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# Minutes

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**Date:** January 5, 2023  
**To:** NCPA Facilities Committee  
**From:** Carrie Pollo  
**Subject:** January 4, 2023 Facilities Committee Meeting Minutes

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- 1. Call Meeting to Order and Roll Call** – The meeting was called to order by Committee Vice Chair Shiva Swaminathan (Palo Alto) at 9:04 am. Attending via teleconference and on-line presentation were Midson Hay (Alameda), Dennis Schmidt (Biggs), Cliff Wagner and Jake Carter (Gridley), Khaly Nguyen (Port of Oakland), Nick Rossow (Redding), Basil Wong (Santa Clara), and Cindy Sauers (Ukiah). Peter Lorenz (non-voting Representative with TID) also attended via teleconference and online presentation. Those attending in person are listed on the attached Attendee Sign-in Sheet. Committee Representatives from BART, Healdsburg, Lompoc, Plumas-Sierra, Shasta Lake, and TID were absent. A quorum of the Committee was established.

## PUBLIC FORUM

No public comment.

## OPEN SESSION

## DISCUSSION / ACTION ITEMS

- 2. Approval of Minutes from the December 7, 2022 Facilities Committee Meeting.**

**Motion:** A motion was made by Cliff Wagner and seconded by Brian Schinstock recommending approval of the December 7, 2022 Facilities Committee meeting minutes. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Palo Alto, Port of Oakland, Redding, Roseville, Santa Clara, and Ukiah. The motion passed.

- 3. Authorize NCPA's General Manager to Execute Confirmation Number 0290 for Performance Mechanical, Inc. Services to Roseville/Roseville Electric Utility and Issue a Purchase Order Under the Support Services Program** – Subject to approval by the Roseville City Council of the requested services under the terms of the Northern California Power Agency Support Services Program Agreement and its determination under CEQA, staff was seeking a recommendation for approval of Resolution 23-03 authorizing the NCPA General Manager or his designee to execute Confirmation Number 0290 in the amount not-to-exceed \$751,675.00, with any non-substantive changes as approved by the NCPA General Counsel, and issue a Purchase Order to Performance Mechanical, Inc. for HRSG maintenance, piping work, hydro-testing, other needed maintenance, outage support, and parts supply for Roseville during its spring 2023 outage.

The City of Roseville became a signatory to the NCPA Support Services Program Agreement (SSPA) on October 5, 2015, which agreement authorizes among other things, the purchase or acquisition of goods and services by NCPA Members through use of NCPA's agreements with its vendors.

NCPA executed an Agreement with Performance Mechanical, Inc. for outage support, maintenance services and parts supply on December 5, 2022. Roseville/Roseville Electric Utility (Roseville) submitted a Member Task Request under the SSPA for services from Performance Mechanical, Inc. in October 2022. Confirmation Number 0290 is subject to approval by the Roseville City Council and its determination that the action contemplated by this Confirmation does not require further analysis under CEQA. The Confirmation not-to-exceed amount is \$751,675.00 (including cost of services and NCPA administrative fees) for services during Roseville's 2023 spring outage. There is no guarantee that the full amount of services will be paid to Performance Mechanical, Inc., but is merely a limit of potential expenditures.

There is no fiscal impact to NCPA. The services provided by Performance Mechanical, Inc. to Roseville will be billed to and paid by Roseville pursuant to the terms of the Support Services Program Agreement. NCPA's administrative costs will be reimbursed by Roseville.

**Motion:** A motion was made by Brian Schinstock and seconded by Jiayo Chiang recommending Commission approval subject to approval by the Roseville City Council of the requested services under the terms of the Northern California Power Agency (NCPA) Support Services Program Agreement and its determination under CEQA, approval of Resolution 23-03 authorizing the NCPA General Manager or his designee to execute Confirmation Number 0290 with a not-to-exceed amount of \$751,675.00, with any non-substantive changes as approved by the NCPA General Counsel, and issue a Purchase Order to Performance Mechanical, Inc. for HRSG maintenance, piping work, hydro-testing, other needed maintenance, outage support, and parts supply for the Roseville Energy Park facilities during its spring 2023 outage. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Palo Alto, Port of Oakland, Redding, Roseville, Santa Clara, and Ukiah. The motion passed.

