Board Energy Resources & Customer Services Committee Meeting and Special SMUD Board of Directors Meeting

Date: Wednesday, February 17, 2021

Time: Scheduled to begin at 5:30 p.m.

Location: Virtual Meeting (online)





AGENDA BOARD ENERGY RESOURCES & CUSTOMER SERVICES COMMITTEE MEETING AND SPECIAL SMUD BOARD OF DIRECTORS MEETING

Wednesday, February 17, 2021 Scheduled to begin at 5:30 p.m.

Zoom Webinar Link: Join SMUD Energy Resources & Customer Services

Committee Meeting Here Webinar ID: 161 327 5079 Password: 338596

Phone Dial-in Number: 1-669-254-5252

In accordance with the Governor's Executive Order N-29-20 and the Emergency Board Meeting Procedures adopted by the SMUD Board of Directors, the regular Board meeting and other public meetings are closed to the public to align with state, local, and federal guidelines and social distancing recommendations for the containment of the coronavirus.

Live video streams and indexed archives of meetings are available at: http://smud.granicus.com/ViewPublisher.php?view_id=16

Members of the public may register to provide verbal comments at an upcoming Board or Committee meeting by emailing a request to speak to PublicComment@smud.org. Please include the date of the meeting, name, and topic or agenda item the requestor wishes to speak on. The request may also be submitted while the meeting is in progress during the standard time for the agenda item or topic. Pre-registration is strongly encouraged by no later than 3:00 p.m. on the day of the meeting.

Members of the public may provide written public comments on a specific agenda item or on items not on the agenda (general public comment) by submitting comments via e-mail. Comments may be submitted to PublicComment@smud.org and will be placed into the record of the meeting.

Members of the public that are listening to or watching the live stream of a Committee meeting and wish to submit written comments on a specific agenda item as it is being heard may submit their comments, limited to 250 words or less, to PublicComment@smud.org, noting the agenda item number in the subject line. The Committee Chair may read comments for items on the agenda into the record, in her discretion, based upon such factors as the length of the agenda or the number of e-mail comments received. General public comment for items not on the agenda will not be read into the record but will be provided to the Board and placed into the record of the Board meeting if it is received within two hours after the meeting ends.

This Committee meeting is noticed as a joint meeting with the Board of Directors for the purpose of compliance with the Brown Act. In order to preserve the function of the Committee as advisory to the Board, members of the Board may attend and participate in the discussions, but no Board action will be taken. The Energy Resources and Customer Services Committee will review, discuss and provide the Committee's recommendation on the following:

DISCUSSION ITEM

Cesar Beltran

Authorize the Chief Executive Officer and General Manager to execute a contract for Electric Service Base Resource with the United States Department of Energy Western Area Power Administration (WAPA) for a 30-year term of January 1, 2025, through December 31, 2054, with option to reduce or terminate Base Resource Share prior to the start date and approximately every five years thereafter.

Presentation: 15 minutes Discussion: 5 minutes

INFORMATIONAL ITEMS

2. Public Comment

3. Brandon Rose Summary of Committee Direction.

Discussion: 1 minute

ANNOUNCEMENT OF CLOSED SESSION AGENDA

1. Conference with Legal Counsel – Significant Exposure to Litigation.

Pursuant to Section 54956.9(d)(2) of the Government Code:

One case.

Pursuant to Resolution No. 20-06-08 adopted on June 18, 2020, Emergency Board Meeting Procedures are in effect:

Members of the public may make either a general public comment or comment on a specific agenda item by submitting comments via email. Comments may be submitted to PublicComment@smud.org. Comments will be provided to the Board and placed into the record of the Committee meeting if it is received within two hours after the meeting ends.

Members of the public that are listening or watching the live stream of a Board meeting and wish to comment on a specific agenda item as it is being heard, may submit their comments, limited to 250 words or less, to PublicComment@smud.org. The Board Chair may read the comments into the record, in her discretion, based upon such factors as the length of the agenda or the number of email comments received. Comments will be provided to the Board and placed into the record of the Committee meeting if it is received within two hours after the meeting ends.

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ADA Accessibility Procedures: Upon request, SMUD will generally provide appropriate aids and services leading to effective communication for qualified persons with disabilities so that they can participate equally in this virtual meeting. If you need a reasonable auxiliary aid or service for effective communication to participate, please email Toni.Stelling@smud.org, or contact by phone at (916) 732-7143, no later than 48 hours before this virtual meeting.

SSS No.	
ET&C 21-004	

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
ERCS February 17, 2021
Board Meeting Date
February 18, 2021

ТО											ТО		
1.	Chad Adair	6.	Brandy Bolden										
2.	2. Jon Olson						Stephen Clemons						
3.	3. Scott Martin						Frankie McDermott						
4.	Jessica Kasparian						Legal						
5.	5. Jennifer Davidson					10.	CEO & General Manager						
Consent Calendar X Yes No If no, schedule a dry run presentation.				Bud	geted	Х	Yes		No (If no, exp section.)	olain in Cos	t/Budgeted		
FRC	OM (IPR)	(IPR) DEPARTMENT								MAIL STOP	EXT.	DATE SENT	
Cesar Beltran Energy Trading & Co					ontrac	ets				A404	6925	1/28/2021	
NAI	RRATIVE:				·		_						

Requested Action:

Authorize the CEO and GM, or his delegate, to execute a contract for Electric Service Base Resource with the United States Department of Energy Western Area Power Administration (WAPA) for a 30-year term of January 1, 2025, through December 31, 2054, with the option to reduce or terminate Base Resource Share, prior to the start date and approximately every 5 years thereafter, substantially in the form attached.

