

RESOLUTION NO. 21-08-06

**BE IT RESOLVED BY THE BOARD OF DIRECTORS
OF THE SACRAMENTO MUNICIPAL UTILITY DISTRICT:**

Section 1. That this Board hereby approves introduction of two draft rate resolutions to make changes to SMUD’s Rates, Rules and Regulations proposed by the Chief Executive Officer and General Manager’s Report and Recommendation on Rates and Services (Volumes 1 & 2) dated June 17, 2021 (“CEO & GM Report”), substantially in the form set forth in **Attachment A** and **Attachment B** hereto.

Section 2. That this Board approves introduction of a draft rate resolution to make changes to SMUD’s Rates, Rules and Regulations proposed by the Chief Executive Officer and General Manager’s Report and Recommendation on Open Access Transmission Tariff (Volume 1) dated June 17, 2021 (“OATT Report”), substantially in the form set forth in **Attachment C** hereto.

Approved: August 31, 2021

INTRODUCED: DIRECTOR KERTH				
SECONDED: DIRECTOR FISHMAN				
DIRECTOR	AYE	NO	ABSTAIN	ABSENT
BUI-THOMPSON	X			
ROSE			X	
FISHMAN	X			
HERBER	X			
KERTH	X			
TAMAYO	X			
SANBORN	X			

RESOLUTION NO. _____

WHEREAS, on June 17, 2021, the Chief Executive Officer and General Manager released the “Chief Executive Officer & General Manager's Report and Recommendation on Rates and Services, *Volumes 1 and 2*” (the “CEO & GM Report”), which is incorporated by reference herein; and

WHEREAS, by Resolution 21-06-06, adopted June 17, 2021, a public hearing on the CEO & GM Report was scheduled for August 31, 2021, at 5:30 p.m.; and

WHEREAS, notices of the hearing were duly published in the *Sacramento Bee* on June 22, June 25 and June 30, 2021; and

WHEREAS, pursuant to SMUD Ordinance No. 15-1, SMUD conducted the two required public workshops on July 8, 2021, and July 27, 2021, to receive and respond to customer comments and questions; and

WHEREAS, in compliance with Government Code section 54999, SMUD sent written notifications by certified mail on June 28, 2021, and June 29, 2021, describing the rate proposal to local school districts, county offices of education, community college districts, California State University, the University of California, and state agencies; and

WHEREAS, SMUD held two qualifying public workshops, contacted over 1,200 community organizations and neighborhood associations leaders via email, letter or phone call invitations to offer an in-person presentation, sent emails to over 256,000 customers and organizations with tailored content for each audience, conducted over 50 presentations to community neighborhood and business organizations, over 300

community and business partners were provided content and were asked to share information regarding the rate proposal with their members and networks, and an additional 55 local agency elected officials were sent information packets with an offer of in-person presentations, which resulted in one meeting being held and offers for follow-up meetings if desired; and

WHEREAS, SMUD provided all customers information about the rate proposal via email, mail newsletters, and through the rate change proposal website on www.smud.org, which received approximately 3,300-page views; and

WHEREAS, SMUD received from members of the public written questions, as well as comments and alternative recommendations to the rate changes proposed; and

WHEREAS, the public hearing was held on August 31, 2021, and out of an abundance of caution due to the ongoing COVID-19 health and safety precautions, the public hearing was conducted virtually on ZoomGov and livestreamed via Granicus, and all interested persons were given an opportunity to comment and submit testimony; and

WHEREAS, pursuant to SMUD Ordinance No. 15-1, this resolution was introduced on August 31, 2021, by this Board to be circulated for a minimum of 10 calendar days for public review, input and comment; and

WHEREAS, the CEO & GM Report set forth in detail the factors necessitating the proposed rate action, including the need to meet SMUD's financial targets in years 2022 and 2023, consisting of:

- Wildfire prevention and mitigation, due to increased costs and requirements for vegetation management and insurance for wildfire; and
- Infrastructure improvements to maintain high reliability, including continued investments in our distribution and transmission systems, as well as meeting regulatory requirements; and
- Clean energy compliance requirements – investing in clean energy resources like more wind, solar, hydro power and biogas to meet updated state requirements; and
- Increased operating costs, including materials and labor, due to the COVID-19 pandemic and the impacts it has had to global supply chains; and

WHEREAS, SMUD has adopted a robust risk-based prioritization process to develop operational efficiencies and other cost saving measures to offset higher costs and ensure that rate increases are less than the forecasted rate of inflation; and

WHEREAS, it is necessary for SMUD to increase retail rates by one and a half percent (1.5%) for all customers effective March 1, 2022, and two percent (2.0%) for all customers effective January 1, 2023, in order to continue to meet the objectives and metrics set forth in this Board's Strategic Directions; and

WHEREAS, the recommendations in the CEO & GM Report include minor language amendments in Rate Schedules R and R-TOD to improve clarity of which

months are included in each season, which rates customers may enroll in, and the closure of the Legacy and TOD (4-7 p.m.) rates; and

WHEREAS, SMUD proposes a new optional Residential CPP Rate for customers participating in a qualified program that will offer a per kWh discount on summer Off-Peak and Mid-Peak hours in exchange for a higher per kWh price during times when the grid is most stressed, up to 50 hours per summer; energy sent to the grid during CPP events will be compensated at the CPP event price; the CPP Rate will encourage customers to reduce their energy consumption during those times when the grid is most impacted, and send energy to the grid from solar or battery storage, thereby reducing stress on the grid, improving reliability, and promoting storage adoption; and

WHEREAS, on August 20, 2020, the Board approved postponing the implementation of the commercial rate restructure for one year, with the transition completing no later than May 31, 2022, as a result of the COVID-19 pandemic's impact on SMUD's operations and shifted priorities; and

WHEREAS, the recommendations in the CEO & GM Report include modifying Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3 and CI-TOD4 to reflect the delayed implementation of the commercial rate restructure to begin as early as October 1, 2021; and

WHEREAS, the recommendations in the CEO & GM Report include adding the Summer Super Peak Demand Charge back into Rate Schedules CB, CHP, EAPR, and EDR to reflect the delayed implementation of the commercial rate restructure timing; and

WHEREAS, the recommendations in the CEO & GM Report include modifying Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3 and CI-TOD4 to improve clarity and add storage systems in the list of devices that would allow customers to request an adjustment to their 12-month maximum demand; and

WHEREAS, the recommendations in the CEO & GM Report include updating the language in Rate Schedule CI-TOD1 to more accurately reflect the new rates nomenclature; and

WHEREAS, the recommendations in the CEO & GM Report include updating the applicability section of Rate Schedule CI-TOD2 to more clearly define which customers are subject to Rate Schedule CI-TOD2; and

WHEREAS, the recommendations in the CEO & GM Report include adding “Maximum Demand Charge” to the proration language of Rate Schedule AG to reflect current practices; and

WHEREAS, the recommendations in the CEO & GM Report include removing all language referencing rate category SL_DOM_M from Rate Schedule SLS; and

WHEREAS, the recommendations in the CEO & GM Report include adding language back into Rate Schedule SLS that was inadvertently removed in a prior rate action; and

WHEREAS, the recommendations in the CEO & GM Report include modifying Rate Schedules AG, CI-TOD1, CI-TOD2, CI-TOD3, CI-TOD4, R and R-TOD to clarify which customers are exempt from the Generator Standby Service Charge; and

WHEREAS, the recommendations in the CEO & GM Report include updating Rate Schedule EAPR to reflect the end of the residential low-income discount transition and add the Maximum Demand Charge to the list of rate components that qualify for the Energy Assistance Program Rate discount; and

WHEREAS, the recommendations in the CEO & GM Report include modifying Rate Schedule EDR by replacing the reference to the first meter read with a reference to the first billing period to align with the use of digital communicating meters; and

WHEREAS, the recommendations in the CEO & GM Report include modifying Rate Schedule HGA by updating the generation amount from 35,000 MWh/inch to 30,000 MWh/inch to reflect new Federal Energy Regulatory Commission (FERC) licensing requirements and data collected since the implementation of Rate Schedule HGA; and

WHEREAS, the recommendations in the CEO & GM Report include updating Rate Schedule RBC by adding in the Summer Peak Demand Charge and updating the reference to Rate Schedule NEM with “Rate Schedules NEM1 and SSR” to reflect the updates approved by the Board in the 2019 rate action and the new Solar and Storage Rate; and

WHEREAS, the recommendations in the CEO & GM Report include updating Rule and Regulation 13 – Temporary Service to more accurately reflect current practices; and

WHEREAS, the recommendations in the CEO & GM Report, on balance, meet the competitive rate targets and the rate design metrics in Strategic Direction 2, Competitive Rates, including:

- The Board establishes a rate target of 18 percent below Pacific Gas & Electric Company's published rates on a system average basis. In addition, the Board establishes a rate target of at least 10 percent below PG&E's published rates for each customer class;
- SMUD's rates shall be competitive with other local utilities on a system average basis;
- In addition, SMUD's rates shall be designed to balance and achieve the following goals:
 - Reflect the cost of energy when it is used or exported to the SMUD grid;
 - Reduce consumption during periods of high system demand;
 - Encourage energy efficiency, conservation and carbon reduction;
 - Encourage cost effective and environmentally beneficial Distributed Energy Resources (DERs) (examples of DERs include but are not limited to rooftop solar, battery storage and energy reduction applications);
 - Minimize the rate of change in the transition from one rate design to another;
 - Provide customers flexibility and choices;
 - Be as simple and easy to understand as possible;

- Address the needs of people with low incomes and severe medical conditions; and
- Equitably allocate costs across and within customer classes; and

WHEREAS, the recommendations in the CEO & GM Report will ensure SMUD meets or exceeds the financial targets in Strategic Direction 3, Access to Credit Markets, and continues to meet the metrics and targets in the other Strategic Directions adopted by this Board, including those addressing reliability, customer relations, environmental leadership, and resource planning; and

WHEREAS, in light of the adoption of Proposition 26 on November 2, 2010, which precludes certain new fees, levies or charges but is not retroactive as to local governments, this Board desires to maintain certain pre-Proposition 26 rates; this Board understands that Proposition 26 does not vitiate legislation adopted prior to November 3, 2010, and any changes in rates since this date are cost-justified under the analysis in the respective Chief Executive Officer and General Manager's Report and Recommendation on Rates and Services that supported the adoption of the rates; and

WHEREAS, the recommendations to increase rates 1.5% on March 1, 2022, and 2.0% on January 1, 2023, for all customer classes are made on an across-the-board basis to reflect SMUD's cost increases of proportionate impact on all customer classes on average and therefore does not require an examination of the allocation of costs among customer classes or of class definitions; and

WHEREAS, the recommendations to implement the restructuring of the commercial rate restructure bring commercial Time-of-Day (TOD) rates and small commercial customer rates closer to the cost of service, including small commercial

Energy Assistance Program Rate (EAPR) customers that receive a discounted demand charge; and

WHEREAS, this Board has carefully considered the CEO & GM Report public comment, input, and alternatives from community meetings, public rate workshops, the noticed public hearing, and comments received by mail, telephone and email; and

WHEREAS, this Board finds that the proposed action is reasonable and in the best interests of the public and SMUD's customers; **NOW, THEREFORE**,

**BE IT RESOLVED BY THE BOARD OF DIRECTORS
OF SACRAMENTO MUNICIPAL UTILITY DISTRICT:**

Section 1. RATE INCREASE FOR RESIDENTIAL RATES:

a. Effective March 1, 2022, adopt an increase in residential service rates by one and one half percent (1.5%). The increases will apply to all residential rates. The increases apply to the System Infrastructure Fixed Charge (SIFC), as well as the electricity usage charges and miscellaneous charges on customer bills.

b. Effective January 1, 2023, adopt an increase in residential service rates by two percent (2.0%). The increases will apply to all residential rates. The increases apply to the SIFC, as well as the electricity usage charges and miscellaneous charges on customer bills.

Prices in the tariffs may reflect minor rounding differences.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 2. CHANGES TO RATE SCHEDULE R:

- a. Effective January 1, 2022, add the following language in Section I,

Subsection A of Rate Schedule R:

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

- b. Effective January 1, 2022, modify Section I, Subsection A,

Subsection 3 in Rate Schedule R as follows:

*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** ~~NEM1 customers that are enrolled in the Fixed Rate~~ may remain on the Fixed Rate after December 31, 2022.*

- c. Effective January 1, 2022, modify Section I, Subsection B,

Subsections 3 and 4 in Rate Schedule R as follows:

*3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD before January 1, 2018, and are enrolled on the Legacy Rate may remain on this closed rate until **transitioned to SMUD's standard TOD (5-8 p.m.) Rate as early as January 1, 2023, as technically feasible** ~~December 31, 2022~~. If an eligible generation facility customer in this rate category elects an open rate, the customer cannot return to the Legacy Rate.*

*4. The Legacy Rate **will be eliminated once all** ~~terminate for~~ customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first billing cycle that closes in 2023, and customers will then transition to SMUD's standard residential rate **are removed from this rate and the rate transition is complete.***

d. Effective January 1, 2022, modify Section II, Subsections A and C of Rate Schedule R by adding the months for each season in the rates table and removing the following language:

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

Additions and revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 3. CHANGES TO RATE SCHEDULE R-TOD:

a. Effective January 1, 2022, add Subsection 3 to Section I in Rate Schedule R-TOD as follows:

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.

b. Effective January 1, 2022, modify the language in Section I, Subsection A in Rate Schedule R-TOD as follows:

1. The TOD (5-8 p.m.) Rate is the standard rate for SMUD's residential customers. Eligible customers can elect the Fixed Rate under Rate Schedule R as an alternative rate.

~~*2. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD after December 31, 2017, must be on the TOD (5-8 p.m.) Rate.*~~

32. The TOD (5-8 p.m.) Rate is an optional rate for customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD prior to January 1, 2018.

~~3. Customers who have an eligible renewable electrical generation facility under Rate Schedule NEM2 must be on the TOD (5-8 p.m.) Rate.~~

~~43. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.~~

c. Effective January 1, 2022, modify Section I, Subsection B,

Subsection 3 in Rate Schedule R-TOD as follows:

~~3. The TOD (4-7 p.m.) Rate will terminate for customers with an eligible renewable electrical generation facility under Rate Schedule NEM1 on their first billing cycle that closes in 2023, as early as January 1, 2023 as technically feasible. Customers will then transition to SMUD's standard residential TOD (5-8 p.m.) Rate, as determined by SMUD.~~

d. Effective January 1, 2022, modify Section II, Subsection A of Rate

Schedule R-TOD by adding the months for each season in the rates table and removing the following language:

~~*Non-summer Season includes Fall (Oct 1—Nov 30), Winter (Dec 1—Mar 31) and Spring (Apr 1—May 31) periods.~~

Additions and revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 4. CRITICAL PEAK PRICING RATE:

a. Effective January 1, 2022, add Subsection C to Section I in Rate

Schedule R-TOD as follows:

C. Optional Critical Peak Pricing (CPP) Rate (rate categories RTC1 and RTC2)

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 the Solar and Storage Rate incentive program 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 below. Holidays are detailed in Section V. Conditions of Service.

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

b. Effective January 1, 2022, add Subsection C to Section II in Rate

Schedule R-TOD as follows:

C. 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. Effective January 1, 2022, customers electing to enroll in the Critical Peak Pricing Rate may also receive the Electric Vehicle discount.

d. The Critical Peak Pricing Rate will follow new rates nomenclature as determined by SMUD.

Additions and revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 5. RATE INCREASE FOR AGRICULTURAL AND COMMERCIAL RATES:

a. Effective March 1, 2022, Commercial & Industrial Time-of-Day, General Service Temperature Dependent, Agricultural Service, Distribution Wheeling Services, and Combined Heat & Power Distributed Generation rates (Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3, and CI-TOD4, formerly known as Rate Schedules GS, GS-TOU1, GS-TOU2, GS-TOU3, and Rate Schedules AG, CHP, DWS, and GS-TDP) shall be increased by one and one half percent (1.5%) through the following components:

- Electricity Usage Charges;
- System Infrastructure Fixed Charge;
- Summer Super Peak Demand Charges;
- Summer Peak Demand Charges;

- Site Infrastructure Charges;
- Maximum Demand Charges;
- Generator Standby Charges;
- Power Factor and other miscellaneous charges;
- Distribution Wheeling Charges;
- Reserved Capacity Charge/Rate

b. Effective January 1, 2023, Commercial & Industrial Time-of-Day, General Service Temperature Dependent, Agricultural Service, Distribution Wheeling Service, and Combined Heat & Power Distributed Generation rates, (Rate Schedules AG, CHP, CI-TOD1, CI-TOD2, CI-TOD3, and CI-TOD4, DWS and GS-TDP) shall be increased by two percent (2.0%) through the following components:

- Electricity Usage Charges;
- System Infrastructure Fixed Charge;
- Summer Peak Demand Charges;
- Site Infrastructure Charges;
- Maximum Demand Charges;
- Generator Standby Charges;
- Power Factor and other miscellaneous charges;
- Distribution Wheeling Charges;
- Reserved Capacity Charge/Rate

Prices in the tariffs may reflect minor rounding differences.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 6. IMPLEMENTATION OF COMMERCIAL RATE

RESTRUCTURE:

a. Effective September 17, 2021, move the transition language from Section I, Subsections A and B, to a new Section II. Transition to Restructured Commercial & Industrial Time-of-Day Rates in Rate Schedules CI-TOD2, CI-TOD3, and CI-TOD4.

b. Effective September 17, 2021, replace the language in Section II of Rate Schedule CI-TOD1 with the following language:

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GSN_T and GSS_T) will be closed to new customers October 1, 2021.

