0.1696	$0.1743

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.

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
ASD					
Winter Season (November - April)					
System Infrastructure Fixed Charge *per month per meter*	$29.80	$30.60	$31.45	$32.30	$33.20
Site Infrastructure Charge *per 12 months max kW or contract capacity*					
First 30kW	No Charge	No Charge	No Charge	No Charge	No Charge
Additional kW per month	$2.951	$3.032	$3.116	$3.201	$3.289
Electricity Usage Charge					
Base Usage *8,750 kWh per month*	$0.1580	$0.1623	$0.1667	$0.1714	$0.1761
Base Usage Plus *kWh over 8,750 per month*	$0.1240	$0.1275	$0.1310	$0.1346	$0.1382
Summer Season (May - October)					
System Infrastructure Fixed Charge *per month per meter*	$29.80	$30.60	$31.45	$32.30	$33.20
Site Infrastructure Charge *per 12 months max kW or contract capacity*					
First 30kW	No Charge	No Charge	No Charge	No Charge	No Charge
Additional kW per month	$2.951	$3.032	$3.116	$3.201	$3.289
Electricity Usage Charge					
Base Usage *8,750 kWh per month*	$0.1514	$0.1556	$0.1599	$0.1643	$0.1688
Base Usage Plus *kWh over 8,750 per month*	$0.1095	$0.1125	$0.1156	$0.1188	$0.1221

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.

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
AON					
Winter Season (November - April)					
System Infrastructure Fixed Charge *per month per meter*	$17.25	$17.75	$18.25	$18.75	$19.25
Electricity Usage Charge					
On-peak *$/kWh*	$0.1641	$0.1686	$0.1732	$0.1780	$0.1829
Off-peak *$/kWh*	$0.1399	$0.1437	$0.1477	$0.1518	$0.1560
Summer Season (May - October)					
System Infrastructure Fixed Charge *per month per meter*	$17.25	$17.75	$18.25	$18.75	$19.25
Electricity Usage Charge					
On-peak *$/kWh*	$0.2379	$0.2444	$0.2512	$0.2581	$0.2652
Off-peak *$/kWh*	$0.1279	$0.1314	$0.1350	$0.1387	$0.1425

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.

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
AOD					
Winter Season (November - April)					
System Infrastructure Fixed Charge *per month per meter*	$103.80	$106.65	$109.60	$112.60	$115.70
Maximum Demand Charge *$ per monthly max kW*	$2.940	$3.021	$3.104	$3.189	$3.277
Electricity Usage Charge					
On-peak *$/kWh*	$0.1634	$0.1679	$0.1725	$0.1773	$0.1821
Off-peak *$/kWh*	$0.1388	$0.1426	$0.1465	$0.1506	$0.1547
Summer Season (May - October)					
System Infrastructure Fixed Charge *per month per meter*	$103.80	$106.65	$109.60	$112.60	$115.70
Maximum Demand Charge *$ per monthly max kW*	$4.110	$4.223	$4.339	$4.458	$4.581
Electricity Usage Charge					
On-peak *$/kWh*	$0.2528	$0.2598	$0.2669	$0.2742	$0.2818
Off-peak *$/kWh*	$0.1348	$0.1385	$0.1423	$0.1462	$0.1502

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. Standby Service Option

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 connected to SMUD's electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Standby Service Charge by Voltage Level ($/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2023	$7.713	$6.129	$3.096
Effective January 1, 2024	$7.925	$6.298	$3.181
Effective May 1, 2024	$8.143	$6.471	$3.269
Effective January 1, 2025	$8.367	$6.649	$3.359
Effective May 1, 2025	$8.597	$6.832	$3.451

In addition to the 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 Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as a microgrid service, where SMUD provides only backup electricity.

B. Customer Energy Generation Options. Refer to Rate Schedules NEM1 and SSR.

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.

D. Special Metering Charge

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

V. Conditions of Service

A. Type of Electric Service

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

B. Distribution 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 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:

Electricity Usage x [(95% ÷ Power Factor) - 1] x 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

Effective January 1, 2023	$0.0127
Effective January 1, 2024	$0.0130
Effective May 1, 2024	$0.0134
Effective January 1, 2025	$0.0138
Effective May 1, 2025	$0.0142

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

Effective January 1, 2023	$0.3372
Effective January 1, 2024	$0.3465
Effective May 1, 2024	$0.3560
Effective January 1, 2025	$0.3658
Effective May 1, 2025	$0.3759

D. Time-of-Day Billing Periods

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

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

Off-peak pricing shall apply during the following holidays:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/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 Electricity Usage allowances, System Infrastructure Fixed Charge, Maximum Demand 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)

Commercial & Industrial Campus Billing
Rate Schedule CB

I. Applicability

This Rate Schedule CB is optional for Commercial & Industrial 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 CI-TOD2, CI-TOD3, or CI-TOD4.

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

C. Rate Changes

Campus billing prices will be subject to any applicable changes to the Commercial & Industrial Time-of-Day rates and the Campus Meter Charges.

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.

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. Subtransmission – 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 CI-TOD1 accounts.

AG and CI-TOD1 can be included in a campus account, however, a campus account cannot consist of solely accounts on Agricultural service or solely on CI-TOD1 or a combination of Agricultural and CI-TOD1 cannot combine into a campus account.

H. The campus account maintains or exceeds CI-TOD2 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 rate schedule CI-TOD2, CI-TOD3 or CI-TOD4 as defined in the applicable rate schedules 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 considered legacy accounts under the prior rate option with regard to subsection K, and subsection L. If a legacy 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 a SMUD Representative. The SMUD Representative will verify the customer's accounts meet the requirements and the eligibility for campus billing. If the SMUD Representative determines the accounts are eligible the SMUD Representative 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 SMUD Representative will submit the request to Billing. Campus billing will start on the bill after all accounts have been approved and prepared for campus billing.

VI. Billing

A. Service Rendered

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

B. Proration of Charges

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

Billing Circumstance	Basis for Proration
Bill period is less than 27 days	Relationship between the length of the billing period and 30 days.
Bill 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 CI-TOD2 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 of the date they were created.

The customer can elect to revert back to individual accounts at any time by contacting a SMUD Representative. 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. 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

III. Charges

A. Reserved Capacity Charge

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

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

Reserved Capacity Rate *per kW*	**Secondary**	**Primary**	**Subtransmission**
Effective January 1, 2023	$7.423	$7.423	$7.133
Effective January 1, 2024	$7.627	$7.627	$7.329
Effective May 1, 2024	$7.837	$7.837	$7.531
Effective January 1, 2025	$8.052	$8.052	$7.738
Effective May 1, 2025	$8.274	$8.274	$7.951

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.