Summary:

This is the replacement contract to the current WAPA Base Resource Agreement, which expires on 12/31/2024 and provides on average 648,000 MWh of California located hydroelectric power annually. The new agreement provides SMUD with a 24.96325% share of the Base Resource, subject to adjustment in 2040, which provides economic zero carbon power and will be a key contributor to achieving our 2030 Zero Carbon Plan. This energy resource also provides SMUD with valuable firm capacity and Resource Adequacy, maximizing summer peaking, subject to significant environmental constraints based on the variable nature of Northern California hydroelectric generation. Approximately 3% of Base Resource generation comes from small hydroelectric facilities which also qualify toward our California RPS (Renewables Portfolio Standard) requirements.

This is a so-called "take or pay" contract, with CVP (Central Valley Project) Customers required to pay their respective Base Resource percentage share of WAPA's Base Resource Costs independent of the volume of actual energy deliveries. The project economics are forecasted to be positive for the term of the agreement.

Given that this is a 30-year contract and that market conditions for energy may change during that period, the contract provides customers with the unilateral option to reduce Base Resource share or terminate the agreement approximately every 5 years. Further, the contract provides customers with the option to reduce their Base Resource percentage or terminate this Contract for any reason through June 30, 2024, which is 6 months prior to the start of the term of the agreement.

SMUD's status as a CVP customer provides separate significant transmission opportunities, under separate contracts with WAPA for additional consideration, to access economical & carbon free energy from the Pacific Northwest for delivery to SMUD.

Board Policy: (Number & Title)

SD-2, Competitive Rates: SD-7, Environmental Leadership: SD-9 Resource Planning: This contract provides economic zero carbon power and will be a key contributor to achieving our 2030 Zero Carbon Plan. Allows access to relatively low cost and carbon free power generated with California and delivered to SMUD. Also, allows access to transmission of power from the Pacific Northwest.

Benefits: The value of the market forecast for energy and capacity from this resource is expected to be positive for the 30-year life of the agreement. Also, the contract allows SMUD access to transmission agreements, providing both cost competitive and clean power supplies and avoids CAISO (California System Operator) transmission fees.

Cost/Budgeted: Starting in 2025, annual payments by SMUD are estimated at \$31,752,000 with a 2% annual escalation for the 30-year term of the agreement.

Alternatives: Rely on other sources for carbon free energy and associated transmission.

Affected Parties: Energy Trading & Contracts, Resource Planning and WAPA

Coordination: Energy Trading & Contracts, Resource Planning, Legal

Presenter: Cesar Beltran, Senior Originator

Additional Links:		

Execute a contract for Electric Service Base Resource, with Western Area Power Administration, for a 30-year term of 1/1/2025 thru 12/31/2054

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.

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DRAFT

Contract 20-SNR-02354

UNITED STATES DEPARTMENT OF ENERGY WESTERN AREA POWER ADMINISTRATION SIERRA NEVADA REGION

CONTRACT FOR ELECTRIC SERVICE

BASE RESOURCE

WITH

SACRAMENTO MUNICIPAL UTILITY DISTRICT

UNITED STATES DEPARTMENT OF ENERGY WESTERN AREA POWER ADMINISTRATION SIERRA NEVADA REGION

CONTRACT FOR ELECTRIC SERVICE BASE RESOURCE WITH

SACRAMENTO MUNICIPAL UTILITY DISTRICT

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1 Contract 20-SNR-02354 2 3 4 UNITED STATES DEPARTMENT OF ENERGY 5 WESTERN AREA POWER ADMINISTRATION SIERRA NEVADA REGION 6 7 CONTRACT FOR ELECTRIC SERVICE **BASE RESOURCE** 8 WITH 9 SACRAMENTO MUNICIPAL UTILITY DISTRICT 10 11 PREAMBLE: This Contract is made this _____ day of _____ 1. 12 pursuant to the Acts of Congress approved June 17, 1902, (32 Stat. 388); 13 August 26, 1937, (50 Stat. 844); August 4, 1939, (53 Stat. 1187); and August 4, 1977, 14 (91 Stat. 565); and Acts amendatory or supplementary to the foregoing Acts; between 15 the UNITED STATES OF AMERICA (United States), acting by and through the 16 Administrator, Western Area Power Administration, Department of Energy, hereinafter 17 called WAPA, represented by the officer executing this Contract, or a duly appointed 18 successor, hereinafter called the Contracting Officer; and SACRAMENTO MUNICIPAL 19 UTILITY DISTRICT, a Public Utility District, hereinafter called the Contractor or SMUD, 20 its successors and assigns; each sometimes hereinafter individually called the Party, 21 and both sometimes hereinafter collectively called the Parties. 22 23 2. **EXPLANATORY RECITALS:** 24 WAPA markets the surplus generation from, and operates a high-voltage 25 transmission system as a part of, the Central Valley Project (CVP). 26 ///

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- 2.2 WAPA and the U.S. Department of the Interior, Bureau of Reclamation (Reclamation), have agreed to work together to efficiently serve Project Use and Preference Customer loads.
- 2.3 On August 15, 2017, WAPA's final 2025 Power Marketing Plan (Marketing Plan) was published in the Federal Register (82 FR 38675). The Marketing Plan sets forth how WAPA's Sierra Nevada Region will market the power generated from the CVP and Washoe Project.
- 2.4 The Marketing Plan provides that starting on January 1, 2025, WAPA will provide 98 percent of available CVP power to its existing Customers. Existing Customers will have the right to extend 98 percent of their current Base Resource percentage as provided in the Marketing Plan and under the terms and conditions of this Contract.
- 2.5 On June 17, 2019, WAPA's Notice of Final 2025 Resource Pool Allocations was published in the Federal Register (84 FR 28039), and SMUD received an allocation.
- 2.6 SMUD desires to purchase and WAPA is willing to provide a percentage of the Base Resource consistent with the Marketing Plan and the terms and conditions of this Contract.
- 2.7 Under the Marketing Plan, WAPA requires that its Customers schedule power in accordance with applicable operating requirements, including those of the balancing authority area operator and WAPA's sub-balancing authority area requirements.

