



651 Commerce Drive
Roseville, CA 95678

phone (916) 781-3636
fax (916) 783-7693
web www.ncpa.com

Minutes

Date: August 14, 2023
To: NCPA Facilities Committee
From: Carrie Pollo
Subject: August 2, 2023 Facilities Committee Meeting Minutes

- 1. Call meeting to order & Roll Call** – The meeting was called to order by Committee Chair Alan Harbottle (Alameda) at 9:09 am. Attending via teleconference and on-line presentation were Midson Hay and Ben Rings (Alameda), Jake Carter (Gridley), Shiva Swaminathan (Palo Alto), Mike Brozo (Plumas-Sierra), Khaly Nguyen (Port of Oakland), Nick Rossow (Redding), and Monica Nguyen and Basil Wong (Santa Clara). Those attending in person are listed on the attached Attendee Sign-in Sheet. Committee Representatives from BART, Biggs, Healdsburg, Lompoc, Shasta Lake, TID, and Ukiah were absent. A quorum of the Committee was established.

PUBLIC FORUM

No public comment.

OPEN SESSION

DISCUSSION / ACTION ITEMS

- 2. Approval of Minutes** – Approve minutes from the July 5, 2023 Facilities Committee meeting.

Motion: A motion was made by Brian Schinstock and seconded by Khaly recommending approval of the minutes from the July 5, 2023 Facilities Committee meeting. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Plumas-Sierra, Port of Oakland, Redding, Roseville, and Santa Clara. The motion passed.

- 3. All NCPA Facilities, Members, SCPA – Advanced Turbine Support, LLC MTCSA** – Staff presented background information and was seeking a recommendation for Commission approval of a five-year Multi-Task Consulting Services Agreement with Advanced Turbine Support, LLC for borescope and non-destructive turbine inspection services, with a not to exceed amount of \$500,000, for use at all facilities owned and/or operated by NCPA, NCPA Members, by SCPA, and SCPA Members.

This is a current NCPA vendor. NCPA has utilized this vendor in the past, and has a good working relationship with this vendor. The current agreement is expiring. NCPA desires to enter into this agreement so established terms and conditions are in place should this vendor be the

successful bidder on future purchases. This enabling agreement does not commit NCPA to any expenditure of funds. At the time services are needed, NCPA will bid the specific scope of work consistent with NCPA procurement policies and procedures. NCPA has one other agreement in place with Allied Power Group, LLC for similar services. A draft Commission Staff Report, and agreement were available for review. It is recommend to place this item on the Commission Consent Calendar.

Motion: A motion was made by Jiayo Chiang and seconded by Brian Schinstock recommending Commission approval authorizing the General Manager or his designee to enter into a Multi-Task Consulting Services Agreement with Advanced Turbine Support, LLC for borescope inspection and non-destructive testing services, with any non-substantial changes recommended and approved by the NCPA General Counsel, which shall not exceed \$500,000 over five years, for use at any facilities owned and/or operated by NCPA, NCPA Members, by SCPPA and SCPPA Members. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Plumas-Sierra, Port of Oakland, Redding, Roseville, and Santa Clara. The motion passed.

4. **All NCPA Facilities, Members, SCPPA – Titan Crane & Rigging, Inc. MTGSA – Staff** presented background information and was seeking a recommendation for Commission approval of a five-year Multi-Task General Services Agreement with Titan Crane & Rigging, Inc. for crane related services, with a not to exceed amount of \$500,000, for use at all facilities owned and/or operated by NCPA, NCPA Members, by SCPPA, and SCPPA Members.

This is a current NCPA vendor. NCPA has utilized this vendor in the past, and has a good working relationship with this vendor. The current agreement is expiring. NCPA desires to enter into this agreement so established terms and conditions are in place should this vendor be the successful bidder on future purchases. This enabling agreement does not commit NCPA to any expenditure of funds. At the time services are needed, NCPA will bid the specific scope of work consistent with NCPA procurement policies and procedures. Other agreements in place for similar services include American Crane (pending), Hatton Crane, Maxim Crane, OST Trucks & Cranes and Summit Crane. A draft Commission Staff Report, and agreement were available for review. It is recommend to place this item on the Commission Consent Calendar.

Motion: A motion was made by Jake Carter and seconded by Brian Schinstock recommending Commission approval authorizing the General Manager or his designee to enter into a Multi-Task General Services Agreement with Titan Crane & Rigging, Inc. for crane related services, with any non-substantial changes recommended and approved by the NCPA General Counsel, which shall not exceed \$500,000 over five years, for use at any facilities owned and/or operated by NCPA, NCPA Members, by SCPPA and SCPPA Members. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Plumas-Sierra, Port of Oakland, Redding, Roseville, and Santa Clara. The motion passed.

