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Minutes

Date: August 10, 2022
To: NCPA Facilities Committee
From: Carrie Pollo
Subject: August 3, 2022 Facilities Committee Meeting Minutes

- 1. Call meeting to order & Roll Call** – The meeting was called to order by Committee Vice Chair Alan Harbottle (Alameda) at 9:04 am. Attending via teleconference and/or on-line presentation were Roger Yang (Alameda), Dennis Schmidt and Bo Sheppard (Biggs), Cliff Wagner (Gridley), Melissa Price (Lodi), Shiva Swaminathan (Palo Alto), Khaly Nguyen (Port of Oakland), Kamryn Hutson (Redding), and Basil Wong (Santa Clara). Those attending in person are listed on the attached Attendee Sign-in Sheet. Committee Representatives from BART, 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 form the July 6, 2022 Facilities Committee meeting.**

Motion: A motion was made by Basil Wong and seconded by Melissa Price recommending approval of the July 6, 2022 Facilities Committee meeting minutes. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Port of Oakland, Redding, Roseville, and Santa Clara. ABSTAIN = Biggs. The motion passed.

- 3. All NCPA Facilities – EN Engineering, LLC First Amendment to MTPSA** – Staff presented background information and was seeking a recommendation for Commission approval of a First Amendment to the five-year Multi-Task Professional Services Agreement with EN Engineering, LLC for engineering and testing services, modifying the Scope of Work to broaden services and include root cause analysis services, for continued use at all facilities owned and/or operated by NCPA.

NCPA entered into a five year Multi-Task Professional Services Agreement with EN Engineering, LLC for engineering and testing related services, including excitation system upgrade services, transmission/distribution services and NERC/WECC compliance testing/report services, effective March 7, 2022, for an amount not to exceed \$1,000,000, for use at all NCPA facilities.

NCPA now desires to enter into a First Amendment to the Multi-Task Professional Services Agreement modifying the Scope of Work to include root cause analysis services. NCPA currently has agreements in place for similar services with BBA USA, Inc., Nor-Cal Controls, ES, Inc. and Utility System Efficiencies. 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. A draft Commission Staff Report, original agreement, and draft First Amendment were available for review. It is recommended to place this item on the Commission Consent Calendar.

Motion: A motion was made by Melissa Price and seconded by Basil Wong recommending Commission approval authorizing the General Manager or his designee to enter into a First Amendment to the Multi-Task Professional Services Agreement with EN Engineering, LLC for engineering and testing related services, with any non-substantial changes recommended and approved by the NCPA General Counsel, modifying the Scope of Work, for continued use at any facilities owned and/or operated by NCPA. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Biggs and Redding. The motion passed.

➤ Prior to the presentation of item # 4, Mike Brozo (Plumas-Sierra) joined the meeting via teleconference and online presentation.

4. All NCPA Facilities – Fremouw Environmental Services, Inc. First Amendment to MTGSA –

Staff presented background information and was seeking a recommendation for Commission approval of a First Amendment to the five-year Multi-Task General Services Agreement with Fremouw Environmental Services, Inc. for waste cleanup services, accepting assignment to Advanced Chemical Transport, Inc. dba ACTEnviro and modifying Exhibit B pricing, for continued use at all facilities owned and/or operated by NCPA.

NCPA entered into a five year Multi-Task General Services Agreement with Fremouw Environmental Services, Inc. effective March 28, 2019, for an amount not to exceed \$3,000,000 for use at all NCPA facilities. In February 2021, Fremouw Environmental Services, Inc. was acquired by Advanced Chemical Transport, Inc. dba ACTEnviro. NCPA now desires to enter into a First Amendment to the Multi-Task General Services Agreement accepting assignment to Advanced Chemical Transport, Inc. dba ACTEnviro. NCPA and Advanced Chemical Transport, Inc. dba ACTEnviro also wish to modify pricing listed in Exhibit B. NCPA has agreements in place for similar services with Patriot Environmental (pending) and Ponder Environmental Services, Inc.

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. A draft Commission Staff Report, original agreement, and draft First Amendment were available for review. It is recommended to place this item on the Commission Consent Calendar.