1 2.8 WAPA markets power to Federal Preference Customers at the lowest 2 possible rates consistent with sound business principles pursuant to Section 1.1 3 of Delegation Order 00-037.00B. 4 5 3. **AGREEMENT**: 6 The Parties agree to the terms and conditions set forth herein. 7 8 4. **EFFECTIVE DATE AND TERM OF CONTRACT:** 9 4.1 This Contract shall become effective on the date of execution and shall 10 remain in effect until midnight of December 31, 2054, subject to prior termination 11 as otherwise provided for herein. 12 13 4.2 SMUD may reduce its Base Resource percentage or terminate this 14 Contract for any reason through June 30, 2024. 15 16 4.3 The date of initial service under this Contract is January 1, 2025. 17 18 5. **DEFINITION OF TERMS**: 19 As used herein, the following terms whether singular or plural, or used with or without 20 initial capitalization, shall have the following meanings: 21 5.1 "Ancillary Services" means those services that are necessary to support 22 the transmission of capacity and energy from resources to loads while 23 maintaining reliable operation of the transmission system in accordance with 24 Good Utility Practice. 25

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"BANC" means the Balancing Authority of Northern California or its

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successor.

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1 "Minimum Base Resource" means the amount of Base Resource energy 2 generated each hour as a result of CVP minimum water releases. 3 4 5.18 "NERC" means the North American Electric Reliability Corporation or its 5 successor. 6 7 "Operating Reserves" means the combination of spinning and non-5.19 8 spinning reserves required to meet WECC, NERC, and operating requirements, 9 including those of the balancing authority area or WAPA's sub-balancing 10 authority area. 11 12 5.20 "Portfolio Manager" means an entity responsible for determining balanced 13 hourly load and resource schedules for a Customer. 14 15 5.21 "Power" means capacity and energy. 16 17 "Preference" means the requirements of Reclamation Law that provide for 18 preference in the sale of Federal power be given to certain entities, such as 19 governments (state, Federal and Native American), municipalities and other 20 public corporations or agencies, and cooperatives and other nonprofit 21 organizations financed in whole or in part by loans made pursuant to the Rural 22 Electrification Act of 1936 (See, e.g., Reclamation Project Act of 1939, 23 Section 9(c), 43 USC 485h(c)). 24 25 "Primary Marketing Area" means the area generally encompassing 26 northern and central California, extending from the Cascade Range to the 27 Tehachapi Mountains and west-central Nevada. 28 ///

5.24 "Project Use" means power as defined by Reclamation Law and/or used to operate CVP and Washoe Project facilities.

- 5.25 "Rate" means the monetary charge or the formula for computing such a charge for any electric service provided by WAPA, including but not limited to charges for capacity (or demand), energy, or transmission service; however, it does not include leasing fees, service facility charges, or other types of facility use charges. A Rate will be set forth in a Rate Schedule or in a contract.
- 5.26 "Rate Adjustment" means a change in an existing Rate or Rates, or the establishment of a Rate or Rates for a new service. It does not include a change in Rate Schedule provisions or in contract terms, other than changes in the price per unit of service, nor does it include changes in the monetary charge pursuant to a formula stated in a Rate Schedule or a contract.
- 5.27 "Rate Adjustment Procedures" means those procedures for Rate Adjustments developed by WAPA, Department of Energy (DOE) or FERC which include DOE Order 00-037.00B, DOE Order RA 6120-2, 10 CFR 903, and 18 CFR 300, as may be amended.
- 5.28 "Rate Effective Date" means the first date of the billing period to which a Rate Schedule or Rate Schedule extension applies. WAPA will provide notice to the Customers of the Rate Effective Date.
- 5.29 "Rate Schedule" means a document identified such as a "Rate Schedule," "Schedule of Rates," or "Schedule Rate" which designates the Rate or Rates applicable to a class of service specified therein and may contain other terms and conditions relating to the service. On the effective date of this Contract,

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18 CFR 300.1(b)(6) provides FERC may not approve a WAPA Rate Schedule for a period that exceeds five (5) years. The Rate Schedule shall include the Rate Effective Date and the effective period of the Rate Schedule.

5.30 "Regional Transmission Organization (RTO)" means an organization that meets the minimum characteristics and performs the minimum functions specified in FERC Order 2000, as that order may be amended or superseded.

5.31 "Regulation" means the service provided by generating units equipped and operating with automatic generation control which will enable such units to respond to direct control signals in an upward or downward direction to match, on a real time basis, demand and resources, consistent with WECC, NERC, and the balancing authority area operator's criteria.

5.32 "Scheduling Coordinator" means an entity that is responsible for providing hourly load and resource schedules to the balancing authority area operator or WAPA's sub-balancing authority area, in accordance with a FERC-approved tariff or WAPA's procedures and practices.