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)

Commercial & Industrial Time-of-Day
Rate Schedule CI-TOD1

I. Applicability

This Rate Schedule CI-TOD1 applies to single- or three-phase service delivered at standard voltages designated by SMUD as available at the customer's premises. This schedule includes the standard rates for all commercial and industrial (C&I) accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. Commercial & Industrial Time-of-Day customers include commercial and nonagricultural irrigation pumping accounts. This schedule also applies to Commercial & Industrial Time-of-Day 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. C&I Secondary 0-20 kW (rate category CITS-0)

These rates apply to Commercial & Industrial Time-of-Day 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 rate. To return to the CITS-0 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 (rate category GFN)

This rate applies to Commercial & Industrial 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. C&I Secondary 21-299 kW (rate category CITS-1)

These rates apply to Commercial & Industrial Time-of-Day 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 rate unless the monthly usage is less than 7,300 kWh 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

A. Commercial & Industrial Time-of-Day Rates

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
CITS-0: C&I Secondary 0-20 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$35.15	$36.65	$37.65	$39.20	$40.30
Maximum Demand Charge *$ per monthly max kW*	$0.000	$0.713	$0.733	$1.505	$1.546
Electricity Usage Charge					
Peak *$/kWh*	$0.1440	$0.1446	$0.1485	$0.1491	$0.1532
Off-Peak *$/kWh*	$0.1364	$0.1335	$0.1371	$0.1341	$0.1377
Off-Peak Saver *$/kWh*	$0.1323	$0.1276	$0.1311	$0.1261	$0.1295
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$35.15	$36.65	$37.65	$39.20	$40.30
Maximum Demand Charge *$ per monthly max kW*	$0.000	$0.713	$0.733	$1.505	$1.546
Electricity Usage Charge					
Peak *$/kWh*	$0.2554	$0.2718	$0.2792	$0.2968	$0.3049
Off-Peak *$/kWh*	$0.1349	$0.1359	$0.1396	$0.1410	$0.1448
CITS-1: C&I Secondary 21-299 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$158.30	$231.60	$237.95	$317.30	$326.05
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$7.568	$7.106	$7.302	$6.806	$6.993
Electricity Usage Charge					
Peak *$/kWh*	$0.1230	$0.1283	$0.1319	$0.1374	$0.1412
Off-Peak *$/kWh*	$0.1158	$0.1170	$0.1202	$0.1214	$0.1248
Off-Peak Saver *$/kWh*	$0.1030	$0.0971	$0.0998	$0.0932	$0.0958
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$158.30	$231.60	$237.95	$317.30	$326.05
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$7.568	$7.106	$7.302	$6.806	$6.993
Summer Peak Demand Charge *$ per monthly Peak max kW*	$3.468	$5.351	$5.498	$7.525	$7.732
Electricity Usage Charge					
Peak *$/kWh*	$0.1983	$0.2056	$0.2113	$0.2192	$0.2252
Off-Peak *$/kWh*	$0.1119	$0.1129	$0.1160	$0.1171	$0.1203

Commercial rates beyond 2025 are effective as shown in Section VIII. Transition Schedule.

B. GFN Rates

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
GFN					
All Year					
System Infrastructure Fixed Charge *per month per meter*	$10.50	$10.80	$11.10	$11.40	$11.70
Electricity Usage Charge					
All day *$/kWh*	$0.1539	$0.1581	$0.1624	$0.1669	$0.1715

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 Rate 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 or Storage Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic or storage 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 twelve month maximum demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted twelve month maximum demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Standby Service Option

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 connected to SMUD's electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and/or to supply electricity during generator(s) maintenance service.

Standby Service Charge by Voltage Level ($/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2023	$7.713	$6.129	$3.096
Effective January 1, 2024	$7.925	$6.298	$3.181
Effective May 1, 2024	$8.143	$6.471	$3.269
Effective January 1, 2025	$8.367	$6.649	$3.359
Effective May 1, 2025	$8.597	$6.832	$3.451

In addition to the 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, Maximum Demand Charge, Summer Peak Demand Charges and electricity usage charges for SMUD-provided power.

The Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as a microgrid service, where SMUD provides only backup electricity.

E. Customer Energy Generation Options. Refer to Rate Schedules NEM1 and SSR.

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.

G. Special Metering Charge

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

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

V. Conditions of Service

A. Type of Electric Service

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

B. Distribution 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:

Electricity Usage x [(95% ÷ Power Factor) - 1] x 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

Effective January 1, 2023	$0.0127
Effective January 1, 2024	$0.0130
Effective May 1, 2024	$0.0134
Effective January 1, 2025	$0.0138
Effective May 1, 2025	$0.0142

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

Effective January 1, 2023	$0.3372
Effective January 1, 2024	$0.3465
Effective May 1, 2024	$0.3560
Effective January 1, 2025	$0.3658
Effective May 1, 2025	$0.3759

VI. Billing Periods

A. Time-of-Day Billing Periods

1. Time-of-Day Billing Periods

Non-Summer October 1 -May 31	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
Summer June 1 -September 30	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

The holidays recognized for the Time-of-Day Billing Periods are as follows:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VII. 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, Maximum Demand 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)

VIII. Transition Schedule

Season and Charge Component**	Unit	2026*	2027*	2028*
CITS-0: C&I Secondary 0-20 kW				
System Infrastructure Fixed Charge	per month	$40.80	$41.35	$41.90
Maximum Demand Charge	per kW	$2.320	$3.093	$3.866
Non-Summer Peak	per kWh	$0.1495	$0.1457	$0.1420
Non-Summer Off-Peak	per kWh	$0.1307	$0.1237	$0.1166
Non-Summer Off-Peak Saver	per kWh	$0.1208	$0.1118	$0.1029
Summer Peak	per kWh	$0.3151	$0.3251	$0.3354
Summer Off-Peak	per kWh	$0.1423	$0.1397	$0.1370
CITS-1: C&I Secondary 21-299 kW				
System Infrastructure Fixed Charge	per month	$400.85	$474.00	$474.00
Site Infrastructure Charge	per kW	$6.266	$5.539	$5.539
Summer Peak Demand Charge	per kW	$9.670	$11.609	$11.609
Non-Summer Peak	per kWh	$0.1435	$0.1456	$0.1456
Non-Summer Off-Peak	per kWh	$0.1227	$0.1206	$0.1206
Non-Summer Off-Peak Saver	per kWh	$0.0862	$0.0770	$0.0770
Summer Peak	per kWh	$0.2273	$0.2293	$0.2293
Summer Off-Peak	per kWh	$0.1179	$0.1157	$0.1157

*Subject to future rate increases.