2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-0 and CITS-1) beginning the first full billing cycle in October 2021.

3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

c. Effective September 17, 2021, replace the language in Section II of Rate Schedule CI-TOD2 with the following language:

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GUS_S and GUP_S) will be closed to new customers October 1, 2021.

2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured

Commercial & Industrial Time-of-Day rates (CITS-2 and CITP-2) beginning the first full billing cycle in October 2021.

3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

d. Effective September 17, 2021, replace the language in Section II of

Rate Schedule CI-TOD3 with the following language:

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GUS_M, GUP_M and GUT_M) will be closed to new customers October 1, 2021.

2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-3, CIP-3, and CITT-3) beginning the first full billing cycle in October 2021.

3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

e. Effective September 17, 2021, replace the language in Section II of

Rate Schedule CI-TOD4 with the following language:

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GUS_L, GUP_L and GUT_L) will be closed to new customers October 1, 2021.

2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-4, CIP-4, and CITT-4) beginning the first full billing cycle in October 2021.

3. *Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).*

f. Effective September 17, 2021, modify Section III, Subsection A in Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3 and CI-TOD4 by adding the closing date, October 1, 2021, to the title of Subsection A and the following sentence after the Legacy rate prices:

All customers on these rates will be transitioned to the new restructured rates as early as October 1, 2021.

g. Effective September 17, 2021, update the language after the price table in Section III, Subsection C in Rate Schedule CI-TOD1 as follows:

*New restructured commercial rates beyond ~~2021~~**2023** are effective as shown in Section ~~VIII~~**IX**. Transition Schedule.*

h. Effective September 17, 2021, update the language after the price table in Section III, Subsection B in Rate Schedules CI-TOD2, CI-TOD3 and CI-TOD4 as follows:

*New restructured commercial rates beyond ~~2021~~**2023** are effective as shown in Section ~~VIII~~**IX**. Transition Schedule.*

i. Effective September 17, 2021, add the Summer Super Peak Demand Charge to Section V, Subsection D of Rate Schedules CI-TOD2, CI-TOD3 and CI-TOD4 as follows:

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

j. Effective September 17, 2021, add the Maximum Demand Charge to Section V, Subsection D of Rate Schedule CI-TOD1 as follows:

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

k. Effective September 17, 2021, update the date the Legacy commercial rates will close, October 1, 2021, in Section VII, Subsection A of Rate Schedules CI-TOD2, CI-TOD3 and CI-TOD4.

l. Effective September 17, 2021, modify the title of Section VII, Subsection A of Rate Schedule CI-TOD1 as follows:

*B. Legacy ~~GSN_T, GSS_T and GFN~~**Time-of-Use Billing Periods (closed as of October 1, 2021)***

m. Effective September 17, 2021, add the Summer Super Peak Demand Charge to Section VIII, Subsection B in Rate Schedules CI-TOD2, CI-TOD3 and CI-TOD4.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 7. MISCELLANEOUS COMMERCIAL UPDATES:

a. Effective September 17, 2021, modify Section V, Subsection C in Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3, and CI-TOD4 as follows:

*C. Implementation of Energy Efficiency 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 ~~billing demand~~ **twelve month maximum demand** based on the anticipated reduction in kW from the Energy Efficiency Project Worksheet. The ~~adjusted billing demand~~ **twelve month maximum demand** is valid for 12 months or until it is exceeded by actual maximum demand.*

b. Effective September 17, 2021, move Section V, Subsection D to a new Section VII. Commercial & Industrial Time-of-Day Billing Periods, with the remaining section numbers updated accordingly in Rate Schedules CI-TOD2, CI-TOD3, and CI-TOD4.

c. Effective September 17, 2021, add the holidays in Section VII, Subsection A of Rate Schedules CI-TOD2, CI-TOD3, and CI-TOD4.

d. Effective September 17, 2021, modify the title of Section VII, Subsection B of Rate Schedule CI-TOD1 as follows:

B. Restructured ~~CITS-0 and CITS-1~~ Time-of-Day Billing Periods

Additions and revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 8. MODIFICATIONS TO RATE SCHEDULE CI-TOD1:

a. Effective September 17, 2021, update Section I, Subsection A of Rate Schedule CI-TOD1 as follows:

*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 ~~demand~~ rate. To return to the ~~nondemand~~ **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. Effective September 17, 2021, update Section I, Subsection C of Rate Schedule CI-TOD1 as follows:

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 ~~demand~~ 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.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 9. MODIFICATIONS TO RATE SCHEDULE CI-TOD2:

a. Effective September 17, 2021, modify Section I of Rate Schedule CI-TOD2 as follows:

*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 is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand of at least 300 kW for three consecutive months, but not greater than 499 kW for three consecutive months during the preceding 12 months, ~~and for all accounts previously served at the primary level on Rate Schedule GS.~~ Accounts **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 is also mandatory for accounts with contract capacity of at least 300 kW, but not greater than 499 kW. The demand for any month shall be the maximum 15-minute kW delivery during the month.*

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 10. MODIFICATIONS TO RATE SCHEDULE AG:

Effective January 1, 2022, add “Maximum Demand Charge” to the proration language in Section VI, Subsection B of Rate Schedule AG.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 11. CHANGES TO STREET, TRAFFIC, AND LIGHTING

SERVICES:

a. Effective March 1, 2022, Lighting Services (Rate Schedules SLS, TSS, TC ILS and NLGT) billing components shall be increased by one and one half percent (1.5%). The rate increases do not apply to monthly leasing and maintenance charges for street lighting lamps and fixtures.

b. Effective January 1, 2023, Lighting Services (Rate Schedules SLS, TSS, TC ILS and NLGT) billing components shall be increased by two percent (2.0%). The rate increases do not apply to monthly leasing and maintenance charges for street lighting lamps and fixtures.

The prices in the tariff may reflect minor rounding differences.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 12. MISCELLANEOUS CHANGES TO RATE SCHEDULE SLS:

Effective March 1, 2022, remove all reference and prices for SL_DOM_M from Rate Schedule SLS and add “Effective the first full billing cycle after the following date(s), the charge will be as follows:” in Section V, Subsection A.

Revisions described above are detailed in the attached Rates, Rules and Regulations. _

**Section 13. MISCELLANEOUS UPDATES DUE TO COMMERCIAL
RESTRUCTURE DELAY:**

- a. Effective September 17, 2021, modify Rate Schedule CB by adding “Summer Super Peak Demand Charge” to Section VI, Subsection B.
- b. Effective September 17, 2021, modify Rate Schedule EAPR by adding “Summer Super Peak Demand Charge” to Section V, Subsection A.
- c. Effective September 17, 2021, modify Rate Schedule EDR by adding “Summer Super Peak Demand Charge” to Section III, Subsections A and B.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

**Section 14. MODIFICATIONS TO GENERATOR STANDBY SERVICE
LANGUAGE:**

- a. Effective September 17, 2021, delete Section V, Subsection D, Subsection 2 of Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3 and CI-TOD4.
- b. Effective September 17, 2021, modify the following language in Section V, Subsection D of Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3 and CI-TOD4 as follows:

*The Generator Standby Service Charge will be waived **only** for qualifying **renewable** ~~net metered~~ generation. Refer to **under** Rate Schedules NEM1 and ~~NEM2~~**SSR**.*

- c. Effective March 1, 2022, delete Section IV, Subsection E, Subsection 2 of Rate Schedule R.
- d. Effective March 1, 2022, modify the following language in Section IV, Subsection E of Rate Schedule R as follows:

*The Generator Standby Service Charge will be waived **only** for qualifying **renewable** ~~net metered~~ generation. Refer to **under** Rate Schedules NEM1 and ~~NEM2~~**SSR**.*

e. Effective March 1, 2022, delete Section IV, Subsection D, Subsection 2 of Rate Schedule R-TOD.

f. Effective March 1, 2022, modify the following language in Section IV, Subsection D of Rate Schedule R-TOD as follows:

*The Generator Standby Service Charge will be waived **only** for qualifying **renewable** ~~net metered~~ generation. Refer to **under** Rate Schedules NEM1 and ~~NEM2~~**SSR**.*

g. Effective March 1, 2022, delete Section IV, Subsection A, Subsection 2 of Rate Schedule AG.

h. Effective March 1, 2022, modify the following language in Section IV, Subsection A of Rate Schedule AG as follows:

*The Generator Standby Service Charge will be waived **only** for qualifying **renewable** ~~net metered~~ generation. Refer to **under** Rate Schedules NEM1 and ~~NEM2~~**SSR**.*

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 15. MODIFICATIONS TO RATE SCHEDULE EAPR:

a. Effective September 17, 2021, add “Maximum Demand Charge (kW)” to Section V, Subsection A in Rate Schedule EAPR.

b. Effective January 1, 2022, remove the following language from Section III of Rate Schedule EAPR:

Beginning as early as the first full bill cycle in 2021

c. Effective January 1, 2022, remove the reference to 2021 in the table in Section III, Subsection 2 of Rate Schedule EAPR.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 16. MODIFICATIONS TO RATE SCHEDULE EDR:

Effective September 17, 2021, modify Section IV, Subsection B of Rate Schedule EDR as follows:

*New customers must apply for the EDR option prior to commencement of service with SMUD. Temporary service is not eligible for the EDR option. Applicants will have 12 months from the agreement date to reach the maximum demand of at least 300 kW load requirement. The effective start date for the EDR for new customers is the date of the ~~first meter read for billing~~ **first billing period** after three consecutive months with a maximum demand of at least 300 kW*

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 17. MODIFICATIONS TO RATE SCHEDULE HGA:

a. Effective January 1, 2022, modify Section II, Subsection A of Rate Schedules HGA as follows:

*SMUD estimates that each inch of precipitation results in ~~35,000~~ **30,000** megawatt hours (MWh) of generation.*

b. Effective January 1, 2022, modify Section III, Subsection B of Rate Schedule HGA as follows:

Generation Conversion

$$\pm IPV \times \del{35,000} \mathbf{30,000} \text{ MWh/inch} = \pm \text{MWh}$$

*The variance of hydro generation, in megawatt hours, equals the inches of precipitation variance x ~~35,000~~ **30,000** MWh/inch.*

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 18. MODIFICATIONS TO RATE SCHEDULE RBC:

- a. Effective September 17, 2021, modify Section VI, Subsection C of

Rate Schedule RBC as follows:

*Customers taking service on this Rate Schedule are not eligible to take service on Rate Schedules ~~Net Energy Metering (NEM)~~ **NEM1 or SSR.***

- b. Effective September 17, 2021, add “Summer Peak Demand Charge” to Section IV, Subsection A of Rate Schedule RBC.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 19. UPDATE RULE AND REGULATION 13:

- a. Effective September 17, 2021, modify Section II of Rule and

Regulation 13 as follows:

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

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

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 20. ALTERNATIVE RECOMMENDATION 1: SMUD received a recommendation to back out the “9.2% scalar” built into the original time of day (TOD)

rates in 2017, plus all of the across the board rate increases that have increased that scalar up to about 10.7% before applying the proposed 1.5% and 2.0% rate increases. This Board has considered this alternative recommendation 1 and has determined not to adopt the alternative recommendation for the following reasons:

- This rate action does not address the current residential 2021 rates. This Board approved the current residential 2021 rates in the 2019 rate action.
- The use of a scalar is described in the 2017 CEO & GM Report, under Appendix I. The scalar was used to reconcile marginal cost to achieve a revenue neutral restructured TOD rate design prior to adjusting the rates with the proposed 2018 and 2019 rate increases adopted in 2017.
- Increasing marginal cost rates by a scalar (or equal percentage of marginal cost) is an accepted practice by the industry and is used to ensure sufficient collection of revenue to meet costs.

Section 21. MODIFICATIONS: The Chief Executive Officer and General Manager, or his or her designee, is authorized to make non-substantive revisions to the Rates, Rules and Regulations.

Section 22. ENVIRONMENTAL COMPLIANCE:

1.0 Section 21080(b)(8) of the California Public Resource Code and Section 15273 of the California Environmental Quality Act (CEQA) Guidelines (California Code of Regulations, Title 14, Sections 15000, et seq.) provide, in relevant

part, that CEQA does not apply to the establishment, modification, structuring, restructuring, or approval of rates, tolls, fares, and other charges by public agencies which the public agency finds are for the purposes set forth in (A) through (D) below, and that a public agency shall incorporate written findings in the record in any proceeding in which an exemption is claimed setting forth with specificity the basis for the claim for exemption:

- (A) meeting operating expenses, including employee wage rates and fringe benefits,
- (B) purchasing or leasing supplies, equipment, or materials,
- (C) meeting financial reserve needs and requirements, or
- (D) obtaining funds for capital projects necessary to maintain service within existing service areas.

2.0 This Board finds and declares:

(A) That all revenue produced by each and every one of the rate actions set forth in this Resolution shall exclusively be used for purposes permitted by Sections 21080(b)(8)(A) through (D) of the California Public Resource Code, and that no amount of revenue obtained from this rate increase shall be used for any other purpose. Therefore, all of the foregoing rate actions are exempt from CEQA.

(C) The above findings are based on information set forth in the CEO & GM Report.

Section 23. The new and revised Rate Schedules and Rules and Regulations referenced in this Resolution are attached and incorporated herein as Attachment ____.

Section 24. To the extent there is a discrepancy between this Resolution and the new and revised Rate Schedules and Rules and Regulations attached hereto, the new and revised Rate Schedules and Rules and Regulations shall control.

Rates, Rules and Regulations Effective in 2021

DRAFT
Table of Contents

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

	<u>Effective Date</u>	<u>Sheet Number</u>	<u>Page Number</u>
Table of Contents.....	Sept 17, 2021	i	
Preliminary Statement	Sept 17, 2021	ii	
Section 1 - Rate Schedules			
CB Commercial Industrial Campus Billing.....	Sept 17, 2021	CB-1-3	1
CI-TOD1 Commercial Industrial Time-of-Day	Sept 17, 2021	CI-TOD1-1-8	4
CI-TOD2 Commercial Industrial Time-of-Day	Sept 17, 2021	CI-TOD2-1-8	12
CI-TOD3 Commercial Industrial Time-of-Day	Sept 17, 2021	CI-TOD3-1-8	20
CI-TOD4 Commercial Industrial Time-of-Day	Sept 17, 2021	CI-TOD4-1-8	28
EAPR Energy Assistance Program Rate.....	Sept 17, 2021	EAPR-1-2	36
EDR Economic Development	Sept 17, 2021	EDR-1-2	38
RBC Renewable Energy Bill Credit	Sept 17, 2021	RBC-1-3	40
Section 2 - Rules and Regulations			
13 Temporary Service	Sept 17, 2021	13-1	43

Territory Served by SMUD

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

Description of Service

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

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

Procedure to Obtain Service

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

Establishment of Credit and Deposits

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

General

1. MEASUREMENT OF ELECTRIC ENERGY

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

2. DISCOUNTS

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

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, data management services, auxiliary metering equipment and additional billing services. The Campus Meters Charges vary by service voltage level. Information on the associated monthly charges is available on SMUD’s website, www.smud.org, or will be furnished upon request. SMUD will review this information at least once per year and update as necessary for additional approved equipment, technology improvements and pricing changes.

C. Data Services Meter Rental

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

D. Rate Changes

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

III. Site Infrastructure Charge

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

IV. Conditions of Service

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

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

**Commercial & Industrial Campus Billing
Rate Schedule CB**

- B.** The term “legal entity” means the name on each account must be the same company/organization.
- C.** All meters are on a contiguous site. The parcels of land are physically adjacent; the parcels may be separated by public streets or railways.
- D.** No meter provides sub-metering on campus to third parties.
- E.** All meters are served at the same service voltage. SMUD recognizes the following three voltage classes:
 - 1. Transmission – 69 kV or higher
 - 2. Primary – 12 kV or 21 kV
 - 3. Secondary – all voltages lower than 12 kV
- F.** Each meter is capable of interval metering on each service entrance.
If a meter is not capable of interval metering the customer will be charged for the cost of installing such a meter.
- G.** Agricultural Service and 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 grandfathered under the prior rate option with regard to subsection K, and subsection L. If a grandfathered account requests that additional meters be added to the campus, the addition will be allowed if the service is fed from a substation already part of the campus account.

V. Setting Up a Campus Account

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

VI. Billing

A. Service Rendered

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

Commercial & Industrial Campus Billing Rate Schedule CB

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, 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 Billing or an Energy Advisor. All meters will be converted to single accounts and the corresponding current rates will be assigned based on usage and demand. It may take more than one billing cycle to change the campus account back to individual accounts.

VIII. Reinstating a Campus Billing Account

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

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

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

(End)

**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 is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand that does not exceed 299 kW for three or more consecutive months. 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 categories GSN_T/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 Time-of-Day 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 categories GSS_T/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. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GSN_T and GSS_T) will be closed to new customers October 1, 2021.
2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-0 and CITS-1) beginning the first full billing cycle in October 2021.
3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

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

III. Firm Service Rates

A. Legacy Rates (closed as of October 1, 2021)

	Effective as of January 1, 2021	Effective as of October 1, 2021	Effective as of March 1, 2022
GSN T (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$22.35	\$22.80	\$23.15
Electricity Usage Charge			
All day <i>\$/kWh</i>	\$0.1441	\$0.1470	\$0.1492
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$22.35	n/a	\$23.15
Electricity Usage Charge			
On-Peak <i>\$/kWh</i>	\$0.3327	n/a	\$0.3444
Off-Peak <i>\$/kWh</i>	\$0.1216	n/a	\$0.1260
GSS T (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$27.15	\$27.70	\$28.10
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$8.390	\$8.560	\$8.688
Electricity Usage Charge			
All day <i>\$/kWh</i>	\$0.1131	\$0.1153	\$0.1170
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$27.15	n/a	\$28.10
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$8.390	n/a	\$8.688
Electricity Usage Charge			
On-Peak <i>\$/kWh</i>	\$0.2885	n/a	\$0.2987
Off-Peak <i>\$/kWh</i>	\$0.1001	n/a	\$0.1036

All customers on these rates will be transitioned to the new restructured rates as early as October 1, 2021.