- 5.33 "Variable Resource Customer" means a Customer that is responsible for managing its own energy portfolio.
- 5.34 "Washoe Project" means the Federal water project located in the Lahontan Basin in west-central Nevada and east-central California.
- 5.35 "WECC" means the Western Electricity Coordinating Council or its successor.

6. BASE RESOURCE ESTIMATES AND AVAILABILITY FORECAST:

- 6.1 At the beginning of each water year, WAPA will post to WAPA's external website a five-year forecast of Base Resource Operating Capability estimated to be available, based on high, average, and low hydrological conditions. The forecast will contain the following information:
 - 6.1.1 Maximum Operating Capability of the CVP for each month;
 - 6.1.2 Energy required for estimated Project Use loads, First Preference Customers' loads, and ancillary service requirements.
- 6.2 Each month, WAPA will post to WAPA's external website a monthly Base Resource forecast of Base Resource Operating Capability and energy estimated to be available for each month on a rolling twelve-month basis, based on high, average, and low hydrological conditions. The monthly forecast will contain the following information:
 - 6.2.1 Maximum Operating Capability of the CVP for each month;
 - 6.2.2 Energy required for estimated Project Use loads, First Preference Customers' loads, and ancillary service requirements.
- 6.3 WAPA shall make reasonable efforts, within its control, to ensure the forecasted Base Resource will be available.

7. ELECTRIC SERVICE FURNISHED BY WAPA:

- 7.1 SMUD will be entitled to receive a percentage of the Base Resource as set forth in Exhibit A.
- 7.2 The estimated amount of energy available to SMUD shall be determined by multiplying its Base Resource percentage by the total amount of Base Resource energy available during that period.

7.3 The minimum amount of energy SMUD will be required to schedule for each hour shall be determined by multiplying its Base Resource percentage by the Minimum Base Resource, unless otherwise agreed to by WAPA. However, if SMUD does not have sufficient load to take its percentage of the Minimum Base Resource, any excess energy shall be made available to WAPA for the Exchange Program as described later in this Contract under Section 10 and Exhibit B.

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7.4 The maximum amount of energy SMUD may schedule in any hour shall be determined by multiplying its Base Resource percentage by the Base Resource Operating Capability. However, SMUD may schedule energy in excess of this maximum, if approved by WAPA, to accommodate purchases or exchanges from the Exchange Program.

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7.5 SMUD will be entitled to the benefit of available regulation and operating reserves from the CVP in proportion to its Base Resource percentage. The method for calculating regulation and operating reserves is set forth in Exhibit C.

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7.6 WAPA's obligation to provide SMUD's Base Resource is limited to the actual CVP generation available on a real-time basis. WAPA shall have no obligation to replace any Base Resource that is unavailable; for instance, Base Resource that is unavailable due to scheduled maintenance, system emergencies, forced outages, or other constraints. Any costs incurred by either Party as a result of deviations between actual and scheduled Base Resource energy shall be the responsibility of SMUD. WAPA will notify SMUD as soon as reasonably practicable of any situation that will impact the availability of the Base Resource, and will modify schedules accordingly, on a pro-rata basis.

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7.7 Due to the variable nature of the Base Resource, WAPA may provide a Custom Product upon a Customer's request. Any Custom Product will be the subject of a separate contractual arrangement.

8. **DELIVERY ARRANGEMENTS:**

- 8.1 WAPA will make SMUD's Base Resource available at the generator bus or such other delivery point(s) on the CVP transmission system as the Parties will mutually agree, as specified in Exhibit A. WAPA reserves Network Integration Transmission Service for the delivery of Base Resource on the CVP transmission system under its Open Access Transmission Tariff (OATT). The rates and terms of this service shall be in accordance with WAPA's then-current rate schedule and OATT.
- 8.2 If requested by WAPA, SMUD must provide written notification to WAPA by July 1, 2024, demonstrating that it has arranged for delivery of its Base Resource energy to its load. Such notification shall include both transmission and distribution level arrangements, as applicable. WAPA shall have no obligation to make Base Resource available to SMUD if delivery arrangements are not in effect. However, SMUD shall not be relieved of its obligation to pay its percentage share of the Base Resource during the time in which delivery arrangements are not in effect.

9. SCHEDULING PROCEDURES, BUSINESS PRACTICES AND PROTOCOLS:

9.1 All energy furnished by WAPA to SMUD will be provided on a scheduled basis. SMUD agrees to abide by the scheduling procedures, business practices and protocols of the applicable balancing authority area or WAPA's subbalancing authority area, as set forth on WAPA's website. The Parties recognize that the scheduling procedures, business practices and protocols may require

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modification from time-to-time to reflect updated operating procedures that may become applicable to the Parties. In such event, WAPA will make such changes in accordance with Section 17 of this Contract.

- 9.2 Designation of Scheduling Coordinator (SC): If SMUD is required to have a Scheduling Coordinator; SMUD shall notify WAPA of its designated Scheduling Coordinator not less than ninety (90) days prior to the date of initial service under this Contract. In the event that SMUD's Scheduling Coordinator arrangement changes, SMUD shall notify WAPA in writing, not less than thirty (30) days prior to the change, unless a shorter notification period is agreed to by WAPA.
- 9.3 If WAPA is SMUD's Portfolio Manager, as set forth in a separate Custom Product Contract, all scheduling activities and responsibilities will be performed by WAPA on behalf of SMUD. At such time as WAPA is no longer SMUD's Portfolio Manager, then SMUD will be responsible for performance of its duties under this Section 9.
- 9.4 WAPA will provide Customers with the opportunity to comment on WAPA's maintenance and operations plans. WAPA will facilitate Customer meetings with the Bureau of Reclamation regarding cost and operation planning.
- 9.5 In the event that SMUD does not abide by the protocols, business practices and procedures and WAPA incurs costs as a result, SMUD is responsible for and shall pay such costs.