4. **NCPA Geothermal Facility – 2023 Amendment to the Second Amendment and Restatement of the Steam Suppliers Joint Operating Agreement for the Southeast Geysers Effluent Pipeline Project** – Staff presented background information and was seeking a recommendation for Commission Approval for the General Manager or his designee to enter into the 2023 Amendment to the Second Amendment and Restatement of the Steam Suppliers Joint Operating Agreement for the Southeast Geysers Effluent Pipeline (SEGEP) Project between NCPA and Geysers Power Company, LLC, extending the term of Exhibit A to the Agreement through September 17, 2028, with any non-substantial changes recommended and approved by NCPA General Counsel, for use at NCPA's Geothermal facility.

The Southeast Geysers Effluent Pipeline (SEGEP) Project is a cooperative project between Lake County Sanitation District, Calpine, and NCPA that has been in operation since September 23, 1997. The project provides wastewater to The Geysers for the purposes of maintaining the reservoir pressure and increasing steam reserves of the geothermal field.

Calpine and NCPA share in the operating and maintenance costs for SEGEP, as detailed in the Steam Suppliers Joint Operating Agreement (JOA). Per the JOA, Electrical power to operate the pumps stations can be supplied by either Calpine or NCPA. The value of the electrical power is based on the Local Market Price. Calpine and NCPA either pays or reimburses the other entity for their share of electrical power. The payment or reimbursement is based on the volume of water each receive during a calendar year.

In addition, both Calpine and NCPA receive Bucket 0 Renewable Energy Credits (REC's) for the electrical power supplied to the effluent pipeline. Calpine as a private corporation is allowed to convert the Bucket 0 REC's into Bucket 3 REC's that are typically valued at \$0.50 to \$1.00 per MWh. Members of NCPA, as a Public Agency, are allowed to convert the Bucket 0 REC's into Bucket 1 REC's that are typically valued around \$15 per MWh.

An Amendment to the Steam Suppliers Joint Operating Agreement SEGEP Project was signed on March 2, 2018, which required NCPA to provide the entire power supply for the Bear Canyon Pump Stations except in outage situations. This allowed Calpine to sell power normally reserved for SEGEP on the Day Ahead market and receive higher valued Bucket 1 REC's. In return, Calpine compensated NCPA for its relative share of the electricity costs at the Local Market Price and further paid NCPA one half the value of a Bucket 1 REC or \$7.50 per MWh for all electricity supplied to SEGEP.

A further Amendment to the Steam Suppliers Joint Operating Agreement SEGEP Project was signed on February 1, 2021 adding clarifying language to describe the parties' agreement with respect to the supply of power to the Bear Canyon Pump Stations, and extending the term of Exhibit A of the agreement to January 28, 2023. This 2023 Amendment extends the term of Exhibit A to the underlying agreement through September 17, 2028, to coincide with the current expiration date of the Steam Suppliers Joint Operating Agreement.

**Motion:** A motion was made by Basil Wong and seconded by Brian Schinstock recommending Commission approval delegating authority to the NCPA General Manager or his designee to enter into the 2023 Amendment to the Second Amendment and Restatement of the Steam Suppliers Joint Operating Agreement Southeast Geysers Effluent Pipeline Project (SEGEP) between NCPA and Geysers Power Company, LLC, extending the term of Exhibit A to the Agreement through September 17, 2028, with any non-substantial changes recommended and approved by NCPA General Counsel, for use at NCPA's Geothermal facility. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Port of Oakland, Roseville, Santa Clara, and Ukiah. ABSTAIN = Palo Alto and Redding. The motion passed.

- 5. NCPA CT Facilities – Find the Proposed Activities of the Combustion Turbine Facilities 2023 Outages Qualify for CEQA Categorical Exemptions Found in the CEQA Guidelines Sections 15301(b), 15302(c), 15309 and 15311(c) (Classes 1, 2 and 9 as Described in Title 14 of the California Code of Regulations at §§15000 et seq.)** – Staff presented background information and was seeking a recommendation for Commission approval finding the proposed activities of the Combustion Turbine Facilities 2023 Outages qualify for CEQA categorical exemptions found in the CEQA Guidelines Sections 15301(b), 15302(c), 15309 and 15311(c) (Classes 1, 2 and 9 as described in Title 14 of the California Code of Regulations at §§15000 et seq.).