Motion: A motion was made by Cliff Wagner and seconded by Khaly Nguyen recommending Commission approval authorizing the General Manager or his designee to enter into a First Amendment to the Multi-Task General Services Agreement with Fremouw Environmental Services, Inc. for waste cleanup services, with any non-substantial changes recommended and approved by the NCPA General Counsel, accepting assignment to Advanced Chemical Transport, Inc. dba ACTEnviro and modifying Exhibit B pricing, for continued use at any facilities owned and/or operated by NCPA. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Plumas-Sierra, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Biggs and Redding. The motion passed.

5. All NCPA Facilities, Members, SPPA – Ascend Analytics, LLC MTCSA – Staff provided background information and was seeking a recommendation for Commission approval of a five-year Multi-Task Consulting Services Agreement with Ascend Analytics, LLC for Integrated Resource Plan

(IRP) related consulting services, with a not to exceed amount of \$1,500,000, for use at all facilities owned and/or operated by NCPA, NCPA Members, by SCPPA, and SCPPA Members.

NCPA recently issued a Request for Proposal (RFP) for development of an Inter-Agency Resource Plan (IARP). The objective of the IARP is to evaluate NCPA's current electricity generation resource portfolio, identify ways for NCPA to better optimize its current facilities, and study new opportunities for additional assets and/or resources, with the end goal of helping NCPA and its Members to prepare for sustainable growth into the future. The Scope of Work contained within the RFP included the ability for NCPA Members, SCPPA, and SCPPA Members to utilize the services of responding vendors for development of their own Integrated Resource Plans (IRP).

NCPA posted the RFP on several public sites, and also sent copies directly to several vendors. After evaluating the bids received, Ascend Analytics, LLC has been determined to be the responsive, winning bidder for this work. NCPA desires to enter into this agreement so established terms and conditions are in place with Ascend Analytics, LLC for this Scope of Work for use by NCPA, NCPA Members, SCPPA, and SCPPA Members. A draft Commission Staff Report, and draft agreement were available for review. It is recommended to place this item on the Commission Consent Calendar.

Motion: A motion was made by Melissa Price 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 Ascend Analytics, LLC for Integrated Resource Plan (IRP) related consulting services, with any non-substantial changes recommended and approved by the NCPA General Counsel, which shall not exceed \$1,500,000 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, Roseville, and Santa Clara. ABSTAIN = Biggs and Redding. The motion passed.

6. Approval of Second Amendment to the Antelope Expansion 1B, LLC Power Purchase Agreement – Staff presented background information and was seeking a recommendation for Commission approval of the Second Amendment to the Power Purchase Agreement between Northern California Power Agency and Antelope Expansion 1B, LLC.

NCPA purchased 17 MW of Solar PV on behalf of Participating Members through the Antelope Expansion 1B Power Purchase Agreement (PPA), dated June 25, 2018. The Seller has delivered certain Force Majeure notices to NCPA, claiming that due to the detention of solar modules the commercial operations date for the project completion has been delayed. The Seller also informed NCPA that in order to preserve the Seller's financing sources for the continued development and construction of the project, the Outside Commercial Operation Date in the PPA needs to be extended. In order to extend the Outside Commercial Operation, date the PPA must be amended. A First Amendment to the PPA has been executed to extend the Outside Commercial Operation Date to September 30, 2022. This Second Amendment to the PPA will extend the Outside Commercial Operation Date to December 31, 2022. Extending the Outside Commercial Operation date will improve the Seller's ability to acquire financing sources that are required to complete development of the project.

Motion: A motion was made by Melissa Price and seconded by Khaly Nguyen recommending Commission approval of the Second Amendment to the Power Purchase Agreement between NCPA and Antelope Expansion 1B, LLC (PPA), and to authorize the General Manager of NCPA to execute the Second Amendment to the PPA, including any non-substantive modifications to Second Amendment to the PPA approved by NCPA's General Counsel. A vote was taken by roll call: YES = Gridley, Lodi, Plumas-Sierra, and Port of Oakland. ABSTAIN = Alameda, Biggs, Palo Alto, Redding, Roseville, and Santa Clara. The motion passed.

7. NCPA 2023 Plant Outage Schedule – Staff reviewed the proposed outage schedule and was seeking Facilities Committee approval of the proposed 2023 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, the impact from the market, and grid sensitivity. Outages are generally avoided in June, July, August, and some of the winter heat load. Other considerations include contractor availability, as NCPA competes with many other power plant operators, and transmission outage coordination. Assumptions and opportunity costs were provided to help with an economic approach.