10. **EXCHANGE PROGRAM:**

- 10.1 WAPA will establish and manage an Exchange Program to allow all Customers to fully and efficiently use their Base Resource percentage. The Exchange Program is a mechanism to:
 - 10.1.1 Make available to WAPA, for provision to other Customers, any Base Resource energy a Customer cannot use on a pre-scheduled basis due to insufficient load; and
 - 10.1.2 Help mitigate the costs incurred by a Customer for the power it is obligated to pay for, but may not be able to use.
- 10.2 Under the Exchange Program, all Base Resource energy in excess of SMUD's load will be retained by WAPA and offered by WAPA for sale to other Customers. SMUD may purchase energy from the Exchange Program. While WAPA's retention of excess Base Resource is mandatory, purchasing from the Exchange Program is voluntary.
- 10.3 The Exchange Program procedures are set forth in Exhibit B. WAPA may change the program and procedures of the Exchange Program in accordance with Section 17 of this Contract.
- 10.4 WAPA will also offer a seasonal Exchange Program. Under the seasonal Exchange Program, SMUD may elect to make available to WAPA that portion of its Base Resource percentage that it is unable to use due to insufficient load. SMUD, through WAPA, will be able to exchange its unusable Base Resource percentage with other Customers. Any Customer may submit a request to WAPA to exchange or purchase energy through the seasonal Exchange Program. Details of a seasonal exchange will be developed with the Customer upon request by that Customer.

10.5 Exchanges of the Base Resource between SMUD and others outside of the WAPA-managed Exchange Programs, or other WAPA-managed programs, are prohibited.

11. INDEPENDENT SYSTEM OPERATOR OR REGIONAL TRANSMISSION ORGANIZATION:

WAPA is a sub-balancing authority area within BANC. WAPA operates in conformance with its sub-balancing authority area and BANC's balancing authority area protocols, business practices and procedures. In the event of changes to any protocols, business practices and procedures, WAPA may make any changes necessary to this Contract to conform to the operating and scheduling protocols, business practices and procedures in accordance with Section 17 of this Contract.

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The Parties understand that, in the future, WAPA may also change its operating configuration such as by: (1) joining an independent system operator or RTO or (2) participating in future markets such as energy imbalance markets; or (3) making system configurations to meet future operating requirements. In such an event, if WAPA is required to conform to the protocols, business practices or procedures, WAPA shall make changes to this Contract to conform to the terms and conditions required by such events in accordance with Section 17 of this Contract.

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In the event that: 1) WAPA incurs costs from the balancing authority area, WAPA's sub-balancing authority area, CAISO, an RTO, or a different balancing authority area for serving SMUD's load; or 2) SMUD does not abide by the protocols business practices, or procedures of the balancing authority area, an RTO, or other balancing authority area operator that are applicable to WAPA and

Contract 20-SNR-02354 14 WAPA incurs costs as a result, SMUD agrees to pay all such costs attributable to SMUD.

12. **WAPA RATES:**

12.1 The Base Resource will be provided on a take-or-pay basis. SMUD will be obligated to pay its Base Resource percentage share in accordance with the Rate Schedule attached hereto, whether or not it takes or uses its full Base Resource percentage.

12.2 SMUD shall pay for the electric service furnished hereunder in accordance with the Rates, charges, and conditions set forth in the CVP Schedule of Rates applicable to the Base Resource, effective January 1, 2025, or any superseding Rate Schedule.

12.3 Rates applicable under this Contract shall be subject to change by WAPA in accordance with appropriate Rate Adjustment Procedures. If, at any time, WAPA announces that it has received approval of a Rate Schedule, or extension of an existing Rate Schedule applicable to this Contract, or if a Rate Adjustment Procedure is amended, WAPA will promptly notify SMUD thereof.

12.4 SMUD, by providing written notice to WAPA within ninety (90) days after the Rate Effective Date of a Rate Schedule or Rate Schedule extension applicable to this Contract, may elect to reduce its Base Resource percentage or terminate this Contract. SMUD shall designate a Base Resource percentage reduction or termination effective date that will be effective on the last day of the billing month not later than two (2) years after the Rate Effective Date. If the termination effective date is after the Rate Effective Date, the new or extended Rates shall apply for service taken by SMUD until the termination effective date.

percentage, WAPA will begin the process to reallocate the Base Resource to other Preference Customers. SMUD may not revoke its notice to terminate or reduce its Base Resource unless WAPA provides written consent.

Once SMUD provides notice to terminate or reduce its Base Resource

12.5 Rates shall become effective under this Contract on the Rate Effective Date stated in a Rate notice.

13. **INTEGRATED RESOURCE PLAN:**

13.1 In accordance with the Energy Policy Act of 1992, SMUD is required to meet the requirements of WAPA's Energy Planning and Management Program (EPAMP). To fulfill the requirements of EPAMP, SMUD must develop and submit an integrated resource plan or alternative report, as applicable. Specific EPAMP requirements are set forth in the Federal Register at (64 FR 62604) and may be found on WAPA's website. Failure to comply with WAPA's EPAMP requirements may result in penalties as specified therein. SMUD understands that WAPA may re-evaluate its EPAMP requirements and change them from time-to-time as appropriate. Such changes will be subject to a public process and publication in the Federal Register.

