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# Minutes

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**Date:** February 2, 2022  
**To:** NCPA Facilities Committee  
**From:** Carrie Pollo  
**Subject:** February 2, 2022 Facilities Committee Meeting Minutes

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- 1. Call Meeting to Order and Roll Call** – The meeting was called to order by Committee Chair Jiayo Chiang (Lodi) at 9:03 am. Attending via teleconference and on-line presentation were Alan Harbottle (Alameda), Mark Sorensen (Biggs), Catalina Sanchez and Cliff Wagner (Gridley), Melissa Price (Lodi), CJ Berry (Lompoc), Shiva Swaminathan (Palo Alto), Mike Brozo (Plumas-Sierra), Khaly Nguyen (Port of Oakland), Nick Rossow (Redding), Brian Schinstock (Roseville), and Basil Wong and Steve Hance (Santa Clara). Owen Goldstrom (non-voting Representative with TID) attended via teleconference. NCPA staff attending are listed on the attached Attendee Sign-in Sheet. Committee Representatives from BART, Healdsburg, 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 the January 5, 2022 Facilities Committee meeting minutes.

Motion: A motion was made by Basil Wong and seconded by Brian Schinstock recommending approval of the January 5, 2022 Facilities Committee meeting minutes. A vote was taken by roll call: YES = Biggs, Gridley, Lodi, Lompoc, Palo Alto, Port of Oakland, Redding, Roseville, and Santa Clara. The motion passed.

- 3. All NCPA Facilities – EN Engineering, LLC MTPSA** – Staff presented background information and was seeking a recommendation for Commission approval of a five-year Multi-Task Professional Services Agreement with EN Engineering, LLC for NERC/WECC testing, transmission & distribution consulting and excitation system upgrade consulting services, with a not to exceed amount of \$1,000,000, for use at all facilities owned and/or operated by NCPA. All purchase orders will be issued following NCPA procurement policies and procedures.

NCPA currently has an agreement in place with Kestrel Power Engineering, LLC which is expiring. EN Engineering, LLC, acquired Kestrel in 2021 and NCPA desires to continue the relationship with EN Engineering. While EN Engineering is a new vendor for NCPA, the players are well known and

Kestrel has been the successful low bidder on many projects at all NCPA facilities for NERC/WECC testing in the past. NCPA desires to enter into this agreement so established terms and conditions are in place should this vendor be the successful bidder on future projects. NCPA has agreements in place for similar services with BBA USA, Inc., Utility System Efficiencies, Inc., and Kinectrics, 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 and the draft agreement were available for review. It is recommended to place this item on the Commission Consent Calendar.

Motion: A motion was made by Shiva Swaminathan and seconded by Mark Sorensen recommending Commission approval authorizing the General Manager or his designee to enter into a Multi-Task Professional Services Agreement with EN Engineering, LLC for NERC/WECC testing, transmission & distribution consulting and excitation system upgrades, with any non-substantial changes recommended and approved by the NCPA General Counsel, which shall not exceed \$1,000,000 over five years, for use at any facilities owned and/or operated by NCPA. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Lompoc, Palo Alto, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Redding. The motion passed.

- 4. All NCPA Facilities, Members, SCPPA – Projectile Tube Cleaning, Inc. First Amendment to MTGSA** – Staff presented background information and was seeking a recommendation for Commission approval of a First Amendment to the Multi-Task General Services Agreement with Projectile Tube Cleaning, Inc., increasing the not to exceed amount from \$225,000 to \$1,000,000, with no other changes to the contract terms and conditions, for continued use at all facilities owned and/or operated by NCPA, NCPA Members, by SCPPA, and SCPPA Members. All purchase orders will be issued following NCPA procurement policies and procedures.