In accordance with proper maintenance of the Combustion Turbine facilities, NCPA's Combustion Turbine facilities will be conducting their annual outages in February and March 2023. The Scope of Work for the Combustion Turbine Facilities 2023 Outages include the following:

CT1 Lodi February 2023 Outage:

1. Fire System Testing
2. Gas Compressor Maintenance
3. CT Borescope Inspection
4. CT Inlet Filters Replacement
5. Scaffold Support
6. BOP Maintenance
7. Electrical Relay Testing
8. Rental Support Equipment

CT1 Alameda March 2023 Outage:

1. Fire System Testing
2. Gas Compressor Maintenance
3. CT Borescope Inspection
4. CT Inlet Filters Replacement
5. Scaffold Support
6. BOP Maintenance
7. Electrical Relay Testing
8. Rental Support Equipment

All of the work described above involves maintaining existing equipment, and is regular and recurring work.

These activities have already been subject to CEQA equivalent review. The proposed activities of the Combustion Turbine Facilities 2023 Outages are exempt from the provision of the California Environmental Quality Act (CEQA) pursuant to Sections 15301(b), 15302(c), 15309 and 15311(c) (Classes 1, 2 and 9 as described in Title 14 of the California Code of Regulations at §§15000 *et seq.*). This project consists of routine, recurring maintenance to the existing equipment listed above. This project will not change the function, size or operation of the equipment. A Notice of Exemption was approved by the NCPA Commission on September 27, 2013 for this class of work and was filed in Alameda County and San Joaquin County on January 14, 2014. Thus, this project conforms to these exemptions.

**Motion:** A motion was made by Jiayo Chiang and seconded by Basil Wong recommending Commission approval finding the proposed activities of the Combustion Turbine Facilities 2023 Outages qualify for CEQA categorical exemptions found in the CEQA Guidelines Sections 15301(b), 15302(c), 15309 and 15311(c) (Classes 1, 2 and 9 as described in Title 14 of the California Code of Regulations at §§15000 *et seq.*). A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Palo Alto, Port of Oakland, Santa Clara, and Ukiah. ABSTAIN = Redding and Roseville. The motion passed.

- 6. NCPA CT Facilities – Combustion Turbine Facilities 2023 Outages** – Staff provided background information and was seeking a recommendation for Commission approval authorizing the Combustion Turbine Facilities 2023 Outages and delegating authority to the General Manager or his designee to award bids, execute agreements, and to issue purchase orders for the outages in accordance with NCPA Purchasing Policies and Procedures, without further approval by the Commission, for a total cost not exceed \$464,500.

NCPA’s Combustion Turbine Facilities have planned outages scheduled from February 1, 2023 through February 28, 2023 (CT1 Lodi) and March 1, 2023 through March 31, 2023 (CT1 Alameda) for work related to the 2023 outages. During the outages, the CT1 Facilities team will complete preventative maintenance work on equipment that cannot be worked on while the units are operating without affecting the output of the facility. NCPA will hire a number of contractors to perform work during the 2023 outages. Please see the table below for a breakdown of the outage costs.

CT1 2023 Outage Costs	
Balance of Plant	\$123,500
Electrical Systems	\$110,000
Gas Turbine	\$146,000
Stacks	\$15,000
Incidentals	\$15,000
Water Treatment	\$5,000
Contingency	\$50,000
	\$464,500

The budgetary funds to complete the CT Facilities 2023 Outages will come from the pre-collected funds in the Maintenance Reserve. Please see table below detailing the impact of these expenses on the Maintenance Reserve.

<u>Balances</u>	
Maintenance Reserve Balance (6/30)	\$3,035,456
FY23 Contributions	\$625,000
Outage Work	(\$464,500)
End of FY23 Balance	\$3,195,956

**Motion:** A motion was made by Cindy Sauers and seconded by Basil Wong recommending Commission approval authorizing the Combustion Turbine Facilities 2023 Outages and delegate authority to the General Manager or his designee to award bids, execute agreements, and to issue purchase orders for the outages in accordance with NCPA Purchasing Policies and Procedures, without further approval by the Commission, for a total cost not exceed \$464,500, to be funded from the Maintenance Reserve. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Port of Oakland, Santa Clara, and Ukiah. ABSTAIN = Palo Alto, Redding, and Roseville. The motion passed.

- 7. Reserve and Security Deposit Policies Study** – Staff presented background information and was seeking a recommendation for Commission approval to revise deposit calculation methodologies for the Schedule Coordination Program Agreement, Market Purchase Program, Gas Purchase Program, NCPA Green Power Project, Third Phase Agreements, and Single Member Services Agreements and authorization for the General Manager or his designee to temporarily implement revised Schedule Coordination Program Agreement deposit requirements through 2023 to allow time for the Members to vet and approve changes to the program agreement terms.