13.2 Should the EPAMP requirements be eliminated, SMUD shall have no responsibilities under Section 13.1.

14. ADJUSTMENT OF BASE RESOURCE PERCENTAGE:

14.1 Prior to the date of initial service, WAPA may adjust SMUD's Base Resource percentage, as set forth in Exhibit A herein, if WAPA determines that SMUD's Base Resource percentage is greater than its actual usage, as specified in the Marketing Plan.

Contract 20-SNR-02354 17

install, operate, maintain, and replace, meters and associated metering

equipment required for deliveries of WAPA power scheduled to each delivery point on the WAPA grid, the CAISO-controlled grid, a utility distribution company grid, or other electrical system, as may be applicable. Such meters shall comply with the all applicable meter requirements. For instance, meters on:

- 15.1.1 WAPA's system must meet WAPA's meter requirements;
- 15.1.2 CAISO's system must meet CAISO's meter requirements; and/or
- 15.1.3 Pacific Gas & Electric Company's (PG&E) system must meet PG&E's meter requirements.

15.2 SMUD shall measure power deliveries and provide certified settlementquality metering data to WAPA as requested. It is generally contemplated that WAPA will require this data on a monthly basis.

15.3 If WAPA previously installed and furnished a meter to SMUD, WAPA shall be allowed unrestricted, unescorted access to its revenue meter equipment.

SMUD shall provide a minimum of three (3) keys or the combination to SMUD's existing locks. Alternatively, WAPA may provide a WAPA-owned padlock(s). Access shall include all gates and/or doors required to access the metering equipment.

15.4 Upon request by SMUD, to evidence receipt of the Environmental Attributes, WAPA shall timely provide meter data or other mutually agreed upon data to SMUD measuring the amount of CVP energy that is generated and delivered to SMUD. Upon mutual agreement of Customers, WAPA and Reclamation, such meters shall be modified or replaced to meet appropriate standards or requirements to convey CVP Environmental Attributes to Customers.

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16. CHANGES IN ORGANIZATIONAL STATUS:

- 16.1 If SMUD changes its organizational status or otherwise changes its obligation to supply electric power to Preference loads, WAPA reserves the right to adjust WAPA's power sales obligations under this Contract or to terminate this Contract, as WAPA deems appropriate. Changes in organizational status include but are not limited to:
 - 16.1.1 Merging with another entity;
 - 16.1.2 Acquiring or being acquired by another entity;
 - 16.1.3 Creating a new entity from an existing one;
 - 16.1.4 Joining or withdrawing from a member-based power supply organization; or
 - 16.1.5 Adding or losing members from its membership organization.
- 16.2 For the purposes of this Section 16, a member is any Preference entity that is included in a membership, which has the responsibility of supplying power to the end-use consumer or Customer. Memberships include but are not limited to:
 - 16.2.1 Municipality;
 - 16.2.2 Cooperative;
 - 16.2.3 Joint powers authority; or
- 16.2.4 Governmental agency.

16.3 For purposes of this Section 16, participation in a State promulgated direct access program shall not be deemed to be a change in a Customer's organizational status or its obligation to supply electric power to Preference loads.

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16.4 Prior to making an organizational change, SMUD may request an opinion from WAPA as to whether SMUD's proposed organizational change will result in an adjustment of SMUD's Base Resource percentage or termination under this Section 16. SMUD shall provide WAPA with all relevant documents and information regarding the proposed organizational change. Based on the documents and information furnished, WAPA will provide SMUD with an opinion.

16.5 In addition to the above, if the change in organizational status results in a proposed transfer of the Contract, or any portion thereof, Section 37 of the General Power Contract Provisions (GPCP), "Transfer of Interest in Contract," generally requires the Customer to obtain prior written approval from WAPA's Administrator. Organizational changes that typically propose transfer of the Contract, or a portion of the Contract, and require prior written approval from WAPA include but are not limited to:

- 16.5.1 Merging with another entity;
- 16.5.2 Acquiring or being acquired by another entity;
- 16.5.3 Joining an entity; and
- 16.5.4 Creating a new entity.

17. PROTOCOLS, BUSINESS PRACTICES AND PROCEDURES:

WAPA reserves the right to make changes to protocols, business practices and procedures, as needed. Prior to making any changes, WAPA will provide notice to SMUD and provide SMUD with an opportunity to comment on such changes. WAPA will consider any comments made by SMUD before making any changes, and shall provide a written response to the comments. After a final decision is made by WAPA, if SMUD is not satisfied with the decision, SMUD shall have thirty (30) days from the date of WAPA's final decision to appeal the change to WAPA's Administrator. WAPA will not implement a change that has been appealed until a final decision by the Administrator.

Notwithstanding the provisions within this Section 17, SMUD shall retain its right to pursue other legal remedies available to it.

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18. **ENFORCEABILITY:**

It is not the intent of the Parties that this Contract confer any rights on third parties to enforce the provisions of this Contract except as required by law or express provision in this Contract. Except as provided in this Section 18, this Contract may be enforced, or caused to be enforced, only by WAPA or SMUD, or their successors or assigns.

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19. **GENERAL POWER CONTRACT PROVISIONS:**

- 11 The GPCP, effective September 1, 2007, attached hereto, are hereby made a part of
- 12 this Contract, the same as if they had been expressly set forth herein; Except
- 13 Section 11 shall not be applicable to this Contract. In the event of a conflict between
- 14 the GPCP and the provisions in the body of this Contract, the Contract shall control.
- 15 The usage of the term "Contractor" in the GPCP shall mean SMUD. The usage of the
- 16 I term "firm" in Articles 17 and 18 of the GPCP shall be deemed to be replaced with the
- 17 words "Base Resource."