B. GFN Rates

	Effective as of January 1, 2021	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
GFN				
All Year				
System Infrastructure Fixed Charge <i>per month per meter</i>	\$9.95	\$10.15	\$10.30	\$10.50
Electricity Usage Charge				
All day <i>\$/kWh</i>	\$0.1458	\$0.1487	\$0.1509	\$0.1539

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

C. Restructured Commercial & Industrial Time-of-Day Rates

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
CITS-0: C&I Secondary 0-20 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$28.40	\$28.85	\$35.15
Maximum Demand Charge <i>\$ per monthly max kW</i>	\$0.000	\$0.000	\$0.000
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1430	\$0.1451	\$0.1440
Off-Peak <i>\$/kWh</i>	\$0.1393	\$0.1414	\$0.1364
Off-Peak Saver <i>\$/kWh</i>	\$0.1373	\$0.1394	\$0.1323
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$28.40	\$28.85	\$35.15
Maximum Demand Charge <i>\$ per monthly max kW</i>	\$0.000	\$0.000	\$0.000
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.2355	\$0.2390	\$0.2554
Off-Peak <i>\$/kWh</i>	\$0.1331	\$0.1351	\$0.1349
CITS-1: C&I Secondary 21-299 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$88.05	\$89.35	\$158.30
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$7.930	\$8.049	\$7.568
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1169	\$0.1187	\$0.1230
Off-Peak <i>\$/kWh</i>	\$0.1136	\$0.1153	\$0.1158
Off-Peak Saver <i>\$/kWh</i>	\$0.1078	\$0.1094	\$0.1030
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$88.05	\$89.35	\$158.30
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$7.930	\$8.049	\$7.568
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$1.680	\$1.705	\$3.468
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1897	\$0.1925	\$0.1983
Off-Peak <i>\$/kWh</i>	\$0.1102	\$0.1119	\$0.1119

New restructured commercial rates beyond 2023 are effective as shown in Section IX. Transition Schedule.

IV. Electricity Usage Surcharges

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

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

V. Rate Option Menu

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

B. Campus Rates. Refer to Rate Schedule CB.

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

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

D. Generator Standby Service Option

Generator Standby Service applies when the following conditions are met:

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

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2021	\$7.350	\$5.810	\$2.940
Effective October 1, 2021	\$7.500	\$5.920	\$2.990
Effective March 1, 2022	\$7.562	\$6.009	\$3.035
Effective January 1, 2023	\$7.713	\$6.129	\$3.096

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

The Generator Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

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.

VI. Conditions of Service

A. Type of Electric Service

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

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

B. Service Voltage Definition

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

1. *Secondary Service Voltage*

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

2. *Primary Service Voltage*

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

3. *Subtransmission Service Voltage*

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

C. Power Factor Adjustment or Waiver

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

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

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, 2021	\$0.0120
Effective October 1, 2021	\$0.0123
Effective March 1, 2022	\$0.0125
Effective January 1, 2023	\$0.0127

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

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

Waiver Rate per excess KVAR

Effective January 1, 2021	\$0.3193
Effective October 1, 2021	\$0.3257
Effective March 1, 2022	\$0.3306
Effective January 1, 2023	\$0.3372

VII. Billing Periods

A. Legacy Time-of-Use Billing Periods (closed as of October 1, 2021)

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

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

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

Off-peak pricing shall apply during the following holidays:

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

B. Restructured 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

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

Billing periods shall apply during the following holidays:

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

VIII. Billing

A. Meter Data

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

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed Charge, Summer Peak Demand Charge, 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 Time-of-Day
Rate Schedule CI-TOD1**

IX. Transition Schedule

Season and Charge Component	Unit	October 1, 2021	March 1, 2022	January 1, 2023	2024*	2025*	2026*	2027*	2028*
CITS-0: C&I Secondary 0-20 kW									
System Infrastructure Fixed Charge	per month	\$28.40	\$28.85	\$35.15	\$35.65	\$36.15	\$36.60	\$37.10	\$37.60
Maximum Demand Charge	per kW	\$0.000	\$0.000	\$0.000	\$0.694	\$1.387	\$2.081	\$2.775	\$3.468
Non-Summer Peak	per kWh	\$0.1430	\$0.1451	\$0.1440	\$0.1407	\$0.1374	\$0.1341	\$0.1307	\$0.1274
Non-Summer Off-Peak	per kWh	\$0.1393	\$0.1414	\$0.1364	\$0.1300	\$0.1237	\$0.1173	\$0.1110	\$0.1046
Non-Summer Off-Peak Saver	per kWh	\$0.1373	\$0.1394	\$0.1323	\$0.1242	\$0.1163	\$0.1084	\$0.1003	\$0.0923
Summer Peak	per kWh	\$0.2355	\$0.2390	\$0.2554	\$0.2645	\$0.2736	\$0.2827	\$0.2917	\$0.3009
Summer Off-Peak	per kWh	\$0.1331	\$0.1351	\$0.1349	\$0.1324	\$0.1300	\$0.1277	\$0.1253	\$0.1229
CITS-1: C&I Secondary 21-299 kW									
System Infrastructure Fixed Charge	per month	\$88.05	\$89.35	\$158.30	\$225.40	\$292.50	\$359.65	\$425.25	\$425.25
Site Infrastructure Charge	per kW	\$7.930	\$8.049	\$7.568	\$6.916	\$6.274	\$5.622	\$4.969	\$4.969
Summer Peak Demand Charge	per kW	\$1.680	\$1.705	\$3.468	\$5.208	\$6.937	\$8.676	\$10.415	\$10.415
Non-Summer Peak	per kWh	\$0.1169	\$0.1187	\$0.1230	\$0.1249	\$0.1267	\$0.1287	\$0.1306	\$0.1306
Non-Summer Off-Peak	per kWh	\$0.1136	\$0.1153	\$0.1158	\$0.1138	\$0.1119	\$0.1101	\$0.1082	\$0.1082
Non-Summer Off-Peak Saver	per kWh	\$0.1078	\$0.1094	\$0.1030	\$0.0945	\$0.0859	\$0.0773	\$0.0691	\$0.0691
Summer Peak	per kWh	\$0.1897	\$0.1925	\$0.1983	\$0.2001	\$0.2020	\$0.2039	\$0.2057	\$0.2057
Summer Off-Peak	per kWh	\$0.1102	\$0.1119	\$0.1119	\$0.1099	\$0.1079	\$0.1058	\$0.1038	\$0.1038

*Subject to future rate increases. Effective dates as indicated in Section II.

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

***Summer prices effective October 1, 2021 are for informational purposes only and are used as the baseline for 2022.

**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 is mandatory for all commercial and industrial (C&I) accounts with monthly maximum demand of at least 300 kW for three consecutive months, but not greater than 499 kW for three consecutive months during the preceding 12 months. 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 is also mandatory for accounts with contract capacity of at least 300 kW, but not greater than 499 kW. The demand for any month shall be the maximum 15-minute kW delivery during the month.

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

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GUS_S and GUP_S) will be closed to new customers October 1, 2021.
2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-2 and CIP-2) beginning the first full billing cycle in October 2021.
3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

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

III. Firm Service Rates

A. Legacy Rates (closed as of October 1, 2021)

	Effective as of January 1, 2021	Effective as of October 1, 2021	Effective as of March 1, 2022
GUS_S (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$119.45	\$121.85	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$4.200	\$4.280	\$4.344
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1154	\$0.1178	\$0.1196
Off-Peak \$/kWh	\$0.0917	\$0.0935	\$0.0949
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$119.45	n/a	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$4.200	n/a	\$4.344
Summer Peak Demand Charge \$ per monthly Peak max kW	\$8.470	n/a	\$8.770
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.2220	n/a	\$0.2299
On-Peak \$/kWh	\$0.1517	n/a	\$0.1570
Off-Peak \$/kWh	\$0.1206	n/a	\$0.1248
GUP_S (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$119.45	\$121.85	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$3.770	\$3.840	\$3.898
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1089	\$0.1112	\$0.1129
Off-Peak \$/kWh	\$0.0866	\$0.0884	\$0.0897
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$119.45	n/a	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$3.770	n/a	\$3.898
Summer Peak Demand Charge \$ per monthly Peak max kW	\$7.720	n/a	\$7.998
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.2113	n/a	\$0.2187
On-Peak \$/kWh	\$0.1461	n/a	\$0.1512
Off-Peak \$/kWh	\$0.1147	n/a	\$0.1188

All customers on these rates will be transitioned to the new restructured rates as early as October 1, 2021.

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

B. Restructured Commercial & Industrial Time-of-Day Rates

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
CITS-2: C&I Secondary 300-499 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$201.60	\$204.60	\$428.35
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$4.360	\$4.425	\$4.597
Electricity Usage Charge			
Peak \$/kWh	\$0.1194	\$0.1212	\$0.1236
Off-Peak \$/kWh	\$0.0964	\$0.0979	\$0.1000
Off-Peak Saver \$/kWh	\$0.0956	\$0.0970	\$0.0990
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$201.60	\$204.60	\$428.35
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$4.360	\$4.425	\$4.597
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$9.440	\$9.582	\$9.877
Electricity Usage Charge			
Peak \$/kWh	\$0.2153	\$0.2185	\$0.2195
Off-Peak \$/kWh	\$0.1356	\$0.1376	\$0.1333
CITP-2: C&I Primary 300-499 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$154.45	\$156.75	\$204.95
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.640	\$3.695	\$3.551
Electricity Usage Charge			
Peak \$/kWh	\$0.1141	\$0.1158	\$0.1249
Off-Peak \$/kWh	\$0.0924	\$0.0938	\$0.1033
Off-Peak Saver \$/kWh	\$0.0907	\$0.0921	\$0.0939
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$154.45	\$156.75	\$204.95
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.640	\$3.695	\$3.551
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$8.690	\$8.820	\$9.401
Electricity Usage Charge			
Peak \$/kWh	\$0.2075	\$0.2106	\$0.2016
Off-Peak \$/kWh	\$0.1326	\$0.1346	\$0.1277

New restructured commercial rates beyond 2023 are effective as shown in Section IX. Transition Schedule.

IV. 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.

V. Rate Option Menu

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

B. Campus Billing. Refer to Rate Schedule CB.

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

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

D. Generator Standby Service Option

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

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

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2021	\$7.350	\$5.810	\$2.940
Effective October 1, 2021	\$7.500	\$5.920	\$2.990
Effective March 1, 2022	\$7.562	\$6.009	\$3.035
Effective January 1, 2023	\$7.713	\$6.129	\$3.096

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

The Generator Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

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

VI. Conditions of Service

A. Type of Electric Service

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

B. Service Voltage Definition

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

1. Secondary Service Voltage

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

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

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, 2021	\$0.0120
Effective October 1, 2021	\$0.0123
Effective March 1, 2022	\$0.0125
Effective January 1, 2023	\$0.0127

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, 2021	\$0.3193
Effective October 1, 2021	\$0.3257
Effective March 1, 2022	\$0.3306
Effective January 1, 2023	\$0.3372

**Commercial & Industrial Time-of-Day
Rate Schedule CI-TOD2****VII. Commercial & Industrial Time-of-Day Billing Periods****A. Legacy Time-of-Use Billing Periods (closed as of October 1, 2021)**

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

Billing periods shall apply during the following holidays:

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

B. Restructured 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

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

Billing periods shall apply during the following holidays:

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

VIII. Billing

A. Meter Data

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

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, 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)

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

IX. Transition Schedule

Season and Charge Component	Unit	October 1, 2021	March 1, 2022	January 1, 2023	2024*	2025*	2026*	2027*	2028*
CIIS-2: C&I Secondary 300-499 kW									
System Infrastructure Fixed Charge	per month	\$201.60	\$204.60	\$428.35	\$649.65	\$879.70	\$1,116.60	\$1,353.60	\$1,588.80
Site Infrastructure Charge	per kW	\$4.360	\$4.425	\$4.597	\$4.669	\$4.742	\$4.824	\$4.897	\$4.969
Summer Peak Demand Charge	per kW	\$9.440	\$9.582	\$9.877	\$9.980	\$10.094	\$10.198	\$10.301	\$10.415
Non-Summer Peak	per kWh	\$0.1194	\$0.1212	\$0.1236	\$0.1251	\$0.1266	\$0.1281	\$0.1295	\$0.1311
Non-Summer Off-Peak	per kWh	\$0.0964	\$0.0979	\$0.1000	\$0.1015	\$0.1029	\$0.1044	\$0.1059	\$0.1074
Non-Summer Off-Peak Saver	per kWh	\$0.0956	\$0.0970	\$0.0990	\$0.0933	\$0.0873	\$0.0812	\$0.0752	\$0.0691
Summer Peak	per kWh	\$0.2153	\$0.2185	\$0.2195	\$0.2186	\$0.2177	\$0.2168	\$0.2158	\$0.2148
Summer Off-Peak	per kWh	\$0.1356	\$0.1376	\$0.1333	\$0.1277	\$0.1219	\$0.1160	\$0.1101	\$0.1043
CIIP-2: C&I Primary 300-499 kW									
System Infrastructure Fixed Charge	per month	\$154.45	\$156.75	\$204.95	\$249.95	\$297.30	\$297.30	\$297.30	\$297.30
Site Infrastructure Charge	per kW	\$3.640	\$3.695	\$3.551	\$3.344	\$3.127	\$3.127	\$3.127	\$3.127
Summer Peak Demand Charge	per kW	\$8.690	\$8.820	\$9.401	\$9.804	\$10.218	\$10.218	\$10.218	\$10.218
Non-Summer Peak	per kWh	\$0.1141	\$0.1158	\$0.1249	\$0.1333	\$0.1434	\$0.1434	\$0.1434	\$0.1434
Non-Summer Off-Peak	per kWh	\$0.0924	\$0.0938	\$0.1033	\$0.1125	\$0.1235	\$0.1235	\$0.1235	\$0.1235
Non-Summer Off-Peak Saver	per kWh	\$0.0907	\$0.0921	\$0.0939	\$0.0869	\$0.0784	\$0.0784	\$0.0784	\$0.0784
Summer Peak	per kWh	\$0.2075	\$0.2106	\$0.2016	\$0.1918	\$0.1805	\$0.1805	\$0.1805	\$0.1805
Summer Off-Peak	per kWh	\$0.1326	\$0.1346	\$0.1277	\$0.1201	\$0.1113	\$0.1113	\$0.1113	\$0.1113

*Subject to future rate increases. Effective dates as indicated in Section II.

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

***Summer prices effective October 1, 2021 are for informational purposes only and are used as the baseline for 2022.

**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 is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of at least 500 kW for three consecutive months, but not greater than 999 kW for three consecutive months during the preceding 12 months. Accounts will remain on this schedule unless monthly maximum demand falls below 500 kW for 12 consecutive months or exceeds 999 kW for three consecutive months. This schedule is also mandatory for accounts with contract capacity of at least 500 kW, but not greater than 999 kW. The demand for any month will be the maximum 15-minute kW delivery during the month.

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

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GUS_M, GUP_M and GUT_M) will be closed to new customers October 1, 2021.
2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-3, CITP-3, and CITT-3) beginning the first full billing cycle in October 2021.
3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

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

III. Firm Service Rates

A. Legacy Rates (closed as of October 1, 2021)

	Effective as of January 1, 2021	Effective as of October 1, 2021	Effective as of March 1, 2022
GUS_M (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$119.45	\$121.85	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$3.160	\$3.220	\$3.268
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1138	\$0.1161	\$0.1178
Off-Peak \$/kWh	\$0.0900	\$0.0918	\$0.0932
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$119.45	n/a	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$3.160	n/a	\$3.268
Summer Peak Demand Charge \$ per monthly Peak max kW	\$7.710	n/a	\$7.998
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.2156	n/a	\$0.2233
On-Peak \$/kWh	\$0.1485	n/a	\$0.1538
Off-Peak \$/kWh	\$0.1144	n/a	\$0.1183
GUP_M (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$119.45	\$121.85	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$2.790	\$2.850	\$2.893
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1076	\$0.1097	\$0.1113
Off-Peak \$/kWh	\$0.0853	\$0.0870	\$0.0883
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$119.45	n/a	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$2.790	n/a	\$2.893
Summer Peak Demand Charge \$ per monthly Peak max kW	\$7.110	n/a	\$7.359
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.2053	n/a	\$0.2125
On-Peak \$/kWh	\$0.1432	n/a	\$0.1482
Off-Peak \$/kWh	\$0.1088	n/a	\$0.1126
GUT_M (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$316.40	\$322.70	\$327.55
Site Infrastructure Charge per 12 months max kW or contract capacity	\$2.290	\$2.340	\$2.375
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1037	\$0.1058	\$0.1074
Off-Peak \$/kWh	\$0.0835	\$0.0851	\$0.0864
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$316.40	n/a	\$327.55
Site Infrastructure Charge per 12 months max kW or contract capacity	\$2.290	n/a	\$2.375
Summer Peak Demand Charge \$ per monthly Peak max kW	\$0.000	n/a	\$0.000
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.1994	n/a	\$0.2063
On-Peak \$/kWh	\$0.1341	n/a	\$0.1389
Off-Peak \$/kWh	\$0.1071	n/a	\$0.1109

All customers on these rates will be transitioned to the new restructured rates as early as October 1, 2021.