NCPA entered into a five year Multi-Task General Services Agreement with Projectile Tube Cleaning, Inc. effective March 17, 2021 for an amount not to exceed \$225,000, for use at all NCPA, NCPA Member, SCPPA, and SCPPA Member facilities. Projectile Tube Cleaning was recently awarded the Geothermal Plant 2, Unit 4 Main Condenser & NCG Heat Exchanger Cleaning Project totaling \$97,803. In order to avoid using up the entire agreement funds available, NCPA now desires to enter into a First Amendment to the Multi-Task General Services agreement to increase the not-to-exceed amount from \$225,000 to \$1,000,000. NCPA has agreements in place for similar services with Northern Industrial Construction, and Ancon Marine dba Ancon. 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 and the 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 Basil Wong and seconded by CJ Berry recommending Commission approval authorizing the General Manager or his designee to enter into a First Amendment to the Multi-Task General Services Agreement with Projectile Tube Cleaning, Inc. for specialized high pressure cleaning of industrial equipment, with any non-substantial changes recommended and approved by the NCPA General Counsel, increasing the not-to-exceed amount from \$225,000 to \$1,000,000, for continued 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, Biggs, Gridley, Lodi, Lompoc, Palo Alto, Plumas-Sierra, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Redding. The motion passed.

- 5. All NCPA Facilities, Members, SCPPA – Ernie & Sons Scaffolding dba Unique Scaffold First Amendment to MTGSA** – Staff gave background information and was seeking a recommendation for Commission approval of a First Amendment to the Multi-Task General Services Agreement with Ernie & Sons Scaffolding dba Unique Scaffold, increasing the not to exceed amount from \$2,000,000 to \$4,000,000, with no other changes to the contract terms and conditions, for continued use at all

facilities owned and/or operated by NCPA, NCPA Members, by SCPPA, and SCPPA Members. All purchase orders will be issued following NCPA procurement policies and procedures.

NCPA entered into a five year Multi-Task General Services Agreement with Ernie & Sons Scaffolding dba Unique Scaffold effective October 9, 2018, for an amount not to exceed \$2,000,000, for use at all NCPA, NCPA Member, SCPPA, and SCPPA Member facilities. Ernie & Sons Scaffolding dba Unique Scaffold was recently awarded the LEC 2022 Spring Outage scaffolding support bid totaling \$714,168. This agreement does not have enough funds remaining for this work. NCPA now desires to enter into a First Amendment to the Multi-Task General Services agreement to increase the not-to-exceed amount from \$2,000,000 to \$4,000,000 to ensure sufficient funds are available to complete this work and any future work through the remaining contract term. NCPA has agreements in place for similar services with American Industrial Scaffolding, Bayside Insulation & Construction, Elevator, LLC and Petrochem Insulation. 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 and the 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 Basil Wong and seconded by CJ Berry recommending Commission approval authorizing the General Manager or his designee to enter into a First Amendment to the Multi-Task General Services Agreement with Ernie & Sons Scaffolding dba Unique Scaffold for scaffolding services, with any non-substantial changes recommended and approved by the NCPA General Counsel, increasing the not-to-exceed amount from \$2,000,000 to \$4,000,000, for continued 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, Biggs, Gridley, Lodi, Lompoc, Palo Alto, Plumas-Sierra, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Redding. The motion passed.

- 6. All NCPA Facilities, Members, SCPPA – Electric Power Systems International, Inc. MTGSA –** Staff provided background information and was seeking a recommendation for Commission approval of a five-year Multi-Task General Services Agreement with Electric Power Systems International, Inc. for specialized electrical services, with a not to exceed amount of \$3,000,000, for use at all facilities owned and/or operated by NCPA, NCPA Members, by SCPPA, and SCPPA Members. All purchase orders will be issued following NCPA procurement policies and procedures.

The current agreement with Hart High Voltage Apparatus Repair & Testing Co., Inc. has expired. Electric Power Systems International, Inc. bought out Hart High Voltage. NCPA has utilized this vendor in the past, and has a good working relationship with this vendor. NCPA desires to enter into this agreement so established terms and conditions are in place should this vendor be the successful bidder on future projects. NCPA has agreements in place for similar services with Eaton Corporation, Electrical Maintenance Consultants, Inc. and Gannett Fleming, 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 and the draft agreement were available for review. It is recommended to place this item on the Commission Consent Calendar.