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20. **EXHIBITS MADE PART OF CONTRACT:**

- 20 Exhibit A (Base Resource Percentage and Point(s) of Delivery), Exhibit B (Exchange
- 21 | Program), Exhibit C (Regulation and Reserves), and Exhibit D (Rate Schedule) existing
- 22 | under this Contract may vary during the term hereof. Each of said exhibits shall
- 23 | become a part of this Contract during the term fixed by its provisions. Exhibits A, B, C,
- 24 | and D are attached hereto, and each shall be in force and effect in accordance with its
- 25 | terms until respectively superseded by a subsequent exhibit.
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21. **EXECUTION BY COUNTERPARTS:**

This Contract may be executed in any number of counterparts and, upon execution and delivery by each Party, the executed and delivered counterparts together shall have the same force and effect as an original instrument as if all Parties had signed the same instrument. Any signature page of this Contract may be detached by any counterpart of this Contract without impairing the legal effect of any signatures thereon, and may be attached to another counterpart of this Contract identical in form hereto, by having attached to it one or more signature pages.

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22. **ELECTRONIC SIGNATURES:**

11 The Parties agree that this Contract may be executed by handwritten signature or

digitally signed using Adobe Sign or Adobe E-Signature. An electronic or digital

signature is the same as a handwritten signature and shall be considered valid and

14 acceptable.

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1	IN WITHESS WHEREOF, the Parties h	lave caused this Contract to be executed the day
2	and year first above written.	
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4		WESTERN AREA POWER ADMINISTRATION
5		
6		By:
7		Name: Arun K. Sethi
8		Title: Vice President of Power Marketing
9		for Sierra Nevada Region
11		Address: 114 Parkshore Drive
12		Folsom, CA 95630-4710
13		
14		
15		SACRAMENTO MUNICIPAL UTILITY DISTRICT
16		
17		By:
18	Attest:	Name:
19	By:	Title:
20	Name:	Address:
21		, ida, 600.
22	Title:	
23		
24		
25		

Contract 20-SNR-02354 23

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Resolution/Certificate

EXHIBIT A

(Base Resource Percentage and Point(s) of Delivery)

- 1. This Exhibit A, to be effective under and as part of Contract 20-SNR-02354 (Contract), shall become effective upon execution of the Contract; and shall remain in effect until either superseded by another Exhibit A or termination of the Contract.
- 2. Pursuant to the Marketing Plan, SMUD's extended Base Resource percentage is 24.94590.
- 3. Pursuant to the Final 2025 Resource Pool Allocations, SMUD received 0.01735 percent of the Base Resource.
- 4. On the effective date of this Exhibit A, SMUD's percentage of the Base Resource is 24.96325.
- 5. SMUD's Base Resource percentage may be adjusted by WAPA as specified in the Contract.
- 6. SMUD's Base Resource percentage will be adjusted effective January 1, 2040, in accordance with the Marketing Plan, to establish the 2040 Resource Pool for new power allocations.
- 7. The point(s) of delivery on the CVP transmission system for SMUD's Base Resource shall be the Elverta 230-kV Substation, the Hurley 230-kV Substation, and Folsom 230-kV Substation, or as requested by SMUD and approved by WAPA.
- 8. All power deliveries provided under this Contract shall be adjusted for the applicable transformation and transmission losses on the 230-kV system. Additional transformation and/or transmission losses shall be applied to deliveries at other than the 230-kV level.
- 9. This Exhibit A shall be replaced by WAPA as necessary under the terms and conditions set forth in the Contract, and a signature is not required by either Party.

EXHIBIT B (Exchange Program)

- 1. This Exhibit B, to be effective under and as a part of Contract 20-SNR-02354, (Contract) shall become effective upon execution of the Contract; and, shall remain in effect until superseded by another Exhibit B or termination of the Contract.
- 2. SMUD is in agreement with the procedures set forth herein.
- 3. If necessary, WAPA retains the right to make subsequent revisions to Exhibit B after consultation with its Customers. At such time as WAPA promulgates a revision of this Exhibit B, SMUD shall have the option of either accepting the new revision to this Exhibit B or opting out of making purchases from the Exchange Program. If WAPA does not receive notice from SMUD opting out of making purchases from the Exchange Program within 30 days of SMUD's receipt of a revised Exhibit B, SMUD may automatically continue to make purchases from the Exchange Program if already participating.

4. Exchange Program:

- 4.1 WAPA has established separate Exchange Program for the Full Load Service Customer group and the Variable Resource Customer group. A Customer cannot be in both the Full Load Service Customer group and the Variable Resource Customer group at the same time.
- 4.2 The Exchange Program will take place on a pre-scheduled basis.
- 4.3 Base Resource power in excess of a Customer's load in any hour will be distributed by WAPA in the applicable Exchange Program group (Full Load Service or Variable Resource).
- 4.4 A Customer may choose whether to make purchases from the Exchange Program for its group. Participation in making purchases from the Exchange Program requires a Customer to accept Exchange Program power if it has load in that hour. However, even if a Customer chooses not to participate in making purchases, if that Customer's Base Resource amount exceeds its load in any hour, the excess will go into the Exchange Program for that Customer's group for that hour, for use by participating Customers with load not met by Base Resource power in that hour. In other words, the retention of Base Resource in excess of a Customer's load is mandatory, while participation in making purchases from the Exchange Program is voluntary.