The CT1 Alameda Units 1 and 2, includes a dual unit outage for 31 days from March 1 – 31, 2023 for routine controls and excitation. Geo Plant 1 Units 1 and 2 are also in a dual outage for 16 days from March 1 – 16, 2023. This needs to be a dual outage due to clearance issues for annual yardwork, and both units need to shut down. Collierville Unit 1 and 2 is also in a dual outage on September 30, 2023, and October 1, 2023 for maintenance.

Motion: A motion was made by Brian Schinstock and seconded by Basil Wong recommending Facilities Committee approval of the NCPA 2023 Plant Outage Schedule as presented at the August 3, 2022 Facilities Committee meeting, for submission to the CAISO. A vote was taken by roll call: YES = Alameda, Lodi, Palo Alto, Plumas-Sierra, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Biggs and Redding. The motion passed.

8. NCPA Geothermal Facility – Geothermal Plant 1 Cooling Tower Refurbishment Project – Staff provided background information and was seeking a recommendation for Commission approval of the Geothermal Plant 1 Cooling Tower Refurbishment Project, including delegating authority to the General Manager or his designee to award bids, execute agreements, and to issue purchase orders for the project in accordance with NCPA purchasing policies and procedures, without further approval by the Commission, for a total not to exceed of \$2,858,647.

The Geothermal Plant 1 Cooling Tower needs refurbishment and thermal upgrade services. NCPA staff have identified possible thermal performance deficiencies due to the aging structure and fill technology. The Geothermal facility is seeking to replace the existing aging cooling tower splash fill with a modern fill that will increase thermal performance, thus increasing net MW output to the grid. Pre-project work, including engineering, estimating, and RFP issuance, has already been completed.

The Plant 1 Cooling Tower Refurbishment Project will be broken out into two phases:

- Phase 1 - Material Procurement and Delivery **(FY23)**
- Phase 2 – Cooling Tower Refurbishment Installation **(FY24)**

Funds for this project will come from the FY23 and FY24 budget (including encumbered funds). Funds from the FY24 budget are contingent upon future approval of the FY24 budget, and no commitment of funds will be made until that date. No cash collection or budget augmentation is required. Purchase orders referencing the terms and conditions of any agreements executed for work related to this project will be issued following NCPA procurement policies and procedures.

The Plant 1 Cooling Tower Refurbishment Project cost breakdown is shown below.

- | | |
|---|-------------------|
| • Phase 1 – Material Procurement & Delivery (FY23) | \$ 755,564 |
| • Contingency (~24%) | <u>\$ 244,436</u> |
| • Phase 1 Total: | \$1,000,000 |
| • Phase 2 – Cooling Tower Refurbishment (FY24) | \$1,548,873 |

- Contingency (~20%) \$ 309,774
- Phase 2 Total: \$1,858,647

- **Total Plant 1 Cooling Tower Refurbishment Project Cost \$2,858,647**

In accordance with NCPA’s procurement policies and procedures, a formal competitive bid process was followed. On March 16, 2022, a Request for Proposal for the Geothermal Plant 1 Cooling Tower Refurbishment Project was released, with final bids due May 26, 2022. A bid walk took place on March 29, 2022, and there were two attendees. Two vendors submitted bids: EvapTech, Inc. and SPX Cooling Technologies, Inc. The bids received are currently being evaluated by NCPA staff, and work for this project will be awarded to the most qualified bidder.

Motion: A motion was made by Basil Wong and seconded by Melissa Price recommending Commission approval authorizing the Geothermal Plant 1 Cooling Tower Refurbishment Project and delegating authority to the General Manager or his designee to award bids, execute agreements, and to issue purchase orders for the project in accordance with NCPA purchasing policies and procedures, without further approval by the Commission, for a total not exceed of \$2,858,647. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Biggs, Palo Alto, and Redding. The motion passed.

9. Approval of Special Conditions Agreement for Grant Administration between NCPA and Plumas-Sierra Rural Electric Cooperative – Staff presented background information and was seeking a recommendation for Commission approval of a Special Conditions Agreement for Grant Administration between NCPA and Plumas-Sierra Rural Electric Cooperative.