At the last Facilities Committee meeting, Members were supportive of the revised deposit calculation methodologies. However, Members expressed that they would like more discussion regarding the language in the agreements, and whether or not a resolution or a standing policy document is needed for approval of the revised deposit calculations. After internal discussions, staff recommend the deposit requirements for each of the programs be defined in Policy 200-101 Operating Reserves. This increases flexibility to make future approved methodology revisions without requiring additional amendments to the respective agreements.

**Motion:** A motion was made by Basil Wong and seconded by Brian Schinstock recommending Commission approval authorizing revised deposit calculation requirements for the Schedule Coordination Program Agreements, Third Phase Agreements, Market Purchase Program, Gas Purchase Program, NCPA Green Power Program, and Single Member Service Agreements (collectively “Programs”) unless otherwise required by the underlying agreements and approving the General Manager or his designee to temporarily implement revised Schedule Coordination Program Agreements deposit requirements through 2023 to allow time for the Members to vet and approve changes to the program agreement terms. The revised Schedule Coordination Program Agreements deposit calculation will be based on the highest two months of estimated CAISO costs, and the revised deposit calculation for the other Programs will be based on the highest single-month contract cost(s) plus the two highest months of negative Mark-to-Market, unless otherwise required by the underlying agreements. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Palo Alto, Port of Oakland, Redding, Roseville, Santa Clara, and Ukiah. The motion passed.

**Note:** Not applicable to the Purchase Agreements Between Geysers Power Company, LLC and Northern California Power Agency and the Third Phase Agreement for Purchase Agreements with Geysers Power Company, LLC. These executed agreements require security in an amount equal to the highest three (3) months of estimated project costs for the initial term from January 2025 through

December 2026, as estimated by NCPA. No later than November 1, 2026, each Participant shall adjust the Security Deposit to an amount equal to the highest three (3) months of estimated Project Costs for the period January 2027 through December 2036, as estimated by NCPA.

8. **Resolution Commending Jiayo Chiang** – Adopt a resolution by all Facilities Committee Members commending the service of Jiayo Chiang, acting in the role of Facilities Committee Chair during Calendar Year 2022.

**Motion:** A motion was made by Shiva Swaminathan and seconded by Basil Wong recommending approval of the Resolution commending Jiayo Chiang as the 2022 Facilities Committee Chair. A vote was taken by roll call: YES = Alameda, Biggs, Gridley, Lodi, Palo Alto, Port of Oakland, Redding, Roseville, Santa Clara, and Ukiah. The motion passed.

## **INFORMATIONAL ITEMS**

9. **New Business Opportunities** – No update was provided at the time of this meeting.
10. **Nexant Cost Allocation Model Billing Determinants for FY 2024** – Staff reviewed initial calendar year 2022 billing determinants that will be used in the FY 2024 Nexant Cost Allocation Model.

The Nexant Model is the Commission-approved methodology used to allocate Power Management and certain Administrative Services budget costs to Members and Participants. Staff identified and reviewed the source of changes to Members' respective costs from the change in underlying calendar year 2022 operating data used as allocators in the model. The final version of the Nexant Cost Allocation Model and associated underlying operational data are scheduled to be finalized by January 11, 2023, and published to NCPA Connect for Member review and feedback.

Staff noted there was a significant decline from the previous year with respect to contracted quantities, contract deal counts and contract hour counts, which are used as bill determinants in the Nexant Model. To account for the reduction in contract bill determinant amounts, Staff proposes to modify the current one-third split among BART and Pool Members' respective metered loads, contracts and resources that are used to produce a member-specific composite allocation percentage for various Nexant-related budget amounts. The proposed change in allocation basis is .333 for Loads, .241 for Contracts and .426 for Pool & BART Resources using an adjustment factor based on the respective ratios of energy produced from Pool Resources and contracted energy to the sum of total Pool and contracted energy (in MWhs) for calendar year 2022. Staff also proposes to modify the Nexant Model to incorporate BART resources into a new, combined BART and Pool Resources bill determinant for applicable Nexant-related costs. Staff proposes for the SFWPA project to be treated as a single Operating Entity for the purpose of Nexant schedule counts to more accurately allocate Nexant costs in light of the four different ESP accounts that are used by NCPA's scheduling applications to allocate amounts to BART, NCPA Pool, Roseville and Santa Clara project participants. Finally, Staff proposes to modify the Nexant rules for Eligible Intermittent Resources (EIR) to use Hourly Schedule Counts, aggregated to the daily level, as a bill determinant for EIR resources that are not scheduled in the Day Ahead Market.