**Time-of-Day periods apply as described in Section VII.

Commercial & Industrial Time-of-Day
Rate Schedule CI-TOD2

I. Applicability

This Rate Schedule CI-TOD2 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premises. This schedule includes the standard rates 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. Accounts served at the secondary service voltage level will remain on the CI-TOD2 rate schedule unless monthly maximum demand falls below 300 kW for 12 consecutive months or exceeds 499 kW for three consecutive months. Accounts served at the primary service voltage level will remain on the CI-TOD2 rate schedule unless monthly maximum demand exceeds 499 kW for three consecutive months. This schedule also includes the standard rates 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

A. Commercial & Industrial Time-of-Day Rates

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
CITS-2: C&I Secondary 300-499 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$428.35	$667.50	$685.85	$954.30	$980.55
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.597	$4.797	$4.929	$5.144	$5.286
Electricity Usage Charge					
Peak *$/kWh*	$0.1236	$0.1286	$0.1321	$0.1373	$0.1410
Off-Peak *$/kWh*	$0.1000	$0.1043	$0.1072	$0.1117	$0.1148
Off-Peak Saver *$/kWh*	$0.0990	$0.0959	$0.0985	$0.0947	$0.0973
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$428.35	$667.50	$685.85	$954.30	$980.55
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.597	$4.797	$4.929	$5.144	$5.286
Summer Peak Demand Charge *$ per monthly Peak max kW*	$9.877	$10.254	$10.536	$10.950	$11.251
Electricity Usage Charge					
Peak *$/kWh*	$0.2195	$0.2246	$0.2308	$0.2362	$0.2427
Off-Peak *$/kWh*	$0.1333	$0.1312	$0.1348	$0.1322	$0.1359
CITP-2: C&I Primary 300-499 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$204.95	$256.80	$263.90	$322.50	$331.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.551	$3.436	$3.530	$3.392	$3.485
Electricity Usage Charge					
Peak *$/kWh*	$0.1249	$0.1370	$0.1407	$0.1556	$0.1598
Off-Peak *$/kWh*	$0.1033	$0.1156	$0.1188	$0.1340	$0.1377
Off-Peak Saver *$/kWh*	$0.0939	$0.0893	$0.0917	$0.0850	$0.0873
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$204.95	$256.80	$263.90	$322.50	$331.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.551	$3.436	$3.530	$3.392	$3.485
Summer Peak Demand Charge *$ per monthly Peak max kW*	$9.401	$10.074	$10.351	$11.084	$11.389
Electricity Usage Charge					
Peak *$/kWh*	$0.2016	$0.1971	$0.2025	$0.1958	$0.2012
Off-Peak *$/kWh*	$0.1277	$0.1233	$0.1267	$0.1207	$0.1240

Commercial rates beyond 2025 are effective as shown in Section VIII. Transition Schedule.

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 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 or Storage Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic or storage 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 twelve month maximum demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted twelve month maximum demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Standby Service Option

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 connected to SMUD's electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Standby Service Charge by Voltage Level ($/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2023	$7.713	$6.129	$3.096
Effective January 1, 2024	$7.925	$6.298	$3.181
Effective May 1, 2024	$8.143	$6.471	$3.269
Effective January 1, 2025	$8.367	$6.649	$3.359
Effective May 1, 2025	$8.597	$6.832	$3.451

In addition to the 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 Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as amicrogrid service, where SMUD provides only backup electricity.

E. Customer Energy Generation Options. Refer to Rate Schedules NEM1 and SSR.

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.

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

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. Distribution 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:

Electricity Usage x [(95% ÷ Power Factor) - 1] x 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

Effective January 1, 2023	$0.0127
Effective January 1, 2024	$0.0130
Effective May 1, 2024	$0.0134
Effective January 1, 2025	$0.0138
Effective May 1, 2025	$0.0142

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:

Excess KVAR x Waiver Rate

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

Waiver Rate per excess KVAR

Effective January 1, 2023	$0.3372
Effective January 1, 2024	$0.3465
Effective May 1, 2024	$0.3560
Effective January 1, 2025	$0.3658
Effective May 1, 2025	$0.3759

VI. Commercial & Industrial Time-of-Day Billing Periods

A. Time-of-Day Billing Periods

Non-Summer **October 1 -May 31**	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
Summer **June 1 -September 30**	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

The holidays recognized for the Time-of-Day Billing Periods are as follows:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VII. 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 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)

VIII. Transition Schedule

Season and Charge Component**	Unit	2026*	2027*	2028*
CITS-2: C&I Secondary 300-499 kW				
System Infrastructure Fixed Charge	per month	$1,244.60	$1,508.75	$1,770.90
Site Infrastructure Charge	per kW	$5.377	$5.458	$5.539
Summer Peak Demand Charge	per kW	$11.367	$11.482	$11.609
Non-Summer Peak	per kWh	$0.1428	$0.1443	$0.1461
Non-Summer Off-Peak	per kWh	$0.1164	$0.1180	$0.1197
Non-Summer Off-Peak Saver	per kWh	$0.0905	$0.0838	$0.0770
Summer Peak	per kWh	$0.2416	$0.2405	$0.2394
Summer Off-Peak	per kWh	$0.1293	$0.1227	$0.1163
CITP-2: C&I Primary 300-499 kW				
System Infrastructure Fixed Charge	per month	$331.40	$331.40	$331.40
Site Infrastructure Charge	per kW	$3.485	$3.485	$3.485
Summer Peak Demand Charge	per kW	$11.389	$11.389	$11.389
Non-Summer Peak	per kWh	$0.1598	$0.1598	$0.1598
Non-Summer Off-Peak	per kWh	$0.1377	$0.1377	$0.1377
Non-Summer Off-Peak Saver	per kWh	$0.0873	$0.0873	$0.0873
Summer Peak	per kWh	$0.2012	$0.2012	$0.2012
Summer Off-Peak	per kWh	$0.1240	$0.1240	$0.1240

*Subject to future rate increases.