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

B. Restructured Commercial Industrial Time-of-Day Rates

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
CITS-3: C&I Secondary 500-999 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$278.60	\$282.80	\$781.65
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.610	\$3.664	\$4.152
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1183	\$0.1201	\$0.1225
Off-Peak <i>\$/kWh</i>	\$0.0958	\$0.0972	\$0.0992
Off-Peak Saver <i>\$/kWh</i>	\$0.0919	\$0.0933	\$0.0906
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$278.60	\$282.80	\$781.65
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.610	\$3.664	\$4.152
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$9.070	\$9.206	\$9.732
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.2071	\$0.2102	\$0.2111
Off-Peak <i>\$/kWh</i>	\$0.1262	\$0.1281	\$0.1212
CITP-3: C&I Primary 500-999 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$287.15	\$291.45	\$297.30
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.020	\$3.065	\$3.127
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1269	\$0.1288	\$0.1314
Off-Peak <i>\$/kWh</i>	\$0.1102	\$0.1119	\$0.1141
Off-Peak Saver <i>\$/kWh</i>	\$0.0702	\$0.0712	\$0.0727
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$287.15	\$291.45	\$297.30
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.020	\$3.065	\$3.127
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$9.870	\$10.018	\$10.218
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.2058	\$0.2089	\$0.2131
Off-Peak <i>\$/kWh</i>	\$0.1047	\$0.1063	\$0.1084
CITT-3: C&I Subtransmission 500-999 kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$1,195.45	\$1,213.40	\$1,237.65
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.310	\$3.360	\$3.427
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1099	\$0.1115	\$0.1138
Off-Peak <i>\$/kWh</i>	\$0.0918	\$0.0932	\$0.0950
Off-Peak Saver <i>\$/kWh</i>	\$0.0597	\$0.0606	\$0.0618
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$1,195.45	\$1,213.40	\$1,237.65
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.310	\$3.360	\$3.427
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$9.620	\$9.764	\$9.960
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1848	\$0.1876	\$0.1913
Off-Peak <i>\$/kWh</i>	\$0.0890	\$0.0903	\$0.0922

New restructured commercial rates beyond 2023 are effective as shown in Section IX. Transition Schedule.

IV. Electricity Usage Surcharges

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

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

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

V. Rate Option Menu

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

B. Campus Billing. Refer to Rate Schedule CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar Photovoltaic 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. Generator Standby Service Option

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

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

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2021	\$7.350	\$5.810	\$2.940
Effective October 1, 2021	\$7.500	\$5.920	\$2.990
Effective March 1, 2022	\$7.562	\$6.009	\$3.035
Effective January 1, 2023	\$7.713	\$6.129	\$3.096

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

The Generator Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

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.

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

VI. Conditions of Service

A. Type of Electric Service

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

B. Service Voltage Definition

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

1. Secondary Service Voltage

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

2. Primary Service Voltage

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

3. Subtransmission Service Voltage

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

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

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

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

Electricity Usage: the total monthly kWh for the account

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

Power Factor Adjustment Rate

Effective January 1, 2021	\$0.0120
Effective October 1, 2021	\$0.0123
Effective March 1, 2022	\$0.0125
Effective January 1, 2023	\$0.0127

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:

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

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, 2021	\$0.3193
Effective October 1, 2021	\$0.3257
Effective March 1, 2022	\$0.3306
Effective January 1, 2023	\$0.3372

VII. Commercial Industrial Time-of-Day Billing Periods

A. Legacy Time-of-Use Billing Periods (closed as of October 1, 2021)

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

Billing periods shall apply during the following holidays:

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

B. Restructured 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

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

Billing periods shall apply during the following holidays:

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

VIII. Billing

A. Meter Data

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

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, 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-TOD3**

IX. Transition Schedule

Season and Charge Component	Unit	October 1, 2021	March 1, 2022	January 1, 2023	2024*	2025*
CITS-3: C&I Secondary 500-999 kW						
System Infrastructure Fixed Charge	per month	\$278.60	\$282.80	\$781.65	\$1,440.30	\$2,098.90
Site Infrastructure Charge	per kW	\$3.610	\$3.664	\$4.152	\$4.566	\$4.969
Summer Peak Demand Charge	per kW	\$9.070	\$9.206	\$9.732	\$10.073	\$10.415
Non-Summer Peak	per kWh	\$0.1183	\$0.1201	\$0.1225	\$0.1241	\$0.1261
Non-Summer Off-Peak	per kWh	\$0.0958	\$0.0972	\$0.0992	\$0.1017	\$0.1040
Non-Summer Off-Peak Saver	per kWh	\$0.0919	\$0.0933	\$0.0906	\$0.0788	\$0.0673
Summer Peak	per kWh	\$0.2071	\$0.2102	\$0.2111	\$0.2084	\$0.2058
Summer Off-Peak	per kWh	\$0.1262	\$0.1281	\$0.1212	\$0.1108	\$0.1003
CITP-3: C&I Primary 500-999 kW						
System Infrastructure Fixed Charge	per month	\$287.15	\$291.45	\$297.30	\$297.30	\$297.30
Site Infrastructure Charge	per kW	\$3.020	\$3.065	\$3.127	\$3.127	\$3.127
Summer Peak Demand Charge	per kW	\$9.870	\$10.018	\$10.218	\$10.218	\$10.218
Non-Summer Peak	per kWh	\$0.1269	\$0.1288	\$0.1314	\$0.1314	\$0.1314
Non-Summer Off-Peak	per kWh	\$0.1102	\$0.1119	\$0.1141	\$0.1141	\$0.1141
Non-Summer Off-Peak Saver	per kWh	\$0.0702	\$0.0712	\$0.0727	\$0.0727	\$0.0727
Summer Peak	per kWh	\$0.2058	\$0.2089	\$0.2131	\$0.2131	\$0.2131
Summer Off-Peak	per kWh	\$0.1047	\$0.1063	\$0.1084	\$0.1084	\$0.1084
CITT-3: C&I Subtransmission 500-999 kW						
System Infrastructure Fixed Charge	per month	\$1,195.45	\$1,213.40	\$1,237.65	\$1,237.65	\$1,237.65
Site Infrastructure Charge	per kW	\$3.310	\$3.360	\$3.427	\$3.427	\$3.427
Summer Peak Demand Charge	per kW	\$9.620	\$9.764	\$9.960	\$9.960	\$9.960
Non-Summer Peak	per kWh	\$0.1099	\$0.1115	\$0.1138	\$0.1138	\$0.1138
Non-Summer Off-Peak	per kWh	\$0.0918	\$0.0932	\$0.0950	\$0.0950	\$0.0950
Non-Summer Off-Peak Saver	per kWh	\$0.0597	\$0.0606	\$0.0618	\$0.0618	\$0.0618
Summer Peak	per kWh	\$0.1848	\$0.1876	\$0.1913	\$0.1913	\$0.1913
Summer Off-Peak	per kWh	\$0.0890	\$0.0903	\$0.0922	\$0.0921	\$0.0921

*Subject to future rate increases. Effective dates as indicated in Section II.

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

***Summer prices effective October 1, 2021 are for informational purposes only and are used as the baseline for 2022.

**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 is mandatory for all agricultural, commercial and industrial (C&I) accounts with monthly maximum demand of 1,000 kW or greater for three consecutive months during the preceding 12 months. Accounts will remain on this rate schedule unless monthly maximum demand falls below 1,000 kW for 12 consecutive months. The demand for any month will be the maximum 15-minute kW delivery during the month. This schedule is also mandatory for accounts with contract capacity of 1,000 kW or greater.

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

II. Transition to Restructured Commercial & Industrial Time-of-Day Rates

1. The Legacy commercial rates (GUS_L, GUP_L, GUT_L) will be closed to new customers October 1, 2021.
2. Existing customers on the Legacy commercial rates will gradually transition as determined by SMUD to the new restructured Commercial & Industrial Time-of-Day rates (CITS-4, CITP-4, and CITT-4) beginning the first full billing cycle in October 2021.
3. Once a customer has been transitioned to the new restructured Commercial & Industrial Time-of-Day rate, they cannot return to the closed Legacy rate(s).

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

III. Firm Service Rates

A. Legacy Rates (closed as of October 1, 2021)

	Effective as of January 1, 2021	Effective as of October 1, 2021	Effective as of March 1, 2022
GUS_L (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$119.45	\$121.85	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$4.450	\$4.540	\$4.608
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1194	\$0.1218	\$0.1236
Off-Peak \$/kWh	\$0.0946	\$0.0965	\$0.0979
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$119.45	n/a	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$4.450	n/a	\$4.608
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.1860	n/a	\$0.1925
On-Peak \$/kWh	\$0.1484	n/a	\$0.1537
Off-Peak \$/kWh	\$0.1187	n/a	\$0.1229
GUP_L (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$119.45	\$121.85	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$4.270	\$4.350	\$4.415
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1136	\$0.1159	\$0.1176
Off-Peak \$/kWh	\$0.0885	\$0.0903	\$0.0917
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$119.45	n/a	\$123.70
Site Infrastructure Charge per 12 months max kW or contract capacity	\$4.270	n/a	\$4.415
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.1533	n/a	\$0.1587
On-Peak \$/kWh	\$0.1395	n/a	\$0.1444
Off-Peak \$/kWh	\$0.1083	n/a	\$0.1122
GUT_L (closed October 1, 2021)			
Winter Season (January - May)			
System Infrastructure Fixed Charge per month per meter	\$316.40	\$322.70	\$327.55
Site Infrastructure Charge per 12 months max kW or contract capacity	\$3.400	\$3.460	\$3.512
Electricity Usage Charge			
On-Peak \$/kWh	\$0.1095	\$0.1117	\$0.1134
Off-Peak \$/kWh	\$0.0865	\$0.0882	\$0.0895
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	\$316.40	n/a	\$327.55
Site Infrastructure Charge per 12 months max kW or contract capacity	\$3.400	n/a	\$3.512
Electricity Usage Charge			
Super-Peak \$/kWh	\$0.1489	n/a	\$0.1541
On-Peak \$/kWh	\$0.1309	n/a	\$0.1355
Off-Peak \$/kWh	\$0.1068	n/a	\$0.1105

All customers on these rates will be transitioned to the new restructured rates as early as October 1, 2021.

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

B. Restructured Commercial Industrial Time-of-Day Rates

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
CITS-4: C&I Secondary 1000+ kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$1,181.05	\$1,198.75	\$2,319.35
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$4.630	\$4.699	\$4.876
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1230	\$0.1248	\$0.1284
Off-Peak <i>\$/kWh</i>	\$0.0996	\$0.1011	\$0.1048
Off-Peak Saver <i>\$/kWh</i>	\$0.0939	\$0.0953	\$0.0833
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$1,181.05	\$1,198.75	\$2,319.35
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$4.630	\$4.699	\$4.876
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$3.350	\$3.400	\$6.937
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1905	\$0.1934	\$0.2048
Off-Peak <i>\$/kWh</i>	\$0.1208	\$0.1226	\$0.1143
CITP-4: C&I Primary 1000+ kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$204.50	\$207.55	\$297.30
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$4.300	\$4.365	\$4.400
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1205	\$0.1223	\$0.1295
Off-Peak <i>\$/kWh</i>	\$0.0965	\$0.0979	\$0.1051
Off-Peak Saver <i>\$/kWh</i>	\$0.0832	\$0.0845	\$0.0679
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$204.50	\$207.55	\$297.30
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$4.300	\$4.365	\$4.400
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$4.930	\$5.004	\$10.218
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1733	\$0.1759	\$0.1997
Off-Peak <i>\$/kWh</i>	\$0.1078	\$0.1094	\$0.1014
CITT-4: C&I Subtransmission 1000+ kW			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$1,081.85	\$1,098.10	\$1,178.85
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.410	\$3.461	\$3.479
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1155	\$0.1173	\$0.1228
Off-Peak <i>\$/kWh</i>	\$0.0933	\$0.0947	\$0.0998
Off-Peak Saver <i>\$/kWh</i>	\$0.0854	\$0.0867	\$0.0774
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$1,081.85	\$1,098.10	\$1,178.85
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>	\$3.410	\$3.461	\$3.479
Summer Peak Demand Charge <i>\$ per monthly Peak max kW</i>	\$3.210	\$3.258	\$6.636
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1568	\$0.1592	\$0.1699
Off-Peak <i>\$/kWh</i>	\$0.1074	\$0.1090	\$0.1050

New restructured commercial rates beyond 2023 are effective as shown in Section IX. Transition Schedule.

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

IV. 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.

V. Rate Option Menu

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

B. Campus Billing. Refer to Rate Schedule CB.

C. Implementation of Energy Efficiency Program or Installation of New Solar/Photovoltaic 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. Generator Standby Service Option

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

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

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective January 1, 2021	\$7.350	\$5.810	\$2.940
Effective October 1, 2021	\$7.500	\$5.920	\$2.990
Effective March 1, 2022	\$7.562	\$6.009	\$3.035
Effective January 1, 2023	\$7.713	\$6.129	\$3.096

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

The Generator Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

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.

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

VI. Conditions of Service

A. Type of Electric Service

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

B. Service Voltage Definition

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

1. Secondary Service Voltage

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

2. Primary Service Voltage

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

3. Subtransmission Service Voltage

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

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

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

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

Electricity Usage: the total monthly kWh for the account

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

Power Factor Adjustment Rate

Effective January 1, 2021	\$0.0120
Effective October 1, 2021	\$0.0123
Effective March 1, 2022	\$0.0125
Effective January 1, 2023	\$0.0127

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:

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

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, 2021	\$0.3193
Effective October 1, 2021	\$0.3257
Effective March 1, 2022	\$0.3306
Effective January 1, 2023	\$0.3372

VII. Commercial Industrial Time-of-Day Billing Periods

A. Legacy Time-of-Use Billing Periods (closed as of October 1, 2021)

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

Billing periods shall apply during the following holidays:

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

B. Restructured 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

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

Billing periods shall apply during the following holidays:

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

VIII. Billing

A. Meter Data

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

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, 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)

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

IX. Transition Schedule

Season and Charge Component	Unit	October 1, 2021	March 1, 2022	January 1, 2023	2024*
CITS-4: C&I Secondary 1000+ kW					
System Infrastructure Fixed Charge	per month	\$1,181.05	\$1,198.75	\$2,319.35	\$3,496.60
Site Infrastructure Charge	per kW	\$4.630	\$4.699	\$4.876	\$4.969
Summer Peak Demand Charge	per kW	\$3.350	\$3.400	\$6.937	\$10.415
Non-Summer Peak	per kWh	\$0.1230	\$0.1248	\$0.1284	\$0.1294
Non-Summer Off-Peak	per kWh	\$0.0996	\$0.1011	\$0.1048	\$0.1064
Non-Summer Off-Peak Saver	per kWh	\$0.0939	\$0.0953	\$0.0833	\$0.0686
Summer Peak	per kWh	\$0.1905	\$0.1934	\$0.2048	\$0.2124
Summer Off-Peak	per kWh	\$0.1208	\$0.1226	\$0.1143	\$0.1033
CITP-4: C&I Primary 1000+ kW					
System Infrastructure Fixed Charge	per month	\$204.50	\$207.55	\$297.30	\$297.30
Site Infrastructure Charge	per kW	\$4.300	\$4.365	\$4.400	\$4.400
Summer Peak Demand Charge	per kW	\$4.930	\$5.004	\$10.218	\$10.218
Non-Summer Peak	per kWh	\$0.1205	\$0.1223	\$0.1295	\$0.1295
Non-Summer Off-Peak	per kWh	\$0.0965	\$0.0979	\$0.1051	\$0.1051
Non-Summer Off-Peak Saver	per kWh	\$0.0832	\$0.0845	\$0.0679	\$0.0678
Summer Peak	per kWh	\$0.1733	\$0.1759	\$0.1997	\$0.1997
Summer Off-Peak	per kWh	\$0.1078	\$0.1094	\$0.1014	\$0.1014
CITT-4: C&I Subtransmission 1000+ kW					
System Infrastructure Fixed Charge	per month	\$1,081.85	\$1,098.10	\$1,178.85	\$1,237.65
Site Infrastructure Charge	per kW	\$3.410	\$3.461	\$3.479	\$3.427
Summer Peak Demand Charge	per kW	\$3.210	\$3.258	\$6.636	\$9.960
Non-Summer Peak	per kWh	\$0.1155	\$0.1173	\$0.1228	\$0.1260
Non-Summer Off-Peak	per kWh	\$0.0933	\$0.0947	\$0.0998	\$0.1030
Non-Summer Off-Peak Saver	per kWh	\$0.0854	\$0.0867	\$0.0774	\$0.0666
Summer Peak	per kWh	\$0.1568	\$0.1592	\$0.1699	\$0.1775
Summer Off-Peak	per kWh	\$0.1074	\$0.1090	\$0.1050	\$0.0987

*Subject to future rate increases. Effective dates as indicated in Section II.

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

***Summer prices effective October 1, 2021 are for informational purposes only and are used as the baseline for 2022.

**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 beginning as early as the first full bill cycle in 2021. The EAPR discount will include two components:

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

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

IV. Eligibility for Nonprofit Organizations

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

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

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

V. Discount for Nonprofit Organization

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

**Residential and Commercial & Industrial
Energy Assistance Program
Rate Schedule EAPR**

Eligible commercial customers will receive discounts as follows:

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Maximum Demand Charge (kW), Site Infrastructure Charge (kW), Summer Super Peak Demand 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 1–HGA.