The initial allocated results for FY 2024 indicate the biggest increases to Biggs, BART, and TID, by approximately 14.06%, 5.18%, and 3.05% respectively, with the updated CY 2022 determinants. Members with the biggest decreases include Plumas-Sierra and Lompoc at 15.58% and 11.46% respectively. 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 final proposed modifications for the FY 2024 Nexant Cost Allocation Model determinants results will be presented at the February Facilities Committee meeting. Staff will seek a recommendation for Commission approval at that time.

**11. NCPA Geothermal Facility – Geo Battery Energy Storage System – NCPA Geothermal staff provided an informational presentation regarding a potential Battery Energy Storage System at Geo.**

NCPA’s geothermal facilities are not exporting at full line capacity due to declining steam pressures in the geothermal steam reservoir. NCPA is assessing a battery energy storage system that could utilize available capacity on the NCPA GEO 230kV transmission lines. The Geo Plant 2 contains Units 3 and 4. Plant 2’s original total capacity was 110 MW. NCPA retired Unit 3 in 2010, due to resource changes. Unit 4 now exports 40 MW. NCPA has approximately 70 MW of available capacity on the Fulton transmission line.

**Geo Plant 2 BESS Assumptions:**

- 70 MW/280 MWh Size (4 Hour Batteries)
  - Largest size based on available remaining existing transmission capacity
- 110 MW/440 MWh Size (4 Hour Batteries)
  - Largest size based on total available existing transmission capacity leaving Plant 2
- Tesla Megapack (LFP – Lithium-iron Phosphate)
  - The LFP batteries have a higher energy density but release significantly less heat (approximately 50% less) than the metal-based batteries

**Proposed Operations of GEO BESS:**

70 MW (280 MWh)

- Charge Time (From Unit 4) – Approximately 7 Hours
- Discharge during peak in addition to Unit 4 (70+40 MW)

110 MW (440 MWh)

- Charge Time (From Unit 4) – Approximately 11 Hours
- Discharge during peak in place of U4 (110 MW)
- Shift Steam from Unit 4 to U1/2 (+25 MW @ Plant 1)

**Geo BESS 70 MW Cost Estimate – July 2022**

- Engineering - \$1,250,000
- Major Equipment - \$135,523,545
- Structures - \$427,400
- Foundations/Cable Vaults - \$6,883,580
- Trench Work/Conduit - \$1,219,359
- Cable - \$3,302,719
- Grounding - \$163,455
- Miscellaneous - \$2,005,990
- Civil Work - \$1,092,961
- Survey/Locates - \$85,000
- Permitting - \$75,000
- Construction Management - \$380,000
- Testing - \$300,000

**BESS Project Total 70 MW – \$152,709,009**

**Geo BESS 110 MW Cost Estimate – July 2022**

- Engineering - \$1,450,000
- Major Equipment - \$213,777,330

- Structures - \$626,900
- Foundations/Cable Vaults - \$10,670,517
- Trench Work/Conduit - \$2,074,639
- Cable - \$4,949,596
- Grounding - \$222,500
- Engineering - \$1,450,000
- Major Equipment - \$213,777,330
- Structures - \$626,900
- Foundations/Cable Vaults - \$10,670,517
- Trench Work/Conduit - \$2,074,639
- Cable - \$4,949,596
- Grounding - \$222,500

**BESS Project Total 110MW – \$238,420,472**

Staff is asking for feedback and interest in this project. Please contact Geo staff with questions and interest.

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

**CTs –** CT1 had 0 starts of 3 forecasted. FYTD total is 84 starts. CT2 had 3 actual starts of 15 forecasted. FYTD total is 21 starts.