Motion: A motion was made by CJ Berry and seconded by Brian Schinstock recommending authorizing the General Manager or his designee to enter into a Multi-Task General Services Agreement with Electric Power Systems International, Inc. for specialized electrical maintenance services, with any non-substantial changes recommended and approved by the NCPA General Counsel, which shall not exceed \$3,000,000 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, Biggs, Gridley, Lodi, Lompoc, Palo Alto, Plumas-Sierra, Port of Oakland, Roseville, and Santa Clara. ABSTAIN = Redding. The motion passed.

- 7. Nexant Cost Allocation Model Billing Determinants** – Staff presented updated information and was seeking a recommendation for Commission approval of the billing determinants that will be used in the FY 2023 Nexant Cost Allocation Model. This review did not include FY 2023 Budget amounts, and offsetting Power Management revenues.

In preparation for FY 2023, the Nexant model uses the previous year's calendar year data for 2021 as determinants for use as allocators for Members' budget costs. Determinants include resource data such as nameplate and maximum operating capacity values, Day Ahead, Hour Ahead and real time energy and ancillary service schedules used internally within NCPA and those sent to the CAISO in addition to intertie schedules, inter-SC trades, load meter data, contract deals, etc.

The indicative, allocated results for FY 2023 indicate the biggest increases to Lodi, Healdsburg, and Ukiah, by approximately 8.50%, 8.04%, and 7.86% respectively, with the final updated CY 2021 determinants. Members with the biggest decreases include Lompoc, BART, and the Port of Oakland, at 19.84%, 8.73%, and 7.22% respectively. Other Members allocated amounts remained relatively flat. Staff reviewed the underlying operational data, and provided an analysis regarding the cost drivers that resulted in the relative percentage changes in the allocations to Members. The Nexant gross costs to Participating Members for new resources was also reviewed. It is recommend to place this item on the Commission Consent calendar.

Motion: A motion was made by Basil Wong and seconded by Jiayo Chiang recommending Commission approval to adopt Calendar Year 2021 resource data for use as input determinants to the Nexant Cost Allocation Model in order to allocate applicable budgeted Power Management, Settlements, Risk Management and information technology costs to Members for Fiscal Year 2023. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Palo Alto, Port of Oakland, Redding, Roseville, and Santa Clara. The motion passed.

- 8. 2023 CT1 Controls and Excitation Upgrade Project** – Staff presented background information and was seeking a recommendation for Commission approval of the 2023 CT1 Controls and Excitation Upgrade 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 cost not to exceed \$2,100,000.

The CT1 excitation and control systems ("systems") are aged and obsolete with minimal spare parts available. The last control system updates were completed in 2000, and the excitation system is original equipment circa 1985. It is difficult to find contractors who are qualified to work on the excitation system, and staff regularly needs to order replacement parts off eBay as new parts are not available from the original manufacturers.

The goal of the CT1 Excitation and Control Upgrade Project is to provide the availability and reliability of the units to meet the member needs until Member climate goals are satisfied. With the current service life of the existing systems at 22 years, and the upgrade set to be completed in 2023, this upgrade intends to make the systems serviceable for the foreseeable future. With the upgrade come modern parts, support, and plant performance software. The control system in particular will benefit from up-to-date cybersecurity hardening.

The total cost is anticipated not to exceed \$2,100,000. Funds for the project will come from two previously approved projects. First, the CT1 Control System Upgrade project was approved for the FY22 budget in the amount of \$1,500,000. Second, the CT1 Diesel Starter Modification funds were encumbered from the FY21 budget in the amount of \$2,250,000. Staff requests that \$600,000 be allocated from the Diesel Starter Modification project to augment the \$1,500,000 from the CT1 Control System Upgrade project for a total project fund of \$2,100,000. The remaining \$1,650,000 encumbered from the FY21 Diesel Starter Modification project will be refunded to the Participants.