VII. Conditions of Service

A. Application

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

Residential applications are available at SMUD’s website, www.smud.org, or by calling SMUD customer service at 1-888-742-7683.

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

B. Verification

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

VIII. Billing

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

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

(End)

**Economic Development
Rate Schedule EDR**

I. Applicability

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

II. Eligibility

- A. Eligible customers are those taking service under Rate Schedules CI-TOD2, CI-TOD3 or CI-TOD4.
- B. Third party verification by a leading Sacramento area economic development organization will validate the legitimacy of the attraction, retention or expansion effort. The following criteria may be considered in the decision process:
 - 1. Alternative locations under consideration (within and outside of California)
 - 2. Workforce requirements
 - 3. Other tax or cash incentives
 - 4. Logistical requirements
 - 5. Infrastructure or site improvement costs
 - 6. Timeline for creating new load and jobs

III. Pricing Structures

- A. Eligible customers have two options (either Option A or B) to receive a reduction of the System Infrastructure Fixed Charge, Site Infrastructure Charge, Summer Super Peak Demand Charge, Summer Peak Demand Charge and electricity usage charges on their bill, based on the table below.

<i>Economic Development Discount</i>										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Option A	6.0%	6.0%	6.0%	6.0%	6.0%	5.0%	4.0%	3.0%	2.0%	1.0%
Option B	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

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

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

IV. Conditions of Service

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

**Economic Development
Rate Schedule EDR**

- B.** New customers must apply for the EDR option prior to commencement of service with SMUD. Temporary service is not eligible for the EDR option. Applicants will have 12 months from the agreement date to reach the maximum demand of at least 300 kW load requirement. The effective start date for the EDR for new customers is the first billing period after three consecutive months with a maximum demand of at least 300 kW.

- C.** Existing customers must apply for the EDR option prior to the installation of new load with only additional load qualifying for the EDR. Existing customers specify in the Economic Development Rate Option Agreement the date when the new load will be added. The effective start date of the EDR is the first billing period following the specified date of load addition.

- D.** Retention customers will require the execution of a certificate by a company executive and/or owner certifying that the company is exploring other locations and electricity costs are a factor in its decision to do business in a location. The certification requires review and verification by a senior executive of a leading Sacramento area economic development organization. Retention customers specify in the Economic Development Rate Option Agreement the date when the existing load will be retained with only the portion of load deemed likely to relocate or cease operations qualifying for the EDR. The effective start date is the first billing period with the EDR following the specified date of the retained load.

(End)

DRAFT
Renewable Energy Bill Credit
Rate Schedule RBC

I. Applicability

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

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

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

II. Conditions of Service

A. General Eligibility Requirements

The following are requirements for eligibility under this Rate Schedule:

1. The generation facility must be located entirely on the customer's premise; and
2. The generation facility must operate in parallel with SMUD's distribution facilities at the secondary voltage level; and
3. The customer must meet all requirements of Rule and Regulation 21; and
4. The generation facility's kilowatt hour generating capacity shall not exceed the electrical load's average maximum demand for the prior twelve (12) month period at the time of interconnection; and
5. The generation facility is located at a distinct single metering point separate from the electrical load; and
6. Both the electrical load and the generation facility are on the same distribution feeder; and
7. The generating capacity does not exceed a maximum of 1,000 kilowatts.

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

B. Qualifying Accounts and Customer-of-Record Requirements

Any customer taking service under this Rate Schedule must have a generation meter to establish a generator account and an electrical load meter to establish a benefiting account.

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

**Renewable Energy Bill Credit
Rate Schedule RBC**

Both accounts must be the same customer-of-record.

C. Generator Account

A generator account is the account that consists of a renewable electrical generation facility interconnected with SMUD behind a revenue grade meter. The generator account must not service any load other than what is necessary for the operation of the renewable electrical generation facility.

Any load used by the generation facility will apply to offset any generation produced by the generation facility. In the event there is an insufficient amount of load used by the generation facility to be offset by the generation, SMUD reserves the right to bill for the electricity used.

D. Benefiting Account

A benefiting account is an account that is interconnected with and takes service from SMUD behind a meter. A benefiting account cannot benefit from more than one generator account.

III. Renewable Energy

Electricity provided from the generator account to SMUD shall be priced at the applicable Feed-In Tariff price in accordance with the methodology set forth in the Feed-In Tariff for Distributed Generation Rate Schedule (FIT). The price will be posted on the SMUD website.

This price will not change in the event of changes in the customer-of-record on the account, the ownership of the generation facility, and/or ownership of the property. To take service under this Rate Schedule, the owner of the generation facility shall execute a contract with SMUD. The contract shall be offered for durations of either ten (10) or fifteen (15) years at the option of the customer. The customer must transfer all renewable energy attributes to SMUD associated with this generation facility during the term of the contract.

IV. Crediting of Renewable Energy

For the purposes of this schedule a “month” is considered to be a single billing period of 27 to 34 days. Both the generation account and benefiting account will be placed on the same billing period.

- A. All charges of the generator account and the benefiting account must be paid monthly. This includes, without limitation, the System Infrastructure Fixed Charge, Electricity Usage charges, Maximum Demand Charge, Summer Peak Demand Charge, Summer Super Peak Demand Charge, Site Infrastructure Charge, program fees, surcharges and taxes.
- B. All of the electricity output from the generation facility will post on the benefiting account’s bill as a renewable energy bill credit.
- C. Under no circumstances will the renewable energy bill credits exceed the amount of electricity usages charges billed within a month.

V. Metering

A. Metering Requirement for the Generator Account

The generator account must be metered using a revenue-grade interval meter capable of measuring the renewable electrical generation facility’s output in fifteen minute increments or smaller. The customer is responsible for all costs for the provisioning and installation of the meter.

In the event the generator account is found to have load that is not solely related to the renewable electrical generation facility, SMUD reserves the right to require the customer to install a bi-directional SMUD meter and a generation output meter. The customer will be responsible for installing a meter socket for the generation output meter and provide SMUD unrestricted access to both the bi-directional meter and the generation output meter. The customer is responsible for reimbursing SMUD for all expenses associated with this metering requirement.

**Renewable Energy Bill Credit
Rate Schedule RBC**

B. Telemetry Requirement for the Generator Account

Customers operating under this schedule may, at SMUD’s sole discretion, be required to pay for the installation of telemetry if telemetry is determined necessary as part of the interconnection review.

C. Metering Requirement for the Benefiting Account

The benefiting account must be metered in accordance with the applicable rate that would otherwise apply as if the benefiting account was not taking service under this Rate Schedule.

VI. Special Billing Conditions

A. Generator Account Subject to Charges

The generator account is subject to charges each billing period such as, but not limited to, Electricity Usage Charges, a System Infrastructure Fixed Charge, Maximum Demand Charges, Summer Peak Demand Charges, Summer Super Peak Demand Charges, and Site Infrastructure Charges, program fees, surcharges and taxes as identified in the generator account’s applicable Rate Schedule.

B. Benefiting Account and Rate Treatment

Each benefiting account will remain on the otherwise applicable Rate Schedule for residential master-metered service.

C. Ineligible Rate Options

Customers taking service on this Rate Schedule are not eligible to take service on Rate Schedules NEM1 or SSR.

(End)

DRAFT
Temporary Service
Rule and Regulation 13

I. Conditions for Temporary Service

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

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

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

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

II. Refund of Temporary Charges

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

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

(End)

Rates, Rules and Regulations Effective in 2022

DRAFT

Table of Contents

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

	<u>Effective Date</u>	<u>Sheet Number</u>	<u>Page Number</u>
Table of Contents.....	Sept 17, 2021	i	
Preliminary Statement	Sept 17, 2021	ii	
Section 1 - Rate Schedules			
AG Agricultural	Jan 1, 2022	AG-1-6	1
CHP Combined Heat & Power Distributed Generation	Mar 1, 2022	CHP-1-3	7
DWS Distribution Wheeling Service	Mar 1, 2022	DWS-1-2	10
EAPR Energy Assistance Program Rate.....	Jan 1, 2022	EAPR-1-2	12
GS-TDP General Service Temperature Dependent Pricing and Economic Retention	Mar 1, 2022	GS-TDP-1-4	14
HGA Hydro Generation Adjustment	Jan 1, 2022	HGA-1-2	18
NLGT Outdoor Lighting Service	Mar 1, 2022	NLGT-1-2	20
R Residential Service	Jan 1, 2022	R-1-4	22
R-TOD Residential Time-Of-Day Service	Jan 1, 2022	R-TOD-1-6	26
SLS Street Light Service	Mar 1, 2022	SLS-1-4	32
TC ILS Traffic Control – Intersection Lighting Service	Mar 1, 2022	TC ILS-1	36
TSS Traffic Signal Service	Mar 1, 2022	TSS-1	37

Territory Served by SMUD

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

Description of Service

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

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

Procedure to Obtain Service

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

Establishment of Credit and Deposits

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

General

1. MEASUREMENT OF ELECTRIC ENERGY

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

2. DISCOUNTS

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

DRAFT
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 October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
ASN			
Winter Season (November - April)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$12.40	\$12.60	\$12.85
Electricity Usage Charge			
<i>All day \$/kWh</i>	\$0.1378	\$0.1398	\$0.1428
Summer Season (May - October)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$12.60	\$12.85
Electricity Usage Charge	n/a		
<i>All day \$/kWh</i>		\$0.1534	\$0.1564

DRAFT
Agricultural Service
Rate Schedule AG

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 October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
ASD			
Winter Season (November - April)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$28.80	\$29.25	\$29.80
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>			
First 30kW	No Charge	No Charge	No Charge
Additional kW per month	\$2.850	\$2.893	\$2.951
Electricity Usage Charge			
Base Usage <i>8,750 kWh per month</i>	\$0.1526	\$0.1549	\$0.1580
Base Usage Plus <i>kWh over 8,750 per month</i>	\$0.1198	\$0.1216	\$0.1240
Summer Season (May - October)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$29.25	\$29.80
Site Infrastructure Charge <i>per 12 months max kW or contract capacity</i>			
First 30kW	n/a	No Charge	No Charge
Additional kW per month	n/a	\$2.893	\$2.951
Electricity Usage Charge			
Base Usage <i>8,750 kWh per month</i>	n/a	\$0.1484	\$0.1514
Base Usage Plus <i>kWh over 8,750 per month</i>	n/a	\$0.1074	\$0.1095

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 October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
AON			
Winter Season (November - April)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$16.65	\$16.90	\$17.25
Electricity Usage Charge			
On-peak <i>\$/kWh</i>	\$0.1585	\$0.1609	\$0.1641
Off-peak <i>\$/kWh</i>	\$0.1351	\$0.1371	\$0.1399
Summer Season (May - October)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$16.90	\$17.25
Electricity Usage Charge			
On-peak <i>\$/kWh</i>	n/a	\$0.2332	\$0.2379
Off-peak <i>\$/kWh</i>	n/a	\$0.1254	\$0.1279

DRAFT
Agricultural Service
Rate Schedule AG

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 October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
AOD			
Winter Season (November - April)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$100.25	\$101.75	\$103.80
Maximum Demand Charge <i>\$ per monthly max kW</i>	\$2.840	\$2.883	\$2.940
Electricity Usage Charge			
On-peak <i>\$/kWh</i>	\$0.1578	\$0.1602	\$0.1634
Off-peak <i>\$/kWh</i>	\$0.1340	\$0.1360	\$0.1388
Summer Season (May - October)			
System Infrastructure Fixed Charge <i>per month per meter</i>		\$101.75	\$103.80
Maximum Demand Charge <i>\$ per monthly max kW</i>		\$4.030	\$4.110
Electricity Usage Charge			
On-peak <i>\$/kWh</i>		\$0.2478	\$0.2528
Off-peak <i>\$/kWh</i>		\$0.1322	\$0.1348

III. Electricity Usage Surcharges

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

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

IV. Rate Option Menu

A. Generator Standby Service Option

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

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

Generator Standby Service Charge by Voltage Level (\$/kW of Contract Capacity per month)	Secondary	Primary	Subtransmission
Effective October 1, 2021	\$7.500	\$5.920	\$2.990
Effective March 1, 2022	\$7.562	\$6.009	\$3.035
Effective January 1, 2023	\$7.713	\$6.129	\$3.096

DRAFT
Agricultural Service
Rate Schedule AG

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

The Generator Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

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. 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.

DRAFT
Agricultural Service
Rate Schedule AG

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:

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

Electricity Usage: the total monthly kWh for the account

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

Power Factor Adjustment Rate

Effective October 1, 2021	\$0.0123
Effective March 1, 2022	\$0.0125
Effective January 1, 2023	\$0.0127

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

Customers may apply for a power factor waiver contract that compensates SMUD for the power factor correction for the portion that is covered under the contract. The power factor waiver is not available to customers taking service at the subtransmission service voltage level. The waiver amount per month is calculated:

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

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

Waiver Rate per excess KVAR

Effective October 1, 2021	\$0.3257
Effective March 1, 2022	\$0.3306
Effective January 1, 2023	\$0.3372

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.

DRAFT
Agricultural Service
Rate Schedule AG

Off-peak pricing shall apply during the following holidays:

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

VI. Billing

A. Meter Data

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

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one price. The 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)

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

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

III. Charges

A. Reserved Capacity Charge

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

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

Reserved Capacity Rate per kW	Secondary	Primary	Subtransmission
Effective March 1, 2022	\$7.278	\$7.278	\$6.993
Effective January 1, 2023	\$7.423	\$7.423	\$7.133

1. Maximum Anticipated Demand

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

2. Generator Installed Capacity

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

3. Reset of Reserved Capacity Basis

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

B. Data Communications Charges

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

C. Other Charges

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

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

IV. Conditions of Service

A. Eligible CHP Facility

To be eligible for this schedule, the CHP facility shall maintain without interruption certification by the California Energy Commission (CEC) as outlined in the CEC’s “Guidelines for Certification of Combined Heat and Power Systems Pursuant to the Waste Heat and Carbon Emissions Reduction Act - Public Utilities Code, Section 2840 *Et Seq.*” CHP systems placed into operation before January 1, 2008 are not eligible for this schedule.

B. Territory

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

C. Required Contract

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

D. Participation in Other SMUD Programs

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

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

E. Electrical Interconnection

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

F. Metering Requirements

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

G. Energy and Green Attributes

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

(End)

**Distribution Wheeling Service
Rate Schedule DWS**

I. Applicability

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

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

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

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

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

II. Rates

Distribution Wheeling Charge

Effective March 1, 2022	\$10.934	\$1.703
Effective January 1, 2023	\$11.152	\$1.737

* 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.

DRAFT
Distribution Wheeling Service
Rate Schedule DWS

F. Definitions

The following definitions apply to this schedule:

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

G. Electrical Interconnection

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

H. Metering Requirements

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

IV. Line Losses

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

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

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

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

(End)

**Residential and 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 two components:

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

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

IV. Eligibility for Nonprofit Organizations

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

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

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

V. Discount for Nonprofit Organization

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

**Residential and Commercial & Industrial
Energy Assistance Program
Rate Schedule EAPR**

Eligible commercial customers will receive discounts as follows:

- A. All eligible commercial customers will receive a discount of 15 percent of the Electricity Usage Charge (kWh), Maximum Demand Charge (kW), Site Infrastructure Charge (kW), Summer Peak Demand Charge (kW), and Summer Super 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 March 1, 2022	Effective as of January 1, 2023
GS-TDP		
Winter Season (January - May)		
System Infrastructure Fixed Charge per month per meter	\$327.55	\$334.10
Site Infrastructure Charge per 12 months max kW or contract capacity	\$0.639	\$0.652
Electricity Usage Charge		
On-peak \$/kWh	\$0.1134	\$0.1156
Off-peak \$/kWh	\$0.0810	\$0.0826
Summer Season (June - September)		
System Infrastructure Fixed Charge per month per meter	\$327.55	\$334.10
Site Infrastructure Charge per 12 months max kW or contract capacity	\$0.639	\$0.652
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	\$6.577	\$6.709
"Extremely Hot" if T ≥ 100° for a single day; or	\$6.181	\$6.305
"Very Hot" if 100° > T > 95° for a single day; or	\$1.147	\$1.170
"Mild to Hot" if 95° ≥ T	No Charge	No Charge
Electricity Usage Charge		
Super-peak \$/kWh	\$0.1541	\$0.1572
On-peak \$/kWh	\$0.1355	\$0.1382
Off-peak \$/kWh	\$0.1019	\$0.1039

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.

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

Minimum Demand Charge Day

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

Notification of Minimum Demand Charge Day

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

III. Electricity Usage Surcharges

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

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

IV. Rate Option Menu

A. SMUD Renewable Energy Option

SMUD offers optional programs that allow customers to receive renewable energy for an additional charge, detailed on www.smud.org

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.

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

C. Power Factor Adjustment or Waiver

1. Adjustment (charge per month varies)

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

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 March 1, 2022	\$0.0125
Effective January 1, 2023	\$0.0127

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 March 1, 2022	\$0.3306
Effective January 1, 2023	\$0.3372

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:

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

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

VI. Billing

A. Meter Data

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

B. Proration of Charges

Charges are prorated when the billing period is less than 27 days, more than 34 days or spans more than one 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 the Upper American River Project (UARP) and impacts the SMUD budget.