**Time-of-Day periods apply as described in Section VI.

Commercial & Industrial Time-of-Day
Rate Schedule CI-TOD3

I. Applicability

This Rate Schedule CI-TOD3 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premises. This schedule includes the standard rates 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 also includes the standard rates 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

A. Commercial Industrial Time-of-Day Rates

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
CITS-3: C&I Secondary 500-999 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$781.65	$1,479.90	$1,520.60	$2,276.85	$2,339.50
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.152	$4.692	$4.821	$5.391	$5.539
Electricity Usage Charge					
Peak *$/kWh*	$0.1225	$0.1275	$0.1310	$0.1367	$0.1405
Off-Peak *$/kWh*	$0.0992	$0.1045	$0.1074	$0.1129	$0.1160
Off-Peak Saver *$/kWh*	$0.0906	$0.0811	$0.0832	$0.0730	$0.0750
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$781.65	$1,479.90	$1,520.60	$2,276.85	$2,339.50
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.152	$4.692	$4.821	$5.391	$5.539
Summer Peak Demand Charge *$ per monthly Peak max kW*	$9.732	$10.350	$10.635	$11.298	$11.609
Electricity Usage Charge					
Peak *$/kWh*	$0.2111	$0.2141	$0.2200	$0.2232	$0.2294
Off-Peak *$/kWh*	$0.1212	$0.1138	$0.1170	$0.1088	$0.1118
CITP-3: C&I Primary 500-999 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$297.30	$305.50	$313.90	$322.50	$331.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.127	$3.213	$3.301	$3.392	$3.485
Electricity Usage Charge					
Peak *$/kWh*	$0.1314	$0.1350	$0.1387	$0.1425	$0.1465
Off-Peak *$/kWh*	$0.1141	$0.1172	$0.1205	$0.1238	$0.1272
Off-Peak Saver *$/kWh*	$0.0727	$0.0747	$0.0768	$0.0789	$0.0811
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$297.30	$305.50	$313.90	$322.50	$331.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.127	$3.213	$3.301	$3.392	$3.485
Summer Peak Demand Charge *$ per monthly Peak max kW*	$10.218	$10.499	$10.788	$11.084	$11.389
Electricity Usage Charge					
Peak *$/kWh*	$0.2131	$0.2190	$0.2250	$0.2312	$0.2375
Off-Peak *$/kWh*	$0.1084	$0.1114	$0.1144	$0.1176	$0.1208
CITT-3: C&I Subtransmission 500-999 kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$1,237.65	$1,271.70	$1,306.65	$1,342.60	$1,379.50
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.427	$3.521	$3.618	$3.718	$3.820
Electricity Usage Charge					
Peak *$/kWh*	$0.1138	$0.1169	$0.1201	$0.1234	$0.1268
Off-Peak *$/kWh*	$0.0950	$0.0976	$0.1003	$0.1031	$0.1059
Off-Peak Saver *$/kWh*	$0.0618	$0.0635	$0.0652	$0.0670	$0.0689
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$1,237.65	$1,271.70	$1,306.65	$1,342.60	$1,379.50
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.427	$3.521	$3.618	$3.718	$3.820
Summer Peak Demand Charge *$ per monthly Peak max kW*	$9.960	$10.234	$10.515	$10.805	$11.102
Electricity Usage Charge					
Peak *$/kWh*	$0.1913	$0.1966	$0.2020	$0.2075	$0.2132
Off-Peak *$/kWh*	$0.0922	$0.0946	$0.0972	$0.0999	$0.1027

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 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 or Storage Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic or storage 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 twelve month maximum demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted twelve month maximum demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Standby Service Option

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 connected to SMUD's electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Standby Service Charge by Voltage Level ($/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2023	$7.713	$6.129	$3.096
Effective January 1, 2024	$7.925	$6.298	$3.181
Effective May 1, 2024	$8.143	$6.471	$3.269
Effective January 1, 2025	$8.367	$6.649	$3.359
Effective May 1, 2025	$8.597	$6.832	$3.451

In addition to the 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 Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as a microgrid service, where SMUD provides only backup electricity.

E. Customer Energy Generation Options. Refer to Rate Schedules NEM1 and SSR.

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.

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.

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. Distribution 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:

Electricity Usage x [(95% ÷ Power Factor) - 1] x 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

Effective January 1, 2023	$0.0127
Effective January 1, 2024	$0.0130
Effective May 1, 2024	$0.0134
Effective January 1, 2025	$0.0138
Effective May 1, 2025	$0.0142

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:

Excess KVAR x Waiver Rate

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

Waiver Rate per excess KVAR

Effective January 1, 2023	$0.3372
Effective January 1, 2024	$0.3465
Effective May 1, 2024	$0.3560
Effective January 1, 2025	$0.3658
Effective May 1, 2025	$0.3759

VI. Commercial Industrial Time-of-Day Billing Periods

A. Time-of-Day Billing Periods

Non-Summer October 1 -May 31	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
Summer June 1 -September 30	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

The holidays recognized for the Time-of-Day Billing Periods are as follows:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VII. 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 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)

Commercial & Industrial Time-of-Day
Rate Schedule CI-TOD4

I. Applicability

This Rate Schedule CI-TOD4 applies to single- or three-phase service, delivered at standard voltages designated by SMUD as available at the customer's premises. This schedule includes the standard rates 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 also includes the standard rates 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

A. Commercial Industrial Time-of-Day Rates

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
CITS-4: C&I Secondary 1000+ kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$2,319.35	$3,592.75	$3,691.55	$3,793.10	$3,897.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.876	$5.106	$5.246	$5.390	$5.539
Electricity Usage Charge					
Peak *$/kWh*	$0.1284	$0.1330	$0.1367	$0.1404	$0.1442
Off-Peak *$/kWh*	$0.1048	$0.1094	$0.1124	$0.1154	$0.1186
Off-Peak Saver *$/kWh*	$0.0833	$0.0705	$0.0724	$0.0744	$0.0765
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$2,319.35	$3,592.75	$3,691.55	$3,793.10	$3,897.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.876	$5.106	$5.246	$5.390	$5.539
Summer Peak Demand Charge *$ per monthly Peak max kW*	$6.937	$10.701	$10.996	$11.298	$11.609
Electricity Usage Charge					
Peak *$/kWh*	$0.2048	$0.2182	$0.2242	$0.2304	$0.2367
Off-Peak *$/kWh*	$0.1143	$0.1061	$0.1090	$0.1121	$0.1151
CITP-4: C&I Primary 1000+ kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$297.30	$305.50	$313.90	$322.50	$331.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.400	$4.521	$4.645	$4.773	$4.904
Electricity Usage Charge					
Peak *$/kWh*	$0.1295	$0.1331	$0.1367	$0.1405	$0.1444
Off-Peak *$/kWh*	$0.1051	$0.1080	$0.1110	$0.1140	$0.1172
Off-Peak Saver *$/kWh*	$0.0679	$0.0697	$0.0716	$0.0737	$0.0757
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$297.30	$305.50	$313.90	$322.50	$331.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$4.400	$4.521	$4.645	$4.773	$4.904
Summer Peak Demand Charge *$ per monthly Peak max kW*	$10.218	$10.499	$10.788	$11.084	$11.389
Electricity Usage Charge					
Peak *$/kWh*	$0.1997	$0.2052	$0.2108	$0.2166	$0.2226
Off-Peak *$/kWh*	$0.1014	$0.1042	$0.1071	$0.1100	$0.1130
CITT-4: C&I Subtransmission 1000+ kW					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$1,178.85	$1,271.70	$1,306.65	$1,342.60	$1,379.50
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.479	$3.521	$3.618	$3.718	$3.820
Electricity Usage Charge					
Peak *$/kWh*	$0.1228	$0.1295	$0.1330	$0.1367	$0.1404
Off-Peak *$/kWh*	$0.0998	$0.1058	$0.1087	$0.1117	$0.1148
Off-Peak Saver *$/kWh*	$0.0774	$0.0684	$0.0703	$0.0722	$0.0742
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$1,178.85	$1,271.70	$1,306.65	$1,342.60	$1,379.50
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$3.479	$3.521	$3.618	$3.718	$3.820
Summer Peak Demand Charge *$ per monthly Peak max kW*	$6.636	$10.234	$10.515	$10.805	$11.102
Electricity Usage Charge					
Peak *$/kWh*	$0.1699	$0.1824	$0.1874	$0.1926	$0.1978
Off-Peak *$/kWh*	$0.1050	$0.1014	$0.1042	$0.1071	$0.1100