5. **Scheduling Coordination Program Agreement Appendix B – Staff** reviewed updates to Appendix B (new version 25), that include new settlement charge codes associated with the CAISO's Real Time Assistance Energy Transfer allocation and surcharge, and was seeking a recommendation for Commission approval.

Appendix B to the Scheduling Coordination Program Agreement (SCPA) defines how settlement amounts received by the CAISO are allocated to Members' aggregated loads and jointly owned resources. Modifications are occasionally necessary to keep current with CAISO's evolving market settlements design changes as well as updated to accurately reflect NCPA's business model that operates as a Load Following Metered Subsystem Aggregator (MSSA). NCPA utilizes a two-step process for settlement allocation to Members: 1) Energy Service Providers (ESP) Estimates that represent aggregate entitlement shares at the parent level; such as NCPA

Pool, Santa Clara, Roseville, etc., and 2) Pool Member allocation based on the applicable allocation basis.

The two new modifications include a Real Time Assistance Energy Transfer Surcharge which applies to ESP Net Measure Demand less load served by Custom Load Aggregation Point (CLAP) and/or Transmission Ownership Rights (TOR). Pool Allocation – City Net Metered Demand less TOR. The second modification is a Real Time Assistance Energy Transfer Allocation, which applies to the generating resources bill determinant – each resource’s net positive imbalance energy, summed over the ESP level based on each applicable Member’s incremental IIE quantities for each resource. These modifications and new charge codes became effective July 1, 2023.

Due to the lack of a quorum, no formal action was taken. However, the Members present at the meeting voiced their support of the recommendation for Commission approval of Version 25 of Appendix B to the Scheduling Coordination Program Agreement effective operating date July 1, 2023 and authorize NCPA staff under the direction of the NCPA General Manager to implement the provisions thereto. No other meeting attendees had any objections or questions. This item will move forward to the next Commission Meeting scheduled August 24, 2023 on the Commission Consent Calendar.

6. CY 2024 NCPA Capacity Pool Rates – Staff reviewed the proposed CY 2024 NCPA Capacity Pool Rates and was seeking a recommendation for Commission approval of the Resource Adequacy capacity rates to be used in the NCPA Capacity Pool during calendar year 2024.

Each Pool Member has established a Resource Adequacy Program that works in conjunction with the CAISO Resource Adequacy Program. To enable efficient transfers of Resource Adequacy Capacity between the Pool Members, NCPA developed the Capacity Pool that is fully described in Pooling Agreement Schedule 4. Pursuant to Section 3.8 of Pooling Agreement Schedule 4, capacity pricing for system, local area and flexible capacity will be developed annually, and will be established pursuant to Commission adoption and approval.

- The price may be developed via one (or a combination) of the following methods:
 - Negotiated Price
 - Market Price Survey
 - CAISO backstop procurement proxy value

CY 2023 NCPA Capacity Rates

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Local	\$ 4.50	\$ 4.50	\$ 4.25	\$ 4.25	\$ 5.00	\$ 6.50	\$ 6.50	\$ 7.50	\$ 8.50	\$ 7.50	\$ 4.50	\$ 4.50
System	\$ 4.00	\$ 4.00	\$ 3.75	\$ 3.75	\$ 4.50	\$ 6.00	\$ 6.00	\$ 7.00	\$ 8.00	\$ 7.00	\$ 4.00	\$ 4.00
Flex	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50

NCPA Staff recommends establishing the following as the Resource Adequacy Capacity rates to be used in the CY 2024 NCPA Capacity Pool (\$/kW-month):

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
Local	\$ 4.00	\$ 4.00	\$ 4.00	\$ 4.00	\$ 5.50	\$ 5.50	\$ 6.50	\$ 8.50	\$ 10.50	\$ 7.50	\$ 4.00	\$ 4.00
System	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50	\$ 5.00	\$ 5.00	\$ 6.00	\$ 8.00	\$ 10.00	\$ 7.00	\$ 3.50	\$ 3.50
Flex	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50

- ***Please note – Cindy Sauers with the City of Ukiah joined during the presentation of item #6.***

Motion: A motion was made by Jiayo Chiang and seconded by Shiva Swaminathan recommending, subject to an alternative recommendation as may be provided by the NCPA Pooling Committee, Commission approval of the Resource Adequacy Capacity rates to be used in the CY 2023 NCPA Capacity Pool, as presented at the August 2, 2023 Facilities Committee meeting. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, and Port of Oakland. ABSTAIN = Redding, Roseville, Santa Clara, and Ukiah. The motion passed.