II. Conditions

- A. SMUD estimates that each inch of precipitation results in 30,000 megawatt hours (MWh) of generation.
- B. The HGA precipitation period begins April 1 of the previous year and ends on March 31 of the current year (Water Year).
- C. The actual inches of precipitation (AP) for each period shall be measured at the National Weather Service Pacific House Cooperative Observer measuring station or suitable replacement.
- D. The AP will be compared to the 50-year median (midpoint) inches of precipitation (MP) measured at Pacific House.
- E. The price of power delivered into the area designated as North Path 15 (NP15) will be used to determine the dollar impact of any excess or shortfall of energy. If NP15 is no longer available, then a suitable replacement will be used.
- F. The AP will be capped at a maximum of 80 inches per Water Year to accommodate for spill.

III. Budget Impact Determination

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

A. Precipitation Variance

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

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

B. Generation Conversion

$$\pm \text{IPV} \quad \times \quad 30,000 \text{ MWh/inch} \quad = \quad \pm \text{MWh}$$

The variance of hydro generation, in megawatt hours, equals the inches of precipitation variance x 30,000 MWh/inch.

C. Calculation of Budget Effects

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

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

IV. Hydro Rate Stabilization Fund

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

V. Budget Impact Limitations

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

**Hydro Generation Adjustment
Rate Schedule HGA**

VI. Rate Charges

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

HRSF – BI = Calculated HRSF

A. If Calculated HRSF is < 0

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

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

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

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

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

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

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

VII. Application

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

(End)

DRAFT
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 March 1, 2022	Effective as of January 1, 2023
NLGT		
Electricity and Switching Charge <i>\$ per watt of connected load</i>	\$0.0302	\$0.0309

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.

DRAFT
Outdoor Night Lighting Service
Rate Schedule NLGT

B. Proration of Charges

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

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)

DRAFT
Residential Service
Rate Schedule R

I. Applicability

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

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

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

A. Fixed Rate (rate category RF01)

1. The Fixed Rate is the alternative rate to SMUD’s Time-of-Day (TOD) (5-8 p.m.) Rate (rate category RT02) under Rate Schedule R-TOD.
2. The Fixed Rate is required for customers serviced with analog meters and digital non-communicating meters.
3. Customers who qualify for Rate Schedule NEM1 and have an eligible renewable electrical generation facility that was approved for installation prior to January 1, 2018 are eligible to enroll in the Fixed Rate 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.
8. The Fixed Rate will be used for the collection of revenue associated with unauthorized use of residential electric service regardless of the date(s) or time(s) in which the use occurred.

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

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

DRAFT
Residential Service
Rate Schedule R

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

1. This rate is closed to new customers unless SMUD determines that it is not reasonable or feasible to provide service and meter the individual units directly.
2. The master-metered customer's electricity consumption will be billed using the total kWh usage of the master-meter divided by the number of occupied single-family accommodations. The billing calculation will include applicable discounts to all kWh Usage Charges and System Infrastructure Fixed Charge (SIFC) for qualifying energy assistance and medical equipment discount program participants. The customer must advise SMUD within 15 days following any change in the number of occupied single-family accommodations wired for electric service.

II. Firm Service Rates

A. Fixed Rate Customers (rate category RF01)

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
Fixed Rate (RF01)			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$22.70	\$23.05	\$23.50
Electricity Usage Charge			
All kWh usage per month <i>\$/kWh</i>	\$0.1153	\$0.1170	\$0.1194
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$23.05	\$23.50
Electricity Usage Charge			
All kWh usage per month <i>\$/kWh</i>	n/a	\$0.1870	\$0.1907

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

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
Legacy Rates (RSCH, RWCH, RSEH, RWEH, RSGH, RWGH) (Closed)			
Winter Season* (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$22.70	\$23.05	\$23.50
Electricity Usage Charge			
All kWh usage per month <i>\$/kWh</i>	\$0.1279	\$0.1298	\$0.1324
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$23.05	\$23.50
Electricity Usage Charge			
All kWh usage per month <i>\$/kWh</i>	n/a	\$0.1486	\$0.1516

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

DRAFT
Residential Service
Rate Schedule R

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

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
Master Metered Multifamily and Mobile Home Park Billing (Closed)			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge per month per meter	\$22.70	\$23.05	\$23.50
Electricity Usage Charge			
All kWh usage per month <i>\$/kWh</i>	\$0.1279	\$0.1298	\$0.1324
Summer Season (June - September)			
System Infrastructure Fixed Charge per month per meter	n/a	\$23.05	\$23.50
Electricity Usage Charge			
All kWh usage per month <i>\$/kWh</i>	n/a	\$0.1486	\$0.1516

III. Electricity Usage Surcharges

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

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

IV. Rate Option Menu

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

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

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

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

E. Generator Standby Service Option

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

1. The customer has generation, sited on the customer's premises, that serves all or part of the customer's load; and
2. The generator(s) 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.

Generator Standby Charge January 1 through December 31

\$/kW of Contract Capacity per month

Effective October 1, 2022	\$7.450
Effective March 1, 2022	\$7.562
Effective January 1, 2023	\$7.713

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

The Generator Standby Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

DRAFT
Residential Service
Rate Schedule R

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 is charged to cover the additional costs for providing this service. This charge is in addition to the SIFC.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month

Effective October 1, 2022	\$48.71
Effective March 1, 2022	\$49.45
Effective January 1, 2023	\$50.45

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)

DRAFT
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. The TOD (5-8 p.m.) Rate is an optional rate for customers who have an eligible renewable electrical generation facility under Rate Schedule NEM1 that was approved for installation by SMUD prior to January 1, 2018.
3. This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

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

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

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

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

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

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

¹ See Section V. Conditions of Service

C. Optional Critical Peak Pricing (CPP) Rate (rate categories RTC1 and RTC2)

- 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 the Solar and Storage Rate incentive program are required to enroll in this rate for a duration as determined by SMUD program rules posted on www.smud.org.
- A maximum of 30,000 customers may be enrolled in this rate at any given time.
- 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.
- 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.
- This rate has five kilowatt-hour (kWh) prices, depending on the time-of-day and season as shown below. Holidays are detailed in Section V. Conditions of Service.

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

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

II. Firm Service Rates

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

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
Time-of-Day (5-8 p.m.) Rate (RT02)			
Non-Summer Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$22.70	\$23.05	\$23.50
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1494	\$0.1516	\$0.1547
Off-Peak <i>\$/kWh</i>	\$0.1082	\$0.1098	\$0.1120
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$23.05	\$23.50
Electricity Usage Charge			
Peak <i>\$/kWh</i>	n/a	\$0.3215	\$0.3279
Mid-Peak <i>\$/kWh</i>	n/a	\$0.1827	\$0.1864
Off-Peak <i>\$/kWh</i>	n/a	\$0.1323	\$0.1350

B. Optional Time-of-Day (4-7 p.m.) Rate (Closed)

	Effective as of October 1, 2021	Effective as of March 1, 2022	Effective as of January 1, 2023
Time-of-Day (4-7 p.m.) Rate (RT01) (Closed)			
Winter Season (October - May)			
System Infrastructure Fixed Charge <i>per month per meter</i>	\$22.70	\$23.05	\$23.50
Electricity Usage Charge			
Peak <i>\$/kWh</i>	\$0.1655	\$0.1680	\$0.1713
Off-Peak <i>\$/kWh</i>	\$0.0953	\$0.0967	\$0.0986
Summer Season (June - September)			
System Infrastructure Fixed Charge <i>per month per meter</i>	n/a	\$23.05	\$23.50
Electricity Usage Charge			
Summer Super Peak <i>\$/kWh</i>	n/a	\$0.4200	\$0.4284
Peak <i>\$/kWh</i>	n/a	\$0.1680	\$0.1713
Off-Peak <i>\$/kWh</i>	n/a	\$0.0967	\$0.0986

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

C. 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.

D. Plug-In Electric Vehicle Credit (rate categories RT02, RT01, RTC1 and RTC2)

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

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

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

III. Electricity Usage Surcharges

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

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

IV. Rate Option Menu

- A. Energy Assistance Program.** Refer to Rate Schedule EAPR.
- B. Medical Equipment Discount Program.** Refer to Rate Schedule MED.
- C. Joint Participation in Medical Equipment Discount and Energy Assistance Program.** Refer to Rate Schedule MED.
- D. Generator Standby Service Option**

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

1. The customer has generation, sited on the customer’s premises, that serves all or part of the customer’s load; and
2. The generator(s) 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.

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

Effective October 1, 2022	\$7.450
Effective March 1, 2022	\$7.562
Effective January 1, 2023	\$7.713

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

The Generator Standby Service Charge will be waived only for qualifying renewable generation under Rate Schedules NEM1 and SSR.

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

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 is charged to cover the additional costs for providing this service. This charge is in addition to the System Infrastructure Fixed Charge.

Three-Phase Service – January 1 through December 31

Special Facilities fee per month

Effective October 1, 2022	\$48.71
Effective March 1, 2022	\$49.45
Effective January 1, 2023	\$50.45

V. Conditions of Service

A. Time-of-Day Billing Periods

Off-Peak pricing shall apply during the following holidays:

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

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

VI. Billing

A. Proration of Charges

The electricity usage charge will not be prorated, regardless of the number of days in the billing period or the spanning of multiple seasons. 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-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 March 1, 2022	Effective as of January 1, 2023
SL_COM		
Electricity and Switching Charge <i>\$ per watt of connected load</i>	\$0.0302	\$0.0308

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 March 1, 2022	Effective as of January 1, 2023
SL_COM_M		
System Infrastructure Fixed Charge <i>per month per meter</i>	\$10.50	\$10.70
Electricity Usage Charge <i>All day \$/kWh</i>	\$0.0907	\$0.0925

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 March 1, 2022	Effective as of January 1, 2023
SL_CODM (closed)		
Electricity and Switching Charge <i>\$ per watt of connected load</i>	\$0.0302	\$0.0308

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 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, photo cells and other typical support equipment). These charges are based on the installation of street lighting fixtures of a design specified by SMUD and mounted by means of varying length brackets affixed to poles that are used to carry distribution system circuits.

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

A. Pricing

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

	Effective as of March 1, 2022	Effective as of January 1, 2023
SL_DOM		
Electricity and Switching Charge <i>\$ per watt of connected load</i>	\$0.0302	\$0.0308

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.

DRAFT
Street Lighting Service
Rate Schedule SLS

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.

DRAFT
Street Lighting Service
Rate Schedule SLS

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)

DRAFT
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)

TS_F, TS	Effective as of	Effective as of
	March 1, 2022	January 1, 2023
System Infrastructure Fixed Charge <i>for metering point per month or portion thereof</i>	\$6.23	\$6.36
Electricity Usage Charge All day \$/kWh	\$0.1138	\$0.1161

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)

DRAFT
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

TSS	Effective as of March 1, 2022	Effective as of January 1, 2023
For units not larger than 70 watts or connected load and not exceeding three lamps per unit, the monthly charge per unit per month	\$4.52	\$4.61
For units larger than 70 watts or connected load and not exceeding three lamps per unit, the monthly charge per lamp per watt	\$0.0317	\$0.0323
Total charge per month being not less than	\$4.52	\$4.61

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)

RESOLUTION NO. _____

WHEREAS, on June 17, 2021, the Chief Executive Officer and General Manager released the “Chief Executive Officer & General Manager's Report and Recommendation on Rates and Services, *Volumes 1 and 2*” (the “CEO & GM Report”), which is incorporated by reference herein, the recommendation includes a new Solar and Storage Rate; and

WHEREAS, by Resolution 21-06-06, adopted June 17, 2021, a public hearing on the CEO & GM Report was scheduled for August 31, 2021, at 5:30 p.m.; and

WHEREAS, notices of the hearing were duly published in the *Sacramento Bee* on June 22, June 25 and June 30, 2021; and

WHEREAS, pursuant to SMUD Ordinance No. 15-1, SMUD conducted the two required public workshops on July 8, 2021, and July 27, 2021, to receive and respond to customer comments and questions; and

WHEREAS, in compliance with Government Code section 54999, SMUD sent written notifications by certified mail on June 28, 2021, and June 29, 2021, describing the rate proposal to local school districts, county offices of education, community college districts, California State University, the University of California, and state agencies; and

WHEREAS, SMUD held two qualifying public workshops, contacted over 1,200 community organizations and neighborhood associations leaders via email, letter or phone call invitations to offer an in-person presentation, sent emails to over 256,000 customers and organizations with tailored content for each audience, conducted over 50

presentations to community neighborhood and business organizations, over 300 community and business partners were provided content and were asked to share information regarding the rate proposal with their members and networks, and an additional 55 local agency elected officials were sent information packets with an offer of in-person presentations, which resulted in 1 meeting being held and offers for follow-up meetings if desired; and

WHEREAS, SMUD provided all customers information about the rate proposal via email, mail newsletters, and through the rate change proposal website on smud.org, which received approximately 3,300-page views; and

WHEREAS, SMUD received from members of the public written questions, as well as comments and alternative recommendations to the rate changes proposed; and

WHEREAS, the public hearing was held on August 31, 2021, and out of an abundance of caution due to the ongoing COVID-19 health and safety precautions, the public hearing was conducted virtually on ZoomGov and livestreamed via Granicus and all interested persons were given an opportunity to comment and submit testimony; and

WHEREAS, pursuant to SMUD Ordinance No. 15-1, this resolution was introduced on August 31, 2021, by this Board to be circulated for a minimum of 10 calendar days for public review, input and comment; and

WHEREAS, the CEO & GM Report set forth in detail the factors necessitating the proposed rate action, including the need to meet SMUD's financial

targets, address the cost shift from the existing Net Energy Metering (NEM) rate, and support the 2030 Zero Carbon Plan; and

WHEREAS, the 2030 Zero Carbon Plan was approved by the Board in April 2021, and sets an ambitious goal to reach zero carbon emissions in SMUD's power supply by 2030; and

WHEREAS, SMUD developed a public stakeholder process to design a Solar and Storage Rate that will result in a win-win solution for SMUD's customers, solar and storage industries and advocates, environmental advocates, and low-income advocates; and

WHEREAS, the public stakeholder process involved a Technical Working Group designed to receive input into the development of a value of behind the meter rooftop solar study; SMUD spent nearly four months with a Technical Working Group made up of a diverse range of stakeholders representing many views, including the solar industry, the environmental community, solar and non-solar customers, low-income advocates, academics and the utility solar industry; this Technical Working Group agreed on the key inputs for an independent study specific to SMUD's system and territory; and

WHEREAS, a Request for Proposal for an independent third party to determine the value of behind the meter rooftop solar using the values agreed upon by the Technical Working Group, resulted in the development of the Value of Solar and Solar + Storage Study (VOS Study) by Energy + Environmental Economics (E3); and

WHEREAS, a comprehensive independent VOS study was completed in September 2020 and made available to the public on www.smud.org, and the proposed

solar and storage export rate reflects the value of solar, as reported in the study, which includes transmission, distribution, generation capacity, energy, greenhouse gases and avoided land use; and

WHEREAS, the VOS Study valued solar at 7¢ per kilowatt hour (kWh) under the assumption that the energy produced from that solar replaces energy produced by a natural gas power plant in 2020, and 0.4¢ per kWh for indirect benefits of behind the meter rooftop solar; and

WHEREAS, over the past two years, SMUD has spent close to 1,000 hours working collaboratively with customers, stakeholders and the solar and storage industry to design a holistic, transformational and industry-leading rate proposal, and

WHEREAS, the 2030 Zero Carbon Plan calls for up to an additional 3,000 Megawatts (MW) of new renewable energy and storage to be added to SMUD's service territory by 2030; with rooftop solar paired with battery storage; and which will incentivize grid stability as SMUD transitions away from carbon-emitting power plants; and

WHEREAS, the netting concept in the current NEM1 rate means customers get less value if they install storage, which discourages the adoption of storage; as a result, only about 300 SMUD customers have installed storage since the inception of the current NEM1 rate; and

WHEREAS, storage technology is still developing, making the cost prohibitively expensive for most customers, and it is the intent of SMUD to transform the current solar only industry to a solar plus storage industry with the investment of

\$25 million in battery incentives in combination with other supporting rates and programs to promote the adoption of rooftop paired with storage; and

WHEREAS, the recommendations in the CEO & GM Report include the implementation of a new Solar and Storage Rate, designed to encourage a transition from solar only to solar plus storage and more accurately compensate customers for the value of solar sent to the grid; and

WHEREAS, with the 2030 Zero Carbon Plan including up to 3,000 megawatts (MW) of renewable energy and storage in SMUD's service territory by 2030, this goal requires a significant increase in customers that adopt storage; and

WHEREAS, as of June 2021, SMUD had approximately 37,000 customers with solar, but only about 300 customers with storage; and

WHEREAS, SMUD proposes a Solar and Storage Rate for energy sold to SMUD – all customers selling any energy back to the grid will be paid 7.4¢ per kWh, regardless of time of day or season; and

WHEREAS, the recommendation in the CEO & GM Report includes allowing Solar and Storage Rate customers to size their system for future electrification with a new higher allowed system sizing of 110% of household usage; and

WHEREAS, the recommendations in the CEO & GM Report include adding the Summer Super Peak Demand Charge back into Rate Schedule NEM1 to reflect the postponement of the commercial rate restructure; and

WHEREAS, apart from the recommendations included in this rate action, SMUD is also implementing a one-time interconnection fee to pay for the costs of interconnecting solar and storage customers to SMUD's grid; the fees do not require a

rate action for approval, and the amount of the fees will be posted on www.smud.org;
and

WHEREAS, apart from the recommendations included in this rate action, SMUD has committed to invest \$25 million to implement incentives for battery program partnerships based on the size of the storage system and how that storage system is operated or controlled – by the customer or through a virtual power plant partnership; the details of the program(s) and amounts of incentives will be available on www.smud.org, these incentives do not require a rate action for approval and may be adjusted as necessary to assist SMUD in meeting the 2030 Zero Carbon Plan; and