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 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 or Storage Systems

Customers who implement a SMUD-sponsored Energy Efficiency program or who install a SMUD-approved solar/photovoltaic or storage 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 twelve month maximum demand based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The adjusted twelve month maximum demand is valid for 12 months or until it is exceeded by actual maximum demand.

D. Standby Service Option

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 connected to SMUD's electrical system; and
3. SMUD is required to have resources available to provide supplemental service, backup electricity and, or to supply electricity during generator(s) maintenance service.

Standby Service Charge by Voltage Level ($/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2023	$7.713	$6.129	$3.096
Effective January 1, 2024	$7.925	$6.298	$3.181
Effective May 1, 2024	$8.143	$6.471	$3.269
Effective January 1, 2025	$8.367	$6.649	$3.359
Effective May 1, 2025	$8.597	$6.832	$3.451

In addition to the 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 Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as a microgrid service, where SMUD provides only backup electricity.

E. Customer Energy Generation Options. Refer to Rate Schedules NEM1 and SSR.

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.

G. Special Metering Charge

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

V. Conditions of Service

A. Type of Electric Service

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

B. Distribution 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:

Electricity Usage x [(95% ÷ Power Factor) - 1] x 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

Effective January 1, 2023	$0.0127
Effective January 1, 2024	$0.0130
Effective May 1, 2024	$0.0134
Effective January 1, 2025	$0.0138
Effective May 1, 2025	$0.0142

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

Effective January 1, 2023	$0.3372
Effective January 1, 2024	$0.3465
Effective May 1, 2024	$0.3560
Effective January 1, 2025	$0.3658
Effective May 1, 2025	$0.3759

VI. Commercial Industrial Time-of-Day Billing Periods

A. Time-of-Day Billing Periods

Non-Summer October 1 -May 31	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
Summer June 1 -September 30	Peak	Weekdays between 4:00 p.m. and 9:00 p.m., excluding holidays
	Off-Peak	All other hours, including holidays

The holidays recognized for the Time-of-Day Billing Periods are as follows:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/Columbus Day	October	Second Monday
Veterans Day	November	11
Thanksgiving Day	November	Fourth Thursday
Christmas Day	December	25

VII. 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 and Site Infrastructure Charge will be prorated as shown in the following table.

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

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. SMUD, as the incumbent utility with native load service obligations, will determine the amount of excess distribution system capacity based on SMUD's forecasted customer loads. Any available distribution capacity in excess of SMUD's native load needs may be available to third parties requesting service under this Rate Schedule DWS. 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

$/kilowatt-month	12/21 kV*	69 kV*
Effective January 1, 2023	$11.152	$1.737
Effective January 1, 2024	$11.459	$1.785
Effective May 1, 2024	$11.774	$1.834
Effective January 1, 2025	$12.098	$1.884
Effective May 1, 2025	$12.430	$1.936

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

III. Conditions of Service

A. Application for Service

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

B. Required Service Contract

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

C. Reservation Deposit

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

D. Term

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

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:

Voltage Level	Loss Factor
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 Commercial & Industrial
Energy Assistance Program
Rate Schedule EAPR

I. Applicability

This Rate Schedule EAPR applies to customers receiving service under residential or Commercial & Industrial 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. The EAPR discount will include:

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	Maximum Electricity Usage Discount
0-50%	$60
>50 to 100%	$32
>100 to 150%	$10
>150 to 200%	$0

3. For certain eligible residential EAPR customers per the table below, an EAPR Stabilization Fund (ESF) will be established and maintained to provide an additional discount applied as a reduction in the electricity usage cost per kilowatt hour up to the maximum discount. On an annual basis the Accountant will determine if available sources of discretionary non-retail rate revenue exist and apply those funds to cover up to the maximum ESF additional discount. The additional monthly discount amount will begin January 1, 2024 and will be determined prior to the year the value is in effect.

Federal Poverty Level	ESF Additional Monthly Discount
0-50%	$0 - $35

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 & Industrial customers will receive discounts as follows:

A. All eligible Commercial & Industrial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Maximum Demand Charge (kW), Site Infrastructure Charge (kW), and Summer Peak Demand Charge (kW) each billing period.

B. The Commercial & Industrial rate schedule CI-TOD1 System Infrastructure Fixed Charge will receive a discount of 35 percent each billing period.

C. The Commercial & Industrial rate schedules CI-TOD2, CI-TOD3 and CI-TOD4 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 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, 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)

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

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
GS-TDP					
Winter Season (January - May)					
System Infrastructure Fixed Charge *per month per meter*	$334.10	$343.30	$352.75	$362.45	$372.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$0.652	$0.670	$0.688	$0.707	$0.726
Electricity Usage Charge					
On-peak *$/kWh*	$0.1156	$0.1188	$0.1221	$0.1254	$0.1288
Off-peak *$/kWh*	$0.0826	$0.0849	$0.0872	$0.0896	$0.0921
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$334.10	$343.30	$352.75	$362.45	$372.40
Site Infrastructure Charge *per 12 months max kW or contract capacity*	$0.652	$0.670	$0.688	$0.707	$0.726
TDP Summer Super-Peak Demand Charge *($/kW)*					
Per kW of maximum demand during Super-Peak Period per day if forecasted daily maximum temperature (T) for the following day is:					
"Heat Storm" if T ≥ 100° for 2 or more consecutive days; or	$6.709	$6.893	$7.083	$7.278	$7.478
"Extremely Hot if T ≥ 100° for a single day; or	$6.305	$6.478	$6.657	$6.840	$7.028
"Very Hot" if 100° > T > 95° for a single day; or	$1.170	$1.202	$1.235	$1.269	$1.304
"Mild to Hot" if 95° ≥ T	No Charge	No Charge	No Charge	No Charge	No Charge
Electricity Usage Charge					
Super-peak *$/kWh*	$0.1572	$0.1615	$0.1660	$0.1705	$0.1752
On-peak *$/kWh*	$0.1382	$0.1420	$0.1459	$0.1499	$0.1540
Off-peak *$/kWh*	$0.1039	$0.1068	$0.1097	$0.1127	$0.1158

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.