Project Costs	
Excitation and Control System Upgrade	\$1,559,000
NERC/WECC Testing	\$60,000
Plant Data System Support (PI System)	\$100,000
Contingency	\$381,000
<b>Total Project Cost</b>	<b>\$2,100,000</b>

Funding Source	Approved Amount	Requested Amount
FY22 CT1 Control System Upgrade	\$1,500,000	\$1,500,000
FY21 CT1 Diesel Starter Modification	\$2,250,000	\$600,000
<b>Total Project Cost</b>		<b>\$2,100,000</b>
<b>Returned to Members</b>	<b>\$(1,650,000)</b>	

On July 12, 2021, NCPA put out a Request for Proposal (RFP) for the CT1 Controls and Excitation Projects. A bid walk took place on Tuesday, August 3, 2021, and there were four (4) attendees. Bids were due on Friday, September 3, 2021. NCPA received four (4) responsive bids from the following companies: Drake Controls, General Electric, Nexus Controls, and Turbine Technical Services. NCPA is reviewing the submitted bids, and is requesting comments, clarifications, and negotiations with individual bidders as necessary.

Motion: A motion was made by Alan Harbottle and seconded by Jiayo Chiang recommending Commission approval authorizing the CT1 Controls and Excitation Upgrade 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 cost not exceed \$2,100,000, and authorizing use of FY22 CT1 Control System Update budgeted project funds in the amount of \$1,500,000, and \$600,000 encumbered funds for the FY21 CT1 Diesel Starter Modification. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Lompoc, Plumas-Sierra, Port of Oakland, and Santa Clara. ABSTAIN = Palo Alto, Redding, and Roseville. The motion passed.

## **INFORMATIONAL ITEMS**

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

#### **NCPA Renewables RFP Update**

##### **Active Projects under Consideration**

- **Glover Solar, LLC** – Negotiations have been terminated
- **Camp Far West** – PPA has been approved
  - Next Steps: Resource Integration
- **McCloud Solar** – The PPA is currently under review
  - Next Steps: Present updated draft of PPA to developer; coordinate with Members regarding continued interest in the project
- **Stagecoach Solar** – Staff is performing additional due diligence on project offer
  - Next Steps: Pending member continued interest, seek to enter into Letter of Intent to engage in active PPA negotiations

Staff is working to re-issue or “refresh” the NCPA Renewables RFP, and issue a request for updated proposals in the next week or two. Staff will work on updating the information currently stored on NCPA Connect, and work to coordinate a periodic ad hoc review group to evaluate current proposals and identify interest.

**San Jose Clean Energy (SJCE) RFP** – The SJCE Services Agreement will expire on August 31, 2022. The agreement does not contain an automatic extension. SJCE had indicated their interest in continuing services from NCPA, but is required to conduct a competitive solicitation for services. SJCE will likely issue a RFP in the coming weeks. Items for consideration include interest in continuing the services to SJCE, the Scope of Services, compensation, and the contract structure.

### **Summary of NCPA Services Agreements**

- **San Jose Clean Energy** – Term through August 31, 2022
- **East Bay Community Energy** – Term through April 30, 2023
- **Sonoma Clean Power** – Term through December 31, 2024
- **Nevada Irrigation District** – Term through February 28, 2023
- **Merced Irrigation District** – Term through June 30, 2024
- **Placer County Water Agency** – Term through December 31, 2024

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

**CTs** – January was a quiet month for the CTs. CT1 had 5 actual starts, bringing the FYTD total to 142, of 0 forecasted. CT2 had 2 starts this month, of 26 forecasted, bringing the FYTD total to 47 starts. Alameda Unit 1 was in a forced outage due to the gas compressor. Alameda Unit 2 was also in a forced outage due to the auto synchronizer. CT1 Lodi has used 1.6 hours of 200 allowed based on a calendar year. CT1 Alameda Diesel Unit 1 has used 13.2 hours of 20, and Unit 2, 11.7 hours of 20, based on a rolling year. The CT1 planned outage for routine minor maintenance has been completed. Staff reviewed the CAISO Commitment Runs for January 2022.