WHEREAS, apart from the recommendations included in this rate action, SMUD is committed to bringing the benefits of solar to multi-family dwelling communities in historically under-resourced communities through a Virtual Solar program; the new Virtual Solar program would allow property owners of a qualifying multi-family affordable housing complex to install a solar generation system that allocates a portion of the financial benefit of the generation to each residential tenant, according to SMUD’s Virtual Solar program policies; the development of SMUD programs do not require a rate action, and the details of the program will be available on www.smud.org; and

WHEREAS, programs and fees do not require Board approval and information on such programs and fees is provided for informational purposes only to describe the overall holistic rate package; and

WHEREAS, the recommendations in the CEO & GM Report, on balance, meet the competitive rate targets and the rate design metrics in Strategic Direction 2, Competitive Rates, and supports the 2030 Zero Carbon Plan; and

WHEREAS, the recommendations in the CEO & GM Report will ensure SMUD meets or exceeds the financial targets in Strategic Direction 3, Access to Credit Markets, and continues to meet the metrics and targets in the other Strategic Directions adopted by this Board, including those addressing reliability, customer relations, environmental leadership, and resource planning; and

WHEREAS, in light of the adoption of Proposition 26 on November 2, 2010, which precludes certain new fees, levies or charges but is not retroactive as to local governments, this Board desires to maintain certain pre-Proposition 26 rates; this Board understands that Proposition 26 does not vitiate legislation adopted prior to November 3, 2010, and any changes in rates since this date are cost-justified under the analysis in the respective Chief Executive Officer and General Manager's Report and Recommendation on Rates and Services that supported the adoption of the rates; and

WHEREAS, the lock-in for NEM customers that interconnect prior to January 1, 2022, complies with Proposition 26 because SMUD is permitted to reward investment in a solar demand management program designed to encourage conservation of traditional resources and increase supply for all customers, and the cost of such a program may be borne by all customers; state law also requires that SMUD displace its fossil fuel reliance, and compliance with this regulatory mandate is a cost of service that may be funded by all ratepayers; and

WHEREAS, the NEM rates were in place prior to the adoption of Proposition 26, and subsequent rate changes brought a subset of solar rates closer to the cost of service; therefore, NEM rates may be locked in as legacy rates under Proposition 26; and

WHEREAS, the VOS Study supports the Solar and Storage Rate export compensation rate, which complies with Proposition 26; and

WHEREAS, the export compensation rate will be adjusted every four years in response to future rate studies; however, these adjustments cannot increase or decrease the export compensation rate by more than 30% of the rate that applied during the previous four-year period; and

WHEREAS, the value of solar power is expected to decrease in the future, and the 30% cap on the export rate increases is not anticipated to impact export compensation; conversely, to the extent that the 30% cap on rate decreases benefits customers on the Solar and Storage Rate, this subsidy is justified by both increased supply available to all customers, and the regulatory mandate to displace fossil fuel reliance; and

WHEREAS, this Board has carefully considered the CEO & GM Report, public comment, input, and alternatives from community meetings, public rate workshops, the noticed public hearing, and comments received by mail, telephone and email; and

WHEREAS, this Board finds that the proposed action is reasonable and in the best interests of the public and SMUD's customers; **NOW, THEREFORE**,

**BE IT RESOLVED BY THE BOARD OF DIRECTORS
OF SACRAMENTO MUNICIPAL UTILITY DISTRICT:**

Section 1. CHANGES TO RATE SCHEDULE NEM2:

a. Effective January 1, 2022, close and replace Rate Schedule NEM2 with Rate Schedule SSR. All customers on Rate Schedule NEM2 as of December 31, 2021, will be subject to Rate Schedule NEM1.

Section 2. CHANGES TO RATE SCHEDULE NEM1:

a. Effective September 17, 2021, modify the first paragraph of Section VII of Rate Schedule NEM1 to reflect the residential rate requirement approved in Resolution 17-06-09 and to be on Rate Schedule R-TOD.

b. Effective September 17, 2021, implement several minor language updates as specified in Rate Schedule NEM1.

c. Effective September 17, 2021, Rate Schedule NEM1 will apply to customers that meet the following criteria:

i. Moved in or established service prior to January 1, 2022;
and

ii. Application for interconnection approved by SMUD prior to January 1, 2022.

d. Effective September 17, 2021, modify Rate Schedule NEM1 as described in the following table:

Category	Moved in or established service prior to Jan. 1, 2022 AND Application for interconnection approved by SMUD prior to Jan. 1, 2022
-----------------	---

On or before December 31, 2030	<ul style="list-style-type: none"> Customer is subject to NEM 1
After December 31, 2030	<ul style="list-style-type: none"> Customer is subject to the Solar and Storage Rate.
Move in/move out, Transfer of Service	<ul style="list-style-type: none"> New customer at premises subject to Solar and Storage Rate. Customer subject to Solar and Storage Rate at new premises, if applicable.
System Modification/Replacement	<ul style="list-style-type: none"> Subject to Solar and Storage Rate if: <ol style="list-style-type: none"> System size increased more than 10% of generating capacity originally approved, or 1 kW, whichever is greater, or exceeds 110% of generating capacity originally approved. Revised/new interconnection application for system replacement.
Storage Incentives	<ul style="list-style-type: none"> Customers are required to be on Solar and Storage Rate to receive storage incentives.
Transition to Solar and Storage Rate	<ul style="list-style-type: none"> If a customer enrolls in the Solar and Storage Rate, they cannot return to Rate Schedule NEM1.
On or After January 1, 2022	<ul style="list-style-type: none"> Rate Schedule NEM1 is closed to new customers, except to those customers that are subject to Section II in Rate Schedule SSR.

e. Effective September 17, 2021, modify Rate Schedule NEM1 by adding “Summer Super Peak Demand Charge” to Section V, Subsection A.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 3. SOLAR AND STORAGE RATE:

a. Effective January 1, 2022, Rate Schedule SSR will apply to customers that meet the following criteria:

i. Moved in or established service on or after January 1, 2022 to a premises with an eligible generating facility; or

ii. Have an eligible generating facility where the interconnection application was approved by SMUD on or after January 1, 2022.

b. Effective January 1, 2022, create Rate Schedule SSR as described in the following table:

Category	Moved in or established service on or after Jan. 1, 2022 OR Application for interconnection approved by SMUD on or after Jan. 1, 2022
System Size	<ul style="list-style-type: none"> Cannot exceed 110% of customer's electrical usage.
System Modification/Replacement	<ul style="list-style-type: none"> Cannot exceed 110% of customer's electrical usage.
Export Compensation Rate	<ul style="list-style-type: none"> \$0.0740 per kWh effective January 1, 2022.
Export Compensation Rate Updates	<ul style="list-style-type: none"> SMUD will update the export compensation rate every four years, starting in 2026, using a combination of publicly available local indices and SMUD actual costs for components of the Export Compensation Rate. The Export Compensation Rate will not be changed more than $\pm 30\%$ every four years. The revised value will be subject to Board approval at a regular Board meeting and will be posted on smud.org.
Solar and Storage Implementation Date	<ul style="list-style-type: none"> January 1, 2022. In the event that the Solar and Storage Rate is unavailable January 1, 2022, customers will temporarily be subject to Rate Schedule NEM1 until it is technically feasible to transition them to the Solar and Storage Rate.
Electing the Solar and Storage Rate	<ul style="list-style-type: none"> Customers with an eligible electrical generation facility on their premises may elect to enroll in the Solar and Storage Rate
Residential Rate Eligibility	<ul style="list-style-type: none"> Standard residential rate (including the optional CPP Rate).
Annual Settlement	<ul style="list-style-type: none"> No annual settlement. Export credit will roll forward to the next month.

Billing	<ul style="list-style-type: none">• All customers will be billed monthly for all charges.• The export credit can only offset electricity usage charges.
Storage Incentives	<ul style="list-style-type: none">• May accept storage incentives.
Storage Only	<ul style="list-style-type: none">• Customers that have storage without an associated generating facility qualify for this tariff, regardless of date approved by SMUD.

Revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 4. MISCELLANEOUS CHANGES RELATED TO THE SOLAR AND STORAGE RATE:

a. Effective January 1, 2022, replace all references to Rate Schedule NEM2 with Rate Schedule SSR in Rate Schedules R and R-TOD.

b. Effective January 1, 2022, update Section IV, Subsection F of Rate Schedule R as follows:

Customer Net Energy Generation Metering Option. Refer to Rate Schedules NEM1 and NEM2.

c. Effective January 1, 2022, update Section IV, Subsection E of Rate Schedule R-TOD as follows:

Customer Net Energy Generation Metering Options. Refer to Rate Schedules NEM1 and NEM2SSR.

d. Effective January 1, 2022, update Section IV, Subsection B of Rate Schedule AG as follows:

Customer Net Energy Generation Metering Options. Refer to Rate Schedules NEM1 and NEM2SSR.

e. Effective September 17, 2021, update Section V, Subsection E of Rate Schedules CI-TOD1, CI-TOD2, CI-TOD3 and CI-TOD4 as follows:

Customer Net Energy Generation Metering Options. Refer to Rate Schedules NEM1 and ~~NEM2~~SSR.

Additions and revisions described above are detailed in the attached Rates, Rules and Regulations.

Section 5. ALTERNATIVE RECOMMENDATION 1: SMUD received several comments to either create a glide path for the export rate or lock in the export rate for a certain amount of time.

This Board has considered the comments in this alternative recommendation 1 and has determined not to adopt them for the following reasons:

- The 7.4¢ per kWh is supported by a comprehensive VOS study and reflects the reasonable cost of service. Including a glide path would pay a higher export compensation rate that exceeds the value of solar, resulting in an untenable cross-subsidy from non-solar/storage customers.

Section 6. ALTERNATIVE RECOMMENDATION 2: SMUD received several comments to extend the implementation date of the Solar and Storage Rate. This Board has considered the comments in this alternative recommendation 2 and has determined not to adopt them for the following reasons:

- SMUD met the legal requirement of the original NEM law in 2017. As such, all customers who installed solar starting in 2018 could therefore be subject to a successor rate. The staff recommendation allows those customers to continue to receive NEM1 compensation through 2030.

As the effective date of a successor rate has already been extended for 4 years while SMUD continued to offer NEM1 after 2017, the staff recommendation to implement the new Solar and Storage Rate on January 1, 2022, is reasonable.

Section 7. ALTERNATIVE RECOMMENDATION 3: SMUD received several comments to extend the time period that customers may continue to receive NEM1 benefits beyond 2030.

This Board has considered the comments in this alternative recommendation 3 and has determined not to adopt them for the following reasons:

- SMUD staff has determined that approximately 95% of customers who install solar in 2021 will have their solar systems paid back by the end of 2030. Additionally, for every year after 2030 that SMUD extends the NEM1 benefits, the cost shift to customers without solar increases by about \$10 million. SMUD must balance the benefit to our customers that have invested in solar along with those customers that have not.

Section 8. ALTERNATIVE RECOMMENDATION 4: SMUD received several comments to increase the export rate for excess generation and tie the export rate to the Time-of-Day time periods.

This Board has considered the comments in this alternative recommendation 4 and has determined not to adopt them for the following reasons:

- The 7.4¢ per kWh is supported by a comprehensive VOS study and reflects the reasonable cost of service.

- SMUD staff collaborated with the solar and storage industries to develop the new Solar and Storage Rate. The feedback received was to make the new Solar and Storage Rate as simple as possible for customers to understand. The 7.4¢ per kWh compensation rate achieves this goal. SMUD staff did complete an analysis on a TOD-based compensation structure, and the results showed only a minimal difference from the 7.4¢ per kWh compensation. The staff proposal follows the Board directive on rates simplicity. As such, the staff proposal complies with SD-2 on being simple and easy to understand approach compared to a more complex compensation mechanism.

Section 9. ALTERNATIVE RECOMMENDATION 5: SMUD received several comments to increase the battery incentives.

This Board has considered the comments in this alternative recommendation 5 and has determined not to adopt them for the following reasons:

- Staff used a holistic approach to address the market transformation from solar only to solar plus storage with a combination of rates and supporting programs. The battery storage incentives are programs and therefore outside of the Board's decision-making in this rate process. Programs will be implemented by staff and the intent is to allow flexibility and make adjustments to respond to demand, should the need arise.

Section 10. ALTERNATIVE RECOMMENDATION 6: SMUD received several comments to expand the Virtual Solar program to all multi-tenant properties.

This Board has considered the comments in this alternative recommendation 6 and has determined not to adopt them for the following reasons:

- The Virtual Solar Program is outside of the Board's decision-making in this rate process.
- Low-income customers have been largely left out in the adoption of rooftop solar. It has created a fairness and equity issue. Of our nearly 36,000 residential solar customers, only about 5% or 2,000 are on our low-income or Energy Assistance Program Rate (EAPR), and SMUD has helped pay to install some of those systems. Our first priority, as stated above, is to provide under resourced communities with access to solar. After we launch this program, we will look to see how we can further expand virtual solar without adding additional cost shift, but our first priority must be our under-resourced communities.

Section 11. ALTERNATIVE RECOMMENDATION 7: SMUD received several comments to provide more details on the Critical Peak Pricing (CPP) Rate.

This Board has considered the comments in this alternative recommendation 7 and is providing the following information as requested:

- Staff's proposal includes adequate detail to establish the CPP Rate on pages 43-46 of the CEO and GM Report.
- The prices for the CPP Rate will be included on the SMUD website to allow for flexibility in adjusting the rate to increase participation. The actual 2022 prices will be calculated at the end of 2021 based on

market conditions at that time. Staff will then post the prices to the website.

Section 12. ALTERNATIVE RECOMMENDATION 8: SMUD received a recommendation that customers should not lose their NEM1 if they install a battery. This Board has considered this alternative recommendation 8 and would like to clarify that the staff recommended proposal is consistent with this recommendation. Under the proposed Solar and Storage Rate, customers who currently receive NEM1 benefits will not lose those benefits if they install a battery. However, if a customer who currently receives NEM1 benefits chooses to accept a storage incentive for a battery, they will then be moved to the new Solar and Storage Rate.

Section 13. ALTERNATIVE RECOMMENDATION 9: SMUD received a recommendation to pay an export rate of 7.4¢ per kWh for system sizes up to 110% of household usage, and pay an export rate of cost of utility scale solar for systems sized 110-220% of household use.

This Board has considered this alternative recommendation 9 and has determined not to adopt it in this rate process because it will have significant implications to SMUD's billing system. SMUD may take this recommendation into further consideration in a future rate process if it can determine a reasonable solution.

Section 14. ALTERNATIVE RECOMMENDATION 10: SMUD received a recommendation to “clearly state in the SSR rate schedule, REC ownership and that a customer with such a facility shall transfer legal title for RECs at no cost to SMUD so other customers will not be burdened.” Additionally, SMUD received a recommendation

to remove the word “eligible for certification” from Section I of the Solar and Storage Rate tariff.

This Board has considered the list of policies in this alternative recommendation 10 and has determined not to adopt the recommendation for the following reasons:

- SMUD is not proposing to make any changes to our current policies in regards to REC treatment in this rate process.
- To be eligible for the Solar and Storage Rate, a customer must have an eligible renewable energy resource as defined by the CEC, but does not need to have it registered.
- The export rate under the SSR rate schedule does not include the value of RECs and customers retain ownership of the RECs.
- SMUD may adopt programs in the future that address REC ownership and the process of transferring ownership.

Section 15. MODIFICATIONS: The Chief Executive Officer and General Manager, or his or her designee, is authorized to make non-substantive revisions to the Rates, Rules and Regulations.

Section 16. ENVIRONMENTAL COMPLIANCE:

1.0 Section 21080(b)(8) of the California Public Resource Code and Section 15273 of the California Environmental Quality Act (CEQA) Guidelines (California Code of Regulations, Title 14, Sections 15000, et seq.) provide, in relevant part, that CEQA does not apply to the establishment, modification, structuring, restructuring, or approval of rates, tolls, fares, and other charges by public agencies

which the public agency finds are for the purposes set forth in (A) through (D) below, and that a public agency shall incorporate written findings in the record in any proceeding in which an exemption is claimed setting forth with specificity the basis for the claim for exemption:

- (A) meeting operating expenses, including employee wage rates and fringe benefits,
- (B) purchasing or leasing supplies, equipment, or materials,
- (C) meeting financial reserve needs and requirements, or
- (D) obtaining funds for capital projects necessary to maintain service within existing service areas.

2.0 This Board finds and declares:

(A) That all revenue produced by each and every one of the rate actions set forth in this Resolution shall exclusively be used for purposes permitted by Sections 21080(b)(8)(A) through (D) of the California Public Resource Code, and that no amount of revenue obtained from this rate increase shall be used for any other purpose. Therefore, all of the foregoing rate actions are exempt from CEQA.

(C) The above findings are based on information set forth in the CEO & GM Report.

Section 17. The new and revised Rate Schedules and Rules and Regulations referenced in this Resolution are attached and incorporated herein as Attachment ____.

DRAFT

Section 18. To the extent there is a discrepancy between this Resolution and the new and revised Rate Schedules and Rules and Regulations attached hereto, the new and revised Rate Schedules and Rules and Regulations shall control.