- 7. Scheduling Coordinator Agreement for Yuba City Strategic Reserve Resource –** Staff presented background information and reviewed the Scheduling Coordinator Services Agreement between NCPA and the California Department of Water Resources (CDWR) to supply scheduling coordinator services for the Strategic Reserve Resource located in Yuba City, California.

CDWR has inquired with NCPA about supplying SC Services for the Yuba City Strategic Reserve Project. This project is very similar to the Lodi Strategic Reserve with the same design, however the technology is different. The resource is two 30 MW combustion turbines certified as energy only to be used during emergency operations per CAISO 4420. The owner of the facilities is CDWR and the operator is Calpine.

The scope of services includes development and submission of schedules and bids for the facility into the CAISO markets, planned and forced outage coordination with the CAISO, collect SQMD to perform CAISO settlement validation, and to review, validate, and reconcile CAISO settlement charges and credits, dispatch the facility in accordance with scheduling procedures, call-out field and emergency personnel, and operational coordination. Staff is requesting feedback from Members.

NCPA has presented a Statement of Qualification to CDWR for review and is working on a draft SC Agreement for review as well. The NCPA technical team is working with CDWR to better understand the technical requirements. Staff is waiting on feedback from CDWR. This item will be brought back to a future Facilities Committee meeting for final review and a recommendation for Commission approval.

- 8. NCPA 2024 Plant Outage Schedule –** Staff presented and was seeking Facilities Committee approval of the proposed 2024 NCPA Plant Outage Schedule.

The annual maintenance scope includes required regulatory compliance, electrical, mechanical, and civil type of work. Scheduling considerations include balancing multiple factors such as: cost, Mother Nature and her impact on weather and accessibility, such as snow, impact from the market, and grid sensitivity. Outages are generally avoided in June, July, August, and during the winter heat load. Other considerations include contractor availability, as NCPA competes with many other power plant operators, and transmission outage coordination with PG&E. Assumptions and opportunity costs were provided to help with an economic approach.

There were no changes to the proposed plant outages as presented in the July Facilities Committee meeting. Please note that Geo Plant 1 Units 1 and 2 are in a dual unit outage for 31 days from March 1 – 31, 2024. Work during this outage includes Plant 1 Stretford maintenance, BOP activities, Units 1 and 2 strainer basket inspections, and NERC relay testing. CT2 and LEC are both in an outage from April 1 – April 30, 2024 for routine annual maintenance and AVR. The CT1 Alameda Units 1 and 2, includes a dual unit outage for 31 days from May 1 – 31, 2024 for a controls upgrade and protection upgrade. And, Collierville Units 1 and 2 are in a dual outage October 5, 2024, and October 6, 2024 for routine maintenance.

Motion: A motion was made by Brian Schinstock and seconded by Shiva Swaminathan recommending approval of the NCPA 2024 Plant Outage Schedule as presented in the August 2, 2023 Facilities Committee meeting, for submission to the CAISO. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Port of Oakland, Roseville, Santa Clara and Ukiah. ABSTAIN = Redding. The motion passed.

INFORMATIONAL ITEMS

9. New Business Opportunities – Staff provided an update regarding new business opportunities.

Staff reviewed the Zero Waste Energy Development (ZWED) that is an existing 1.6 MW LF Gas Facility that will meet the SB 1383 compliance goal for the cities of Santa Clara and Palo Alto. Products include energy, RPS, and RA. The term would be 10 years and seller is to act as the scheduling coordinator. Staff is in negotiations with an updated draft of the PPA as well as price negotiations.

Staff also discussed the Grace 50 MW Photovoltaic (PV) Solar + 50 MW/ 4 hour lithium-ion battery energy storage system (BESS) in Blythe, Riverside County, California. Total size of project is 400 MW. NextEra has site control for approximately 3,000 acres of private land for the project site. They are also seeking 120 acres of adjacent BLM land as a supplement. Grace proposes to interconnect at the transmission level to Southern California Edison (SCE) Colorado River 230 kV substation via a 10-mile gen-tie. The project is Q1761 in Cluster 13 and has an executed LGIA. The project has accepted energy-only status but will continue to seek FCDS through CAISO's transmission plan deliverability (TPD) allocation process.

10. NCPA Generation Services Plant Updates – Plant Staff provided the Committee with an update on current plant activities and conditions.

CTs – CT1 had 9 ghost and 7 actual starts of 67 forecasted. FYTD total is 16 starts. CT2 had 9 starts of 24 forecasted. FYTD total is 9 starts.