- 4.5 If a Customer chooses not to make purchases from the Exchange Program, a written notice to that effect must be submitted to WAPA by November 1, 2024. Thereafter, a Customer must submit a written notice to WAPA at least one (1) month prior to changing its participation status; Except if a Customer has elected to make purchases from the Exchange Program and subsequently changes its participation status, the Customer must wait a minimum of one (1) year to again participate in the Exchange Program. Participation status will change on the first day of the month following the required notice period or the minimum one (1) year waiting period.
- 4.6 A Customer must use its Base Resource power prior to using any other source to meet its load, unless agreed to by WAPA in writing. A Customer participating in the Exchange Program must use Exchange Program power prior to any other source to meet its load, unless agreed to by WAPA in writing.
- 4.7 Each participating Customer in each group will receive an equal share in megawatts of that group's Exchange Program power available for that hour, up to the Customer's unmet load in that hour.
- 4.8 Any Exchange Program power that is excess to a Customer's unmet load will go back to the Exchange Program for the group to which the Customer belongs, for that same hour. This power will be reallocated to participating Customers in that group on an equal basis until either that group's Exchange Program has no remaining power in that hour, or no participating Customers in that group have unmet load in that hour.
- 4.9 If there is power remaining in the Full Load Service Exchange Program or the Variable Resource Exchange Program in any hour, and none of the participating Customers in that group have unmet load in that hour, the remaining power will go to the other group's Exchange Program for that same hour.
- 4.10 If, in any hour, no participating Customers have unmet load but there is power remaining in either group's Exchange Program, that power may be offered for sale by WAPA unless the amount of power is de minimis.
- 4.11 Customers' power bills will be adjusted to reflect transactions into and out of the Exchange Program.

EXHIBIT C (Regulation and Reserves)

1. This Exhibit C to be effective under and as a part of Contract 20-SNR-02354 (Contract), shall become effective upon execution of the Contract; and, shall remain in effect until superseded by another Exhibit C or termination of the Contract.

2. <u>Definitions of Terms</u>:

- 2.1 Contingency Reserve: An additional amount of operating reserves sufficient to reduce Area Control Error (ACE) to zero in ten minutes following loss of generating capacity, which would result from the most severe single contingency. Contingency Reserves will consist of Spinning and Nonspinning Reserves.
- 2.2 Frequency Response Reserves: Spinning Reserves which provide the required Frequency Response needed for the reliable operation of an interconnection. The energy is provided by the generator's governor's response to a frequency deviation from scheduled system frequency.
- 2.3 Nonspinning Reserve: That operating reserve not connected to the system but capable of serving demand within ten minutes, or interruptible load that can be removed from the system within ten minutes.
- 2.4 Spinning Reserve: Unloaded generation which is synchronized and ready to serve additional demand.
- 3. WAPA's Disposition of Contingency Reserves and Regulation:
 - 3.1 Contingency Reserves: WAPA will provide all Base Resource schedules with Contingency Reserves, including Spinning, Nonspinning, and Frequency Response Reserves. Contingency Reserves will be provided from CVP generation as available, or procured from other sources as necessary.
 - 3.2 Regulation: WAPA will not provide Regulation with Base Resource schedules. Any sales of Regulation by WAPA will be credited against the Power Revenue Requirement.

EXHIBIT D (Rate Schedule)

- 1. This Exhibit D to be effective under and as a part of Contract 20-SNR-02354 (Contract), shall become effective upon execution of the Contract; and, shall remain in effect until superseded by another Exhibit D or termination of the Contract.
- 2. The CVP Schedule of Rates for Base Resource and First Preference Power (CV-F13) begins on page 2 of this Exhibit D.
- 3. This Exhibit D shall be replaced by WAPA as necessary under the terms and conditions set forth in the Rate Schedule, and a signature is not required by either Party.

SSS No.		
BOD 2021-003		

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
ERCS 2021
Board Meeting Date
N/A

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ТО										ТО				
1. Stephen Clemons							6.							
2.	Frankie M	cDerm	nott				7.							
3.							8.							
4.							9.	Legal					•	
5.							10.	CEO	& (Gener	al N			
Consent (Calendar		Yes	х	No If no, so presentation	rhedule a dry run n.	Bud	geted		Yes		No (If no, explair section.)	in in Cost/	Budgeted
FROM (IPR)					DEPARTMENT						MAIL STOP	EXT.	DATE SENT
Brandon	Rose / Donn	a Lofto	on			Board Office						B307	5079	12/22/20
NARRATI	VE:													•
Summary: During a Board discussion at the January 2017 Policy Committee, the Board requested having an on-goin opportunity to do a wrap up period at the end of each committee meeting to summarize various Board member suggestions and requests that were made at the meeting in an effort to make clear the will of the Board. The Committee Chair will summarize Board member requests that come out of the committee presentations for this meeting. Board Policy: GP-4 Agenda Planning states the Board will focus on the results the Board wants the organization to achieve. Benefits: Having an agendized opportunity to summarize the Board's requests and suggestions that arise during									arious Board the will of the e committee ganization to					
Co	st/Budgeted		/A	111111	ee meeting	will help clarify v	viiai iiie	WIII OI	ше	Doard	1.			
	Alternatives: Not summarize the Board's requests at this meeting.													
Affe	ected Parties	s: Bo	Board of Directors and Executive Staff											
C	Coordination	ı: De	onna l	Loft	on, Special	Assistant to the E	Board							

Additional Links:		

SUBJECT Summary of Committee Direction ITEM NO. (FOR LEGAL USE ONLY)

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.

Presenter: Brandon Rose, ERCS Committee Chair

SMUD-1516 1/16 Forms Management