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

B. Special Metering Charge

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

V. Conditions of Service

A. Type of Electric Service

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

B. Service Voltage Definition

1. *Secondary Service Voltage*

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

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:

Electricity Usage x [(95% ÷ Power Factor) - 1] x 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

Effective January 1, 2023	$0.0127
Effective January 1, 2024	$0.0130
Effective May 1, 2024	$0.0134
Effective January 1, 2025	$0.0138
Effective May 1, 2025	$0.0142

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

Effective January 1, 2023	$0.3372
Effective January 1, 2024	$0.3465
Effective May 1, 2024	$0.3560
Effective January 1, 2025	$0.3658
Effective May 1, 2025	$0.3759

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

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

Off-peak pricing shall apply during the following holidays:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/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.

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)

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 SMUD's Upper American River Project (UARP) and impacts the SMUD budget. As of April 1, 2024, SMUD will also calculate how the annual hydro generation delivery variances from the Western Area Power Administration's (WAPA) Central Valley Project (CVP) impact the SMUD budget.

II. Conditions

A. General Conditions

1. The Hydro Generation Adjustment (HGA) precipitation period begins April 1 of the previous year and ends on March 31 of the current year (Water Year).
2. 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.

B. SMUD Conditions

1. The actual inches of precipitation (AP) for each period shall be measured at the Fresh Pond measuring station or suitable replacement representative of the UARP watershed.
2. The AP will be compared to the median (midpoint) of inches of precipitation (MP), with the most recent years of data available at the established measuring station, up to a maximum of 50 years.
3. SMUD estimates that each inch of precipitation at Fresh Pond results in 28,000 megawatt hours (MWh) of generation in the UARP.
4. The AP will be capped at a maximum of 80 inches per Water Year to accommodate for spill at the hydroelectric facilities in the UARP.

C. WAPA Conditions

1. The monthly Forecasted Delivery (FD) is provided by WAPA.
2. The FD will be compared to the Actual Delivery (AD) as identified by SMUD.

III. Budget Impact Determination

A. SMUD Budget Impact Determination

The following calculations will be used to determine the SMUD budget impact (SBI) from precipitation variances:

1. **Precipitation Variance**

   Inches of Precipitation Variance (± IPV) = MP – AP

   The variance of precipitation equals the difference between the 50-year median and the actual inches of precipitation. If the measuring station changes, the number of years used to determine the median precipitation may vary depending on the volume of historical data available.

2. **Generation Conversion**
   ± IPV x 28,000 MWh/inch = ± MWh

   The variance of hydro generation, in megawatt hours, equals the inches of precipitation variance x 28,000 MWh/inch at Fresh Pond. If the measuring station changes, the MWh per inch may vary.

3. **Calculation of Budget Effects**
   The market cost of energy is the monthly average of the actual NP15 prices through April 1 and the monthly forecasted NP15 prices for the balance of the year. If NP15 is no longer available, then a suitable replacement will be used.

   ± MWh x market cost of energy ($/MWh) = ± SMUD budget impact ($)

B. WAPA Budget Impact Determination

The following calculations will be used to determine the WAPA budget impact (WBI) from energy delivery variances on a monthly basis:

1. **Energy Delivery Variance**

MWh Energy Delivery Variance (± EDV) = FD – AD

The energy delivery variance equals the difference between the monthly forecasted energy delivery and the monthly actual energy delivery.

2. **Calculation of Budget Effects**
The market cost of energy is the average NP15 price.

IV. Rate Stabilization Funds

A. Hydro Rate Stabilization Fund

The SBI 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 SMUD 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 SMUD HGA will be levied as a surcharge on electricity usage.

The SBI will not exceed ± 4 percent of budgeted annual gross retail revenue.

B. WAPA Rate Stabilization Fund

The WBI will first be compared to the WAPA Rate Stabilization Fund (WRSF). In Water Years where actual energy deliveries exceed the forecasted energy deliveries, funds shall be deposited to the WRSF from Operating Revenues until the WRSF reaches a maximum of 4% of budgeted annual gross retail revenue, at which time subsequent excesses may be returned to the customer through the WAPA HGA. In Water Years where actual energy deliveries are below the forecasted energy deliveries, funds will be withdrawn from the WRSF and applied to Operating Revenues until the WRSF balance reaches zero, at which time the WAPA HGA will be levied as a surcharge on electricity usage.

The WBI will not exceed ± 2 percent of budgeted annual gross retail revenue.

V. Rate Charges

A. SMUD Rate Charges

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

HRSF – SBI = Calculated HRSF

A. If Calculated HRSF is < 0

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

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

B. If Calculated HRSF is ≥ 0 and **≤ *6 percent of budgeted annual gross retail revenue***:

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

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

B. WAPA Rate Charges

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

WRSF – WBI = Calculated WRSF

A. If Calculated WRSF is < 0

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

– $\frac{\text{Calculated WRSF}}{\text{Budgeted annual retail kWh sales}} = \text{WAPA HGA}$

Any funds collected through the WAPA HGA will be deposited into the WRSF.

B. If Calculated WRSF is ≥ 0 and **≤ 4 *percent of budgeted annual gross retail revenue***:

The Accountant will transfer the positive WBI out of the WRSF and into Operating Revenues and transfer the negative WBI into the WRSF from Operating Revenues.

C. If the Calculated WRSF is **> 4 *percent of budgeted annual gross retail revenue***:

The Accountant will transfer the negative WBI into the WRSF from Operating Revenues up to 4 percent of budgeted annual gross retail revenue. The Board may authorize the WAPA HGA or direct the funds for another purpose. At the Board's direction, the WAPA HGA will be set at:

– $\frac{\text{(Calculated WRSF – 4}\textit{\% of budgeted annual gross retail revenue}\text{)}}{\text{Budgeted annual retail kWh sales}} = \text{WAPA HGA}$

C. Rate Charges

The HGA will be comprised of the SMUD HGA and the WAPA HGA.

HGA = SMUD HGA + WAPA HGA

VI. Application

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

(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

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
NLGT					
Electricity and Switching Charge *$ per watt of connected load*	$0.0308	$0.0316	$0.0325	$0.0334	$0.0343

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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, 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.

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.

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)

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 and 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 SSR are not eligible to enroll in the Fixed Rate.

6. Customers who have a storage facility without an associated eligible generating facility are not eligible to enroll in the Fixed Rate.