Plumas-Sierra seeks to reinforce its electric tie with a new transmission line to NV Energy's system. It proposes constructing the Fort Sage to Herlong Interconnect Project (“Project”), which would provide system reliability and access to additional markets for Plumas-Sierra. Plumas-Sierra is seeking partial funding for the Project through a United States Department of Defense, Defense Community Infatuation Pilot Program Grant (“Grant”). Only state and local agencies, including multijurisdictional entities like NCPA, can apply for the Grant.

NCPA will be acting as the applicant and pass-through entity for the Grant on behalf of Plumas Sierra. Plumas-Sierra would act as the Grant's sub-recipient and perform all of the work associated with the development and construction of the Project. As the applicant, NCPA's responsibilities would include oversight of the grant application, designation of Plumas-Sierra as the Grant sub-recipient and potentially, verification of compliance with Grant requirements. Plumas Sierra will be required to assume all other responsibilities of the Grant.

NCPA submitted the Grant application on behalf of Plumas-Sierra on July 18, 2022. The Office of Local Defense Community Cooperation (OLDCC) will notify NCPA/Plumas-Sierra of whether the Grant is awarded or not. OLDCC anticipated that it would notify applicants in mid-September. If awarded, the grant agreement will be sent for execution. NCPA/Plumas-Sierra has the opportunity to accept or reject the Grant at this juncture. If the Grant is awarded, the deadline for executing the grant agreement to accept the award and commit to the Project is September 23, 2022.

The Power Management Administrative Services Agreement (PMASA) provides for a number of agreements that sit under the PMASA structure including the Single Member Services Agreement and the Special Conditions Agreement. NCPA with input from Plumas-Sierra created the Special Conditions Agreement from the approved form of the Single Member Services Agreement. The Special Conditions Agreement establishes Plumas-Sierra as the party responsible for all costs associated with this activity, provides that Plumas-Sierra will indemnify NCPA for the costs and risks associated with the Grant, establishes the process for administering the Grant application and any funding awarded as part of the Grant, and provides a term consistent with the duration of the Grant.

If OLDCC awards the Grant to NCPA/Plumas-Sierra, all three parties will enter into a grant agreement. The grant agreement will establish NCPA as a pass-through entity for the Grant and Plumas Sierra will be designated as a sub-recipient. These roles are all allowed under the terms of this Grant. Plumas-Sierra will reimburse NCPA for its costs incurred under the Special Conditions Agreement. Therefore, there is no direct fiscal impact to NCPA.

Motion: A motion was made by Mike Brozo and seconded by Basil Wong recommending Commission approval of the Special Conditions Agreement for Grant Administration between NCPA and Plumas-Sierra REC (“Special Conditions Agreement”), and to authorize the General Manager of NCPA to (i) execute the Special Conditions Agreement and (ii) upon execution of the Special Conditions Agreement, execute the Grant Agreement if accepted, including any modifications to Special Conditions Agreement approved by NCPA’s General Counsel. A vote was taken by roll call: YES = Alameda, Gridley, Lodi, Palo Alto, Plumas-Sierra, Port of Oakland, Redding, Roseville, and Santa Clara. ABSTAIN = Biggs. The motion passed.

INFORMATIONAL ITEMS

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

Calpine Geothermal Offer

- Term: 12 years commencing 1/1/2025
- Volume: 50 MW base 7x24; potentially up to an additional 50 MW
- Price: To Be Discussed
- All other terms per the term sheet
- Key Next Steps:
 - Transaction Confirmation Negotiations
 - RA Agreement
 - RPS Agreement
 - Member Project subscription
 - Third Phase Agreement process
 - Confirmation of level of interest

M-S-R Scheduling Coordinator RFP

- M-S-R Members: Modesto Irrigation District, Silicon Valley Power, Redding Electric Utility
- NCPA has been contacted to discuss possible Scheduling Coordinator services with M-S-R
- M-S-R currently has off-take contracts with two wind projects located in the NW
 - Big Horn I
 - Big Horn II
- Description of services requested
 - Tagging and tracking services
 - Settlement and reporting services

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

Geo – There were no safety incidents to report for the month of July. Safety training is 65% complete. The plant conducted hands on CPR/AED training. Vegetation management continued for the month. The average net generation level for the month was 90.5 MW. Total net generation was 67.3 GWh. Actual year 2022 net generation was 458.9 GWh YTD, 2.8% over forecasted. The year 2022 Net Generation Forecast was 446.3 GWh YTD. The Lakeville Transmission line was in an outage July 22 – 23, 2022. Preparation for the Plant 2 overhaul from November 1 – December 16,

2022, continued during the month. Maintenance activities included Unit 4 turbine rotor refurbishment, completion of Plant 1 and 2 yard repairs, and routine plant and steam field work.