DRAFT
Table of Contents

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

	<u>Effective Date</u>	<u>Sheet Number</u>	<u>Page Number</u>
Table of Contents.....	Sept 17, 2021	i	
Preliminary Statement	Sept 17, 2021	ii	
Rate Schedules			
NEM1 Net Metering for Qualifying Facilities.....	Sept 17, 2021	NEM1-1-3	1
SSR Solar and Storage Rate.....	Jan 1, 2022	SSR-1-3	4

Territory Served by SMUD

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

Description of Service

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

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

Procedure to Obtain Service

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

Establishment of Credit and Deposits

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

General

1. MEASUREMENT OF ELECTRIC ENERGY

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

2. DISCOUNTS

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

**Net Energy Metering
Rate Schedule NEM1**

I. Applicability

This Rate Schedule NEM1 applies to residential, commercial/industrial, and agricultural customers who established service at their premises prior to January 1, 2022 and have an electrical generation facility on their premises that is fueled by a renewable fuel source which had an application for interconnection approved by SMUD prior to January 1, 2022.

In the event that the Solar and Storage Rate is not available on January 1, 2022 due to implementation delays, this Rate Schedule NEM1 would temporarily apply to those customers on Rate Schedule SSR who establish service, move out/in, or transfer service at a premises that have an electrical generation facility that is fueled by a renewable fuel source on or after January 1, 2022 or have an electrical generation facility on their premises that is fueled by a renewable fuel source which was approved for interconnection by SMUD on or after January 1, 2022, that are subject to the transition period described under Section II. Transitional Conditions. These customers will be transitioned to Rate Schedule SSR as soon as technically feasible.

This Rate Schedule NEM1 will be closed to new customers as of January 1, 2022, except for those customers that are subject to the transition period described under Section II. Transitional Conditions of Rate Schedule SSR.

All NEM1 Customers will be transitioned to Rate Schedule SSR as early as January 1, 2031, as technically feasible. At that point, all residential customers must also be on Rate Schedule R-TOD. Once all customers have been transitioned, this Rate Schedule NEM1 will be eliminated.

Once a customer is enrolled in Rate Schedule SSR, they cannot return to this Rate Schedule NEM1.

A renewable electrical generation facility is a facility that is eligible for certification as a renewable energy resource as defined by the California Energy Resources Conservation and Development Commission (CEC).¹ These facilities include, but may not be limited to, generators fueled by:

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

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

II. Generator Standby Charges

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

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

**Net Energy Metering
Rate Schedule NEM1**

III. Conditions of Service

A. Eligibility

The following are requirements for eligibility under this rate schedule:

1. The facility must be located on the customer's premises; and
2. The facility must operate in parallel with SMUD's distribution facilities; and
3. The customer must meet all requirements of Rule and Regulation 21; and
4. The facility must be intended primarily to offset part or all of the customer's own electrical requirements; and
5. The facilities and the electrical requirements are located at a single and same metering point; and
6. The customer has not received storage incentives under a qualifying SMUD program; and
7. The facility does not increase in size more than 10% of the generating capacity originally approved, or 1 kW, whichever is greater, and does not exceed 110% of the generating capacity originally approved, based on the CEC-AC rating at the initial date of approval; and
8. The customer has not submitted a revised or new interconnection application for entire system replacement; and
9. The generating capacity can be a maximum of 3,000 kilowatts.

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

IV. Metering

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

V. Payments

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

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

VI. Settlement Method

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

**Net Energy Metering
Rate Schedule NEM1**

A. Annual Net Surplus Generation

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

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

2. For each kWh purchased by SMUD under this annual net surplus generation method, the ownership of the associated renewable electricity credit will transfer from the customer to SMUD.
3. The net surplus monetary value shall be calculated annually.
4. This net surplus monetary value will remain in effect for the duration of the fiscal year used for the calculation of the customer’s net surplus generation.
5. The value will be published on SMUD’s website, www.smud.org, by December 20 prior to the year the value is in effect.

B. Opt-Out of Annual Net Surplus Generation

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

VII. Residential Rate Requirement

Residential customers who have an eligible renewable electrical generation facility on their premises that was approved by SMUD for installation, or who move-in or transfer service to a premises with an eligible renewable electrical generation facility on or after January 1, 2018 must also be on Rate Schedule R-TOD.

(End)

DRAFT
Solar and Storage Rate
Rate Schedule SSR

I. Applicability

This Rate Schedule SSR applies to residential, commercial/industrial, and agricultural customers 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, 2022 (except customers subject to the transition period described under Section II. Transitional Conditions) or have an electrical generation facility on their premises that is fueled by a renewable fuel source which was approved for interconnection by SMUD on or after January 1, 2022 (except customers subject to the transition period described under Section II. Transitional Conditions).*

All customers that have an electrical generation facility on their premises on or before December 31, 2021 that is fueled by a renewable fuel source may elect to enroll in Rate Schedule SSR on or after January 1, 2022.

A renewable electrical generation facility is a facility that is eligible for certification as a renewable energy resource as defined by the California Energy Resources Conservation and Development Commission (CEC).¹ These facilities include, but may not be limited to, generators fueled by:

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

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

*Storage facilities installed without an associated generating facility qualify for this tariff, regardless of the date approved by SMUD.

II. Transitional Conditions

In the event that this Solar and Storage Rate is not available on January 1, 2022 due to implementation delays, customers will temporarily be subject to Rate Schedule NEM1 until transitioned to Rate Schedule SSR when it is technically feasible.

The transitional customers may receive a storage incentive under a Solar and Storage Rate program and may size their electrical generating facility up to 110% of their own electrical requirements.

Customers with a storage facility without an associated eligible generating facility cannot be on Rate Schedule NEM1.

III. Generator Standby Charges

Customers who qualify for the Solar and Storage Rate through this Rate Schedule are exempt from generator standby charges on that portion of their load that is served by the eligible facility.

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

DRAFT
Solar and Storage Rate
Rate Schedule SSR

IV. Conditions of Service

A. Eligibility

The following are requirements for eligibility under this Rate Schedule:

1. The facility must be located on the customer's premises; and
2. The facility must operate in parallel with SMUD's distribution facilities; and
3. The customer must meet all requirements of Rule and Regulation 21; and
4. The facility must be intended primarily to offset up to 110% of the customer's own electrical requirements; and
5. The facilities and the electrical requirements are located at a single and same metering point; and
6. Residential customers must also be on Rate Schedule R-TOD; and
7. The generating capacity can be a maximum of 3,000 kilowatts.

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

V. Metering

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

VI. Export Compensation Rate

The Export Compensation Rate effective January 1, 2022 will be \$0.0740 per kWh (subject to updates as described in the paragraph below).

Export is defined as all kWh registered on the customer bi-directional meter as delivered to SMUD.

SMUD will update the Export Compensation Rate every four years, starting in 2026, using a combination of publicly available local indices and SMUD actual costs for components of the Export Compensation Rate. The Export Compensation Rate will not be changed more than $\pm 30\%$ every four years. The revised value will be subject to Board approval at a regular Board meeting and will be posted on www.smud.org. The revised Export Compensation Rate will apply to all customers on the Solar and Storage Rate.

VII. Payments

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

- A. In any regular billing month, the electricity supplied by SMUD is billed at retail pricing, based on the customer's rate category.
- B. Any electricity that is exported to SMUD is credited at the Export Compensation Rate on the customer's bill. The export credit can only offset electricity usage charges. Any remaining credit will carry over to subsequent billing periods.
- C. The System Infrastructure Fixed Charge, Summer Super Peak Demand Charge, Summer Peak Demand Charge, Maximum Demand Charge, Site Infrastructure Charge, electricity usage charges that are not offset by the export credit, program fees, surcharges and taxes must be paid each monthly billing cycle.

DRAFT
Solar and Storage Rate
Rate Schedule SSR

VIII. Storage Incentives

- A. All customers that receive a storage incentive through a qualifying SMUD program must be on Rate Schedule SSR.
- B. Customers that received a storage incentive through a qualifying SMUD program that only have a storage facility (that is not associated with a renewable or other electrical generating facility) must be on Rate Schedule SSR.

(End)

RESOLUTION NO. _____

WHEREAS, on June 17, 2021, the Chief Executive Officer and General Manager released the “Chief Executive Officer and General Manager’s Report and Recommendation on Open Access Transmission Tariff, *Volume 1*” (the “OATT Report”), which OATT Report is incorporated by reference herein and made a part hereof; and

WHEREAS, by Resolution 21-06-06, adopted June 17, 2021, a public hearing on the OATT Report was scheduled for August 31, 2021, at 5:30 p.m.; and

WHEREAS, notice of the public hearing was duly published on the *Sacramento Bee* on June 22, June 25 and June 30, 2021, the public hearing was held at the aforementioned time virtually on ZoomGov and livestreamed via Granicus and all interested persons were given an opportunity to comment and submit testimony; and

WHEREAS, pursuant to SMUD Ordinance No. 15-1, SMUD conducted the two required public workshops on July 8, 2021, and July 27, 2021, to receive and respond to customer comments and questions; and

WHEREAS, SMUD held two qualifying public workshops, contacted over 1,200 community organizations and neighborhood associations leaders via email, letter or phone call invitations to offer an in-person presentation, sent emails to over 256,000 customers and organizations with tailored content for each audience, conducted over 50 presentations to community neighborhood and business organizations, over 300 community and business partners were provided content and were asked to share information regarding the rate proposal with their members and networks, and an additional 55 local agency elected officials were sent information packets with an offer

of in-person presentations, which resulted in one meeting being held and offers for follow-up meetings if desired; and;

WHEREAS, SMUD provided all customers information about the rate proposal via email, mail newsletters, and through the rate change proposal website on smud.org, which received approximately 3,300 page views; and

WHEREAS, SMUD received from members of the public written questions, as well as comments and alternative recommendations to the rate changes proposed; and

WHEREAS, the public hearing was held on August 31, 2021, and out of an abundance of caution due to the ongoing COVID-19 health and safety precautions, the public hearing was conducted virtually, and all interested persons were given an opportunity to comment and submit testimony; and

WHEREAS, pursuant to SMUD Ordinance No. 15-1, this resolution was duly introduced on August 31, 2021, by this Board of Directors to be circulated for a minimum of 10 calendar days for public review, input and comment; and

WHEREAS, in compliance with Government Code section 54999, SMUD sent written notifications by certified mail on June 28, 2021, and June 29, 2021, describing the rate proposal to local school districts, county offices of education, community college districts, California State University, the University of California, and state agencies; and

WHEREAS, by Resolution No. 04-02-02, this Board of Directors adopted SMUD's Open Access Transmission Tariff (OATT), and by Resolution Nos. 11-08-07 and 17-06-10, this Board of Directors updated the OATT; and

WHEREAS, revisions to the Schedule 1 (Scheduling, System Control and Dispatch Service) and Schedule 2 (Reactive Supply and Voltage Control from Generation or Other Sources Service) rates contained in the existing OATT are necessary to accurately reflect SMUD's cost of service; and

WHEREAS, in light of the adoption of Proposition 26 on November 2, 2010, which precludes certain new fees, levies or charges but is not retroactive as to local governments, this Board of Directors desires to maintain certain pre-Proposition 26 rates; this Board of Directors understands that Proposition 26 does not vitiate legislation adopted prior to November 3, 2010, and any changes in rates since this date are cost-justified under the analysis in the respective Chief Executive Officer and General Manager's Report and Recommendation on Open Access Transmission Tariff that supported the adoption of the rates; and

WHEREAS, the recommendation to increase SMUD's OATT rates in Schedule 1 and Schedule 2 are based on cost of service principles and reflect SMUD's cost increases to provide transmission service uniformly to all transmission customers; and

WHEREAS, this Board of Directors has carefully considered the OATT Report, and public comment and input from community meetings, public rate workshops, and noticed public hearings; and

WHEREAS, this Board of Directors finds that updating the existing OATT Schedule 1 and Schedule 2 rates with the proposed revised OATT Schedule 1 and Schedule 2 rates is reasonable, in the best interests of the public and SMUD's customers, and provides a net benefit to SMUD; **NOW, THEREFORE**,

**BE IT RESOLVED BY THE BOARD OF DIRECTORS
OF THE SACRAMENTO MUNICIPAL UTILITY DISTRICT:**

Section 1. Effective September 17, 2021, SMUD's existing Open Access Transmission Tariff (OATT) Schedule 1 and Schedule 2 rates shall be revised and superseded by the revised OATT Schedule 1 rate of \$361.72 per MW of reserved capacity per month and revised Schedule 2 rate of \$80.38 per MW of reserved capacity per month (attached as Attachments ___ and ___). The other Schedule 1 and Schedule 2 rates are multiples of the monthly values, and these are updated accordingly as shown in Attachment ___ and ___.

Section 2. Environmental Assessment

1.0 Section 21080(b)(8) of the California Public Resources Code and Section 15273 of the California Environmental Quality Act (CEQA) Guidelines (California Code of Regulations, Title 14, Sections 15000, et seq.) provide that CEQA does not apply to the establishment, modification, structuring, restructuring, or approval of rates, tolls, fares, and other charges by public agencies which the public agency finds are for the purpose of:

- (A) meeting operating expenses, including employee wage rates and fringe benefits;
- (B) purchasing or leasing supplies, equipment, or materials;
- (C) meeting financial reserve needs and requirements;
- (D) obtaining funds for capital projects necessary to maintain service within existing service areas;

2.0 This Board of Directors finds and declares that the proposed action will have no immediate revenue impact to SMUD since these rates are only used for incidental wholesale transmission sales, and reflects the reasonable costs to SMUD of providing transmission service under the OATT; and that no amount of revenue obtained from this rate increase will be used for any other purpose. Therefore, the proposed action to approve a revised OATT Schedule 1 and Schedule 2 rates with an effective implementation date of September 17, 2021, is for the purposes set forth in Sections 21080(b)(8)(A) through (D) of the California Public Resource Code. Therefore, this rate action is exempt from the requirements of CEQA. This finding is based upon information contained in the OATT Report.

Section 3. The Chief Executive Officer and General Manager, or his or her designee, is authorized to make non-substantive revisions to OATT Schedule 1 and OATT Schedule 2.

DRAFT

Schedule 1: Scheduling, System Control and Dispatch Service

This service is required to schedule the movement of power through, out of, within, or into a Balancing Authority Area. This service can be provided only by the operator of the Balancing Authority Area in which the transmission facilities used for transmission service are located. Scheduling, System Control and Dispatch Service is to be provided directly by the Transmission Provider (if the Transmission Provider is the Balancing Authority Area operator) or indirectly by the Transmission Provider making arrangements with the Balancing Authority Area operator that performs this service for the Transmission Provider's Transmission System. The Transmission Customer must purchase this service from the Transmission Provider or the Balancing Authority Area operator. The charges for Scheduling, System Control and Dispatch Service are to be based on the rates set forth below. To the extent the Balancing Authority Area operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-through of the costs charged to the Transmission Provider by that Balancing Authority Area operator.

- 1) Yearly delivery: \$4,340.62/MW of Reserved Capacity per year.
- 2) Monthly delivery: \$361.72/MW of Reserved Capacity per month.
- 3) Weekly delivery: \$83.47/MW of Reserved Capacity per week.
- 4) Daily delivery: \$16.69/MW of Reserved Capacity per day.
- 5) Hourly delivery: \$1.0434/MW of Reserved Capacity per hour.

Schedule 2: Reactive Supply and Voltage Control from Generation or Other Sources Service

In order to maintain transmission voltages on the Transmission Provider's transmission facilities within acceptable limits, generation facilities and non-generation resources capable of providing this service that are under the control of the Balancing Authority Area operator are operated to produce (or absorb) reactive power. Thus, Reactive Supply and Voltage Control from Generation or Other Sources Service must be provided for each transaction on the Transmission Provider's transmission facilities. The amount of Reactive Supply and Voltage Control from Generation or Other Sources Service that must be supplied with respect to the Transmission Customer's transaction will be determined based on the reactive power support necessary to maintain transmission voltages within limits that are generally accepted in the region and consistently adhered to by the Transmission Provider.

Reactive Supply and Voltage Control from Generation or Other Sources Service is to be provided directly by the Transmission Provider (if the Transmission Provider is the Balancing Authority Area operator) or indirectly by the Transmission Provider making arrangements with the Balancing Authority Area operator that performs this service for the Transmission Provider's Transmission System. The Transmission Customer must purchase this service from the Transmission Provider or the Balancing Authority Area operator. The charges for such service will be based on the rates set forth below. To the extent the Balancing Authority Area operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-through of the costs charged to the Transmission Provider by the Balancing Authority Area operator.

The Transmission Customer shall compensate the Transmission Provider each month up to the sum of the applicable charges set forth below:

Reactive Supply and Voltage Control from Generation Sources Service for Network Integration Service Customers under Part III of the Tariff:

\$110.21/MW per month times the Transmission Customer's monthly coincident peak demand.

Reactive Supply and Voltage Control from Generation Sources Service for Point-to-Point Transmission Customers under Part II of the Tariff:

- 1) Yearly delivery: \$964.52/MW of Reserved Capacity per year.
- 2) Monthly delivery: \$80.38/MW of Reserved Capacity per month.
- 3) Weekly delivery: \$18.55/MW of Reserved Capacity per week.
- 4) Daily delivery: \$3.71/MW of Reserved Capacity per day.

5) Hourly delivery: \$0.2319/MW of Reserved Capacity per hour.

The total charge for Reactive Supply and Voltage Control from Generation Sources Service in any day, pursuant to a reservation for Hourly delivery, shall not exceed the rate specified in section (4) above times the highest amount in Megawatts of Reserved Capacity in any hour during such day. In addition, the total charge for Reactive Supply and Voltage Control from Generation Sources Service in any week, pursuant to a reservation for Hourly or Daily delivery, shall not exceed the rate specified in section (3) above times the highest amount in Megawatts of Reserved Capacity in any hour or day during such week.