7. Customers who have master meters, including those enrolled on the RSMM rate category, are not eligible to enroll in the Fixed Rate.

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)

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
Fixed Rate (RF01)					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$23.50	$24.15	$24.80	$25.50	$26.20
Electricity Usage Charge					
All kWh usage per month *$/kWh*	$0.1194	$0.1227	$0.1261	$0.1295	$0.1331
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$23.50	$24.15	$24.80	$25.50	$26.20
Electricity Usage Charge					
All kWh usage per month *$/kWh*	$0.1907	$0.1959	$0.2013	$0.2069	$0.2126

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

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
Master Metered Multifamily and Mobile Home Park Billing (Closed)					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per unit*	$23.50	$24.15	$24.80	$25.50	$26.20
Electricity Usage Charge					
All kWh usage per month *$/kWh*	$0.1324	$0.1360	$0.1398	$0.1436	$0.1476
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per unit*	$23.50	$24.15	$24.80	$25.50	$26.20
Electricity Usage Charge					
All kWh usage per month *$/kWh*	$0.1516	$0.1558	$0.1601	$0.1645	$0.1690

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 Rate. 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. Standby Service Option

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) have a combined nameplate rating of less than 100 kW; 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.

Standby Charge January 1 through December 31

$/kW of Contract Capacity per month

Effective January 1, 2023	$7.713
Effective January 1, 2024	$7.925
Effective May 1, 2024	$8.143
Effective January 1, 2025	$8.367
Effective May 1, 2025	$8.597

In addition to the 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 Standby Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as a microgrid service, where SMUD provides only backup electricity.

F. Customer Energy Generation Option. Refer to Rate Schedule NEM1.

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.

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 may be 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

Effective January 1, 2023	$50.45
Effective January 1, 2024	$51.85
Effective May 1, 2024	$53.25
Effective January 1, 2025	$54.75
Effective May 1, 2025	$56.25

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.
3. Customers who have an eligible renewable electrical generation facility under Rate Schedules NEM1 or SSR that was approved for installation by SMUD on or after January 1, 2018, or who establish service at a premises that has an electrical generation facility that is fueled by a renewable fuel source on or after January 1, 2018 must be on this Rate Schedule R-TOD.

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. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown in Section V. Conditions of Service along with the holidays.

B. Optional Critical Peak Pricing (CPP) Rate (rate category RTC1)

1. The CPP rate is available as of June 1, 2022 for customers who are participating in a qualifying program. Customers that have accepted a storage incentive under certain Solar and Storage Rate incentive programs are required to enroll in this rate for a duration as determined by SMUD program rules posted on www.smud.org.

2. A maximum of 30,000 customers may be enrolled in this rate at any given time.

3. CPP Events may range from one to four hours, but not more than once per day. CPP Events may be called during any hour of the day during summer months, including holidays and weekends, up to 50 hours per summer. CPP Events may span multiple time-of-day periods.

4. CPP Events will be announced by SMUD a day in advance. However, in the event of a system emergency, announcements may occur the same day as the event.

5. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown in Section V. Conditions of Service along with the holidays.

II. Firm Service Rates

A. Time-of-Day (5-8 p.m.) Rate

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
Time-of-Day (5-8 p.m.) Rate (RT02)					
Non-Summer Season (October - May)					
System Infrastructure Fixed Charge *per month per meter*	$23.50	$24.15	$24.80	$25.50	$26.20
Electricity Usage Charge					
Peak *$/kWh*	$0.1547	$0.1590	$0.1633	$0.1678	$0.1724
Off-Peak *$/kWh*	$0.1120	$0.1151	$0.1183	$0.1215	$0.1248
Summer Season (June - September)					
System Infrastructure Fixed Charge *per month per meter*	$23.50	$24.15	$24.80	$25.50	$26.20
Electricity Usage Charge					
Peak *$/kWh*	$0.3279	$0.3369	$0.3462	$0.3557	$0.3655
Mid-Peak *$/kWh*	$0.1864	$0.1914	$0.1967	$0.2021	$0.2077
Off-Peak *$/kWh*	$0.1350	$0.1387	$0.1425	$0.1464	$0.1505

B. Optional Critical Peak Pricing Rate

1. The CPP Rate base prices per time-of-day period are the same as the prices per time-of-day period for TOD (5-8 p.m.).
2. The CPP Rate provides a discount per kWh on the Mid-Peak and Off-Peak prices during summer months.
3. During CPP Events, customers will be charged for energy used at the applicable time-of-day period rate plus the CPP Rate Event Price per kWh as shown on www.smud.org.
4. During CPP Events, energy exported to the grid will be compensated at the CPP Rate Event Price per kWh as shown on www.smud.org.
5. The CPP Rate Event Price and discount will be updated annually at SMUD's discretion and posted on www.smud.org.

C. Plug-In Electric Vehicle Credit (rate categories RT02 and RTC1)

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 Rate. 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 Rate. Refer to Rate Schedule MED.

D. Standby Service Option

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) have a combined nameplate rating less than 100 kW; 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.

Standby Service – January 1 through December 31
$/kW of Contract Capacity per month

Effective January 1, 2023	$7.713
Effective January 1, 2024	$7.925
Effective May 1, 2024	$8.143
Effective January 1, 2025	$8.367
Effective May 1, 2025	$8.597

In addition to the 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 Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR. The Standby Service Charge applies to customers who install, interconnect, and operate their own electrical generation facility and equipment to self-supply all their own power needs as a microgrid service, where SMUD provides only backup electricity.

E. Customer Energy Generation Options. Refer to Rate Schedules NEM1 and SSR.

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

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.

H. Residential Three-Phase Service Option

This option applies to customers located in areas where three-phase service is available. A Special Facilities fee may be 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

Effective January 1, 2023	$50.45
Effective January 1, 2024	$51.85
Effective May 1, 2024	$53.25
Effective January 1, 2025	$54.75
Effective May 1, 2025	$56.25

V. Conditions of Service

A. Time-of-Day Billing Periods

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

[1] See Section V. Conditions of Service

Off-Peak pricing shall apply during the following holidays:

Holiday	Month	Date
New Year's Day	January	1
Martin Luther King Jr. Day	January	Third Monday
Presidents Day	February	Third Monday
Memorial Day	May	Last Monday
Juneteenth National Independence Day	June	19
Independence Day	July	4
Labor Day	September	First Monday
Indigenous Peoples' Day/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 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)

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 (District)-Maintained — Rate Category SL_CODM**
- **SMUD (District)-Owned and Maintained — Rate Category SL_DOM**

For the purposes of the following prices a "month" is considered to be a single billing period 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. Effective the first full billing cycle after the following date(s), the charge will be as follows:

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
SL_COM					
Electricity and Switching Charge *$ per watt of connected load*	$0.0308	$0.0316	$0.0325	$0.0334	$0.0343

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:

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
SL_COM_M					
System Infrastructure Fixed Charge *per month per meter*	$10.70	$11.00	$11.30	$11.60	$11.95
Electricity Usage Charge All day *$/kWh*	$0.0925	$0.0950	$0.0976	$0.1003	$0.1031

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. Effective the first full billing cycle after the following date(s), the charge will be as follows:

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
SL_CODM (closed)					
Electricity and Switching Charge *$ per watt of connected load*	$0.0308	$0.0316	$0.0325	$0.0334	$0.0343

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.