▪ Outages

- **CT1 Lodi – Available.**
 - Conducted Reliability run on 7/13/23 @ HE2100.
- **CT1 Alameda – Available.**
 - Conducted Reliability runs on U1/U2 on 7/12/23 @ HE2100.
 - Communication issues with AT&T continue, OMS ticket with CAISO submitted on 6/26/23 and extended thru 8/31/23. Ulteig conducted meter reading for both units and where submitted to CAISO along with meter outage exemption request prior to 8/11/23 deadline to prevent meter decertification.
 - U2 Forced outage due to faulty Gas Comp. lubricator no flow switch from 7/16/23 @ 1920 thru 7/17/23 @ 1139.
- **CT2 STIG – Available.**
- **CT1 Lodi Run Hours**
 - YTD hours 17.8 of 200 Allowed (based on calendar year)
- **CT1 Alameda Diesel Hours**
 - U1= 5.63 hrs. of 20 (based on rolling year)
 - U2= 4.48 hrs. of 20 (based on rolling year)
- **Staff reviewed the CAISO Commitment Runs for July 2023.**

Geo – There were no safety issues in the month of July. Safety Training is 71% complete. Firebreaks have been completed for the season. The helicopter dip tank has been hooked up, filled, and is available to Cal Fire. The average Net Generation for the month of July was 62.1 GWh with the average net generation level at 83.5 MW. FY 2023 actual net Generation = 317.2 GWh, which

is 9.1% under forecast. The Plant 1, Unit 1 return to service date is to be determined, due to the Plant 1 crane repairs. Crane repairs are expected to start August 7, 2023.

Hydro – The Hydro project continues with above average generation schedules. Collierville (CV) Power House was at 100% availability and New Spicer Meadows (NMS) Power House was at 99% availability during the month of July. July precipitation was .3 inches for the month. Precipitation is at 62.7 total inches, and is at 160% of average for this date. Union and Utica are currently spilling.

New Spicer Meadows Reservoir Storage

- 12,687 acre feet decrease (7%) month-over-month
- 189,360 acre feet to 176,673 acre feet
- Optimizing stored water
 - Monitoring snowpack, water rights, runoff, and market

Current Events

- Projects
 - Filed the Spicer DSSMR
 - Continued FEMA/OES damage coordination
 - Monthly CCWD coordination meetings
 - 230 KV T-line vegetation management progressing
 - Hazard tree removal from campgrounds
 - Developing bid packages for winter snow damage work
 - Normal annual fall outage preparations for Spicer/CV

11. Planning and Operations Update – Staff provided an update on issues related to planning and operations.

- **Summer 2023 Readiness** – Staff has been in contact with Members regarding their Estimate Aggregate Liability (EAL) collateral requirements for the CAISO, and recommend planning in advance for projected deficiencies. NCPA and Members credit looks good right now. Staff performed the Annual NCPA Manual Load Shedding Procedure Training on July 12, 2023. This information can also be found on NCPA Connect under Training courses and under Learning Resources.
- **CAISO Market Conditions – EEA Events** – High demand in the WAPA region of the Desert Southwest increased exports from the CAISO. Market conditions were higher than normal the week of July 21, 2023 and July 28, 2023. CAISO internal transmission constraints include Path 26 limitations and unit issues. The large scale steam coastal once-through cooling unit in the LA Basin is now on life-support.
- **NCPA Operations** – Staff reviewed the Generator Market Performance Daily Reports for Collierville, Geothermal Plants 1 and 2, and LEC. As well as the LEC Operation and Margin Report and the Calaveras Project Margin Report. These generation reports are available on NCPA Connect.
- **Resource Integration** – COD dates were reviewed for new resource integration.

12. Next Meeting – The next Facilities Committee meeting is scheduled for September 6, 2023.

ADJOURNMENT

The meeting was adjourned at 11:32 am by the Committee Chair.

**Northern California Power Agency
 August 2, 2023 Facilities Committee Meeting
 Attendance List**

NCPA Facilities Committee Members are requested to sign, but signature by members of the public is voluntary.

<u>MEMBER</u>	<u>NAME</u>
ALAMEDA	
BART	
BIGGS	
GRIDLEY	
HEALDSBURG	
LODI	<i>James Clancy</i>
LOMPOC	
PALO ALTO	
PLUMAS-SIERRA REC	
PORT OF OAKLAND	
REDDING	
ROSEVILLE	<i>B. S. L. G.</i>
SANTA CLARA	
SHASTA LAKE	
TID	
UKIAH	