**Geo** – There were no safety incidents to report for the month of January. Staff met with Cal Fire regarding the fire water storage dip tank. A wildfire started January 22, 2022 at Geysers Peak, located 7 miles from NCPA. The fire burned 5 acres before containment. Fire season is now year round. The average estimated net generation level for the month was 94 MW. Total estimated net generation was 69.9 GWh. FY 2022 forecasted net generation is 432.2 GWh YTD. FY 2022 actual net generation is 483.9 GWh YTD at 12% over forecast. Reasons for the improved generation over forecast include improved reliability of plant equipment from 92% to 93%, improved availability of transmission lines from 92% to 98%, and reduced injections. Routine maintenance activities for the month included the oil rounds on Unit 4 circulating pumps, and cleaning Unit 4 cooling tower screens. Steam Field activities included the E-5 water injection test with a positive impact on Plant 2 back pressure, and a generation gain of .75 MW, and the E-8 deliverability test with 16 kph gain at the current line pressure, for a potential .5 MW gain.

**Hydro** – Collierville and New Spicer Meadows Power Houses were 100% available during the month of January. New Spicer Meadows storage increased by 2,800 acre feet of 4% month over month from 65,700 acre feet to 68,500 acre feet. There was 0 recordable precipitation for the month of January, dropping the California snow water content to 90% of average for this time of year. Routine maintenance included 230 KV line patrol, and CV E-Gen testing. A tree fell at Avery narrowly missing the gage house, and another at Beaver Creek Penstock. Drain repair was performed at McKays gallery, and runner maintenance at Collierville.

### **11. Planning and Operations Update**

- **Current Resource Integration Activities**
  - Resource Integrations in Progress**
    - Camp Far West (SVP) – February 2022
    - Antelope Solar (NCPA) – April 2022

- Deer Creek – April 2022
- Tulare Solar – March 31, 2022
- Sandborne Storage – June 30, 2022

- **Business Continuity and Resiliency**

- **Utilization of Process Automation** – As the volume and complexity of work activities continues to increase, NCPA’s strategy to tackle this challenge has been to automate bid-to-bill processes. This creates significant benefits, but also increases certain risks. The benefits include increased efficiency, full utilization of resources, high power, and scalable. The risks include high dependency of reliability, introduces cascading dependencies, active maintenance, and monitoring.
- **Key Risk Area – Supervisory Control and Data Acquisition (SCADA)**
  - NCPA’s ability to dispatch and control generation resources, monitor load points, ensure safe and reliability operations and ensure compliance is heavily dependent on SCADA systems and capability
  - NCPA currently has two (2) positions committed to SCADA and related support
  - NCPA operating over 50 generation resources and multiple loads
  - NCPA believes this is an area in our business process that currently poses a material risk
    - Real-Time nature of business; required for reliable and safe operations
    - Significant work load driven by: ongoing maintenance, break-fix, needed enhancements, resource integrations and changing business needs
- **Recruitment Proposal**
  - NCPA is currently recruiting a SCADA position to fill current vacancy
  - NCPA proposes to seek additional entry level SCADA position to increase bandwidth and business resiliency
  - NCPA believe there is sufficient workload and demand to justify extra position
  - Utilize headcount from settlements division

**12. Next Meeting** – A Special Facilities Committee meeting is scheduled for February 10, 2022, to review the FY 2023 annual budget. The next regular Facilities Committee meeting is scheduled for March 2, 2022.

**ADJOURNMENT**

The meeting was adjourned at 11:36 am by the Committee Chair.

**Northern California Power Agency  
February 2, 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	✓
SANTA CLARA	✓
TID	✓ (non-voting)
UKIAH	