V. SMUD (District)-Owned and Maintained — Rate Category SL_DOM

Where the customer requests that SMUD own, 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.

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

A. Pricing

Effective the first full billing cycle after the following date(s), the charge will be as follows:

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
SL_DOM					
Electricity and Switching Charge *$ per watt of connected load*	$0.0308	$0.0316	$0.0325	$0.0334	$0.0343

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.

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

II. Rates (Rate Categories TS_F, TS)

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
TS_F, TS					
System Infrastructure Fixed Charge *for metering point per month or portion thereof*	$6.36	$6.53	$6.71	$6.90	$7.09
Electricity Usage Charge All day *$/kWh*	$0.1161	$0.1194	$0.1226	$0.1259	$0.1294

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

	Effective as of January 1, 2023	Effective as of January 1, 2024	Effective as of May 1, 2024	Effective as of January 1, 2025	Effective as of May 1, 2025
SL_TSF					
For units not larger than 70 watts or connected load and not exceeding three lamps per unit, the monthly charge **per unit** per month	$4.61	$4.74	$4.87	$5.00	$5.14
For units larger than 70 watts or connected load and not exceeding three lamps per unit, the monthly charge **per lamp per watt**	$0.0323	$0.0332	$0.0341	$0.0350	$0.0360
Total charge per month being not less than	$4.61	$4.74	$4.87	$5.00	$5.14

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)

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.

Distribution System
The Distribution System consists of the three voltage classes available to customers, where SMUD provides service below 100 kV. This includes subtransmission service at a voltage level of 69 kV or as otherwise defined by SMUD, primary service at a voltage level of 12 kV or 21 kV, as well as secondary service at a voltage level below 12 kV or at a level not otherwise defined as "primary" or "subtransmission".

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.

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:

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

where: $KVA^2 = KVAR^2 + KW^2$ 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 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.

Summer 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 summer peak hours that are specified in the Commercial Industrial 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)

Adjustment for Errors in Electric Bills
Rule and Regulation 10

I. Investigation of Billing Error

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

II. Adjustment of Bills for Billing Error

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

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

III. Adjustment of Bills for Meter Error

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

IV. Adjustment of Bills for Unauthorized Use

Where SMUD determines that there has been unauthorized use of electrical service, SMUD may bill the customer for SMUD's estimate of such unauthorized use.

a. Residential Customers

The Fixed Rate (see Rate Schedule R) may be used for the collection of revenue associated with unauthorized use of residential electrical service regardless of the date(s) or time(s) in which the use occurred.

b. Non-Residential Customers

The applicable rate, including revenue associated with demand charges, electricity usage charges and power factor adjustment or waiver charges will be used for the collection of revenue associated with unauthorized use of non-residential electrical service, in addition to the applicable System Infrastructure Fixed Charge as appropriate, regardless of the date(s) or time(s) in which the use occurred.

Nothing in this rule shall be interpreted as limiting SMUD's right under any provisions of any applicable law.

V. Limitation on Adjustment of Bills for Energy Use

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

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

(End)

Service to Premises and Use of Energy
Rule and Regulation 18

I. General Statement of Rule

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

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

II. Definitions

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

Resell electricity is the resale of electricity for profit.

Central system is defined as, but not limited to, air conditioning, heating, domestic hot water, compressed air, fire or security alarms, or an energy management system.

III. Exceptions to Requirement That SMUD Serve All Premises Directly

1. A customer may obtain nonresidential service at a single point of delivery for two or more premises operating as a single enterprise, adjacent to each other but separated only by streets, railways, or highways if the customer provides and maintains the necessary electrical facilities between SMUD's point of delivery and the electrical apparatus in accordance with the applicable statutes, ordinances, or regulations of the governmental agencies having jurisdiction thereof, and in such a manner that the convenience of SMUD and the safety of its personnel are not adversely affected.
2. Customers for which master metering was authorized prior to August 1, 1978, may continue to obtain service at a single point of delivery through a single metering installation for two or more single-family dwelling units in the same building or for two or more multifamily dwelling buildings, provided such buildings are adjacent to each other on an integral parcel of land undivided by a public highway, street, or railway. After August 1, 1978, all multifamily residential premises will be metered individually.
3. A building, a portion of a building, a group of buildings, or an automobile trailer camp containing more than one premises will receive service through a single point of delivery if SMUD determines that it is not reasonable or feasible to serve each premises directly.
4. A separate single meter may be used for a building's central system that serves more than one premises. When exceptions as described above are granted, the cost of electric service may be included in the rent.
5. Submetering for nonbilling purposes will be allowed for use in production measurement or budget allocation, with the prior approval of SMUD.

IV. Exceptions to Prohibition on Resale of Electricity

1. Mobile home parks for which submetering was permitted prior to August 1, 1971, and for which electric service is included in the facilities furnished to their tenants, may employ submetering equipment as a means of reselling SMUD electricity by retroactively adjusting rental charges for energy consumption, provided that the portion of such charges allocable to electricity will be charged the RSMM rate. Specifically, the mobile home park master-meter customer may resell electricity to their submetered tenants provided the following conditions are met:
    a. The tenants shall be charged the RSMM rate.
    b. The mobile home park shall bill each tenant for electricity use based on the tenant's submeter. The tenant's bill shall be generally in accordance with the form and content of SMUD bills, and include the amount of usage metered for the billing period, include the beginning and ending meter readings, and the amount of the bill.
    c. Discounts for low income and medical equipment shall be passed through to the qualifying tenant; net metering discounts under Rate Schedule NEM shall be passed through to tenants.

d. The mobile home park shall post SMUD's applicable rate schedule(s) in a conspicuous place on the mobile home park's premises.

2. Electric utilities and governmental agencies may submeter and resell electricity supplied to them by SMUD.

V. Enforcement

SMUD reserves the right to verify any submetering program, associated records and submetering bills for the purposes of determining compliance with SMUD's Rates, Rules and Regulations.

Customers who are receiving service in conflict with this rule and who fail to bring themselves into conformity within a reasonable time after receiving written notice from SMUD shall have their service discontinued.

(End)