CTs – CT1 had 18 actual starts, 16 in real time, of 76 forecasted. FYTD total is 18 starts. CT2 had 2 starts this month of 10 forecasted. FYTD total is 2 starts. CT1 Lodi was forced into an outage due to an oil leak repair at load gear to generating coupling. CT1 Alameda Unit 2 was in a forced outage due to AVR Relay replacement. CT1 Lodi has used 121.3 hours (60%) of 200 allowed based on a calendar year. CT1 Alameda Diesel Unit 1 has used 13.15 hours of 20, and Unit 2, 12.78 hours of 20, based on a rolling year. Staff reviewed the CAISO Commitment Runs for July 2022.

Hydro – Collierville (CV) Power House was 99% available during the month of July because of brushes and collector ring swap. New Spicer Meadows Power House was at 91% availability due to a PG&E forced outage because of the Electra Wildfire. New Spicer Meadows storage decreased by 7,701 acre feet at 6% month over month from 123,900 acre feet to 116,199 acre feet. Current operations are continuing in the water conservation mode. During the month FM Global conducted inspections and mitigations. Staff also gave a Member and NCPA Intern tour. Current regulatory activities include FERC and DSOD annual inspections next week, FERC review of QCIP for annual dam maintenance, the 2020-2021 water year reports have been completed and filed, conducting ongoing CAOES EAP consultations, Lake Alpine Dam stability analysis, and performed decennial McKays plunge pool inspection. Completed maintenance activities include replacing various lightning damaged devices at Beaver Creek and McKays, completed annual vegetation management of 230 kV ROW, scoping for fall protection system at New Spicer Reservoir and campground water tank recoating, and preparing for Lake Alpine and Union Dam maintenance. Parts have been arriving for the CV transformer refurbishment.

12. Planning and Operations Update –

Summer of 2022 Readiness

- CAISO Credit Discussions – NCPA has worked with 5 NCPA Members to supplement their credit posting for CAISO EAL, and has increased the CAISO EAL credit posting by approximately \$21,000,000.
- CAISO Market Conditions – Temperatures have been consistent, forward curves are softening, and there has been no system emergencies or load shedding events to date.

Resource Integrations in Progress

- Antelope Solar (NCPA) – October 2022
- Deer Creek – TBD
- Sandborne Storage – Q1 2023
- Scarlet Solar / Storage – Q1 2023
- Dagget Solar / Storage – Q4 2022
- Proxima Solar / Storage – Q3 2023

Meter Maintenance Program Development

- CAISO Certified Meters must be certified and repaired in short order. NCPA staff have been experiencing a growing number of challenges without the Meter Maintenance Program. Staff propose developing a new Meter Maintenance Program to enable timely responses to issues. A RFP was created for these services. NCPA received proposals from Trimark Associates, Inc., and Ulteig Engineering, Inc. Staff is asking Members to reach out with questions regarding this agreement, and what type of services and needs Members interested in the Meter Maintenance Program would need.

13. Next Meeting – The next Facilities Committee meeting is scheduled for September 7, 2022.

ADJOURNMENT

The meeting was adjourned at 11:37 am by the Committee Vice Chair.

**Northern California Power Agency
August 3, 2022 Facilities Committee Meeting
Attendance List**

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

<u>NAME</u>	<u>AFFILIATION</u>
Carnie Pollo	NCPA
Tony Zimmer	NCPA
John Luckhardt	NCPA
BRIAN SCHINSTOCK	ROSEVILLE
Jeremy M. Lawson	NCPA
Marty Hawkes	NCPA
James Mearns	NCPA
Michael DeBortoli	NCPA

**Northern California Power Agency
August 3, 2022 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	✓
LOMPOC	
PALO ALTO	✓
PLUMAS-SIERRA REC	✓
PORT OF OAKLAND	✓
REDDING	✓
ROSEVILLE	<i>Brian Schinstock</i>
SANTA CLARA	✓
SHASTA LAKE	
TID	
UKIAH	