- Forced Outages
  - CT2 on 12/12 @ 2131 thru 12/13 @ 1100; Ambient temp conditions were <44\* to support a startup which would have caused compressor icing damage due to lack of LP steam. GT Aero turbines are susceptible to icing conditions when ambient temps are low <44\* and relative humidity @ >65% during a startup.
  - Alameda U1/U2 on 12/14 @ 0100 thru 1542; Loss of ECN circuit (AT&T), units weren't visible for dispatch. The line was cut early morning for the copper as per AT&T techs.
  - CT2 on 12/15 @ 1447 thru 1512, start failure due to hydraulic pressure switch reading low.
  - CT2 on 12/22 @ 1607 thru 1805 due to igniter trouble. GT late start (exceptional dispatch).
  - Alameda U1/U2 on 12/27 @ 0649 thru 2008; ECN circuit down (AT&T), units weren't visible for dispatch, informed dispatch to place an OMS ticket with CAISO for a 3 hour start up notification.
- Planned Outages
  - CT1 Lodi- 2/1/23 thru 2/28/23
  - CT1 Alameda- U1/U2- 3/1/23 thru 3/31/23
  - CT2 STIG- 4/1/23 thru 4/30/23

CT1 Lodi corrected run hours is 172.9 (86%) of 200 allowed based on a calendar year. CT1 Alameda Diesel Unit 1 has used 6.92 hours of 20, and Unit 2, 7.47 hours of 20, based on a rolling year. Staff reviewed the CAISO Commitment Runs for December 2022.

**Hydro –** Collierville (CV) Power House was at 99.5% availability and New Spicer Meadows (NMS) Power House was at 96.6% availability during the month of December. NMS storage increased by 4,700 acre feet at 6% month over month from 75,600 acre feet to 80,300 acre feet. At this time last year New Spicer Meadows Reservoir storage was 6,140 acre feet. McKays Reservoir spilled heavily during the month with more spilling forecasted. Current precipitation is 20.4 inches, at 158% of average for this date. Snow pack is at 69% of April 1 average.



The Hydro facilities are coming off of a very wet stretch in the watershed with an atmospheric river event last weekend.

- Water issues on the Hydro Project:
  - CV and Spicer unit trips, roadway issues, high tail-water, sump flooding, roadway blockages, landslide dewatering well maintenance, Beaver Creek Diversion trips, and a Collierville culvert failure
  - Every available Hydro employee was called out
  - Staff is dealing with the fallout and preparing for another upcoming storm

Regulatory events for the month included:

- Filed FERC Security annual report
- Filed FERC and DSOD annual DSSMR
- Preparing the USGS water year report

**Geo** – There were no safety incidents to report for the month of December. Safety training is 100% complete for CY 2022. The average net generation level for the month was 74.6 MW. Total net generation was 55.5 GWh. The actual year 2022 net generation was 764 GWh YTD, 4.1% over forecasted. The year 2022 net generation forecast was 734.1 GWh YTD. Steam Field repairs included the Well J-5 steam leak repair. The Unit 4 Overhaul is progressing. The general scope of work for the Unit 4 overhaul includes:

- **Balance of Plant Work - Completed**
  - Inspected & Tested of 13.8 KV and 480 V Bus Work and Breakers
  - Repaired & Installed Main Steam Stop Valves
  - Cleaned Unit #4 Main Condenser Tubes
  - Cleaned Gas Removal System Condensers
  - Cleaned Unit #4 Cooling Tower Basin
  - Completed Repairs in Plant #2 Stretford System
- **Unit #4 Turbine Generator Repairs**
  - Received Turbine Diaphragms
  - Repaired Overhead Crane
  - Repaired Casing
  - Conducted Seal and Lube Oil Flushes

### 13. Planning and Operations Update –

- **Current Resource Integration Activities in Progress**
  - Dagget Solar / Storage – Q2 2023
  - *Pending* Lodi Thermal Project – June 2023
  - Sandborne Storage – Q3 2023
  - Scarlet Solar / Storage – Q3 2023
  - Proxima Solar / Storage – Q1 2024
  - Deer Creek – *On Hold*
- **Geysers Power Company LLC Purchase Agreements and Third Phase Agreement**
  - Purchase Agreements
    - RPS Agreement and RA Agreement
      - Effective Date: December 23, 2022
    - Geysers Geothermal Third Phase Agreement
      - Effective Date: December 22, 2022

- Next Steps
  - Project Participation Percentage Transfer Deadline
    - Deadline: April 30, 2023
  - Key Steps Required:
    - Provide written notice of intent to accept transfer to NCPA
    - Execute the Geysers Geothermal Third Phase Agreement by the Transfer Completion Deadline
  
- **Market Conditions** – Staff discussed the challenges of the current market conditions with the price of natural gas being extremely high right now, and the impact that is having. Current NCPA activities include:
  - January 2023 LEC Planned Outage Cancelled
  - Active tracking of EAL and liquidity positions
    - Expecting EAL to increase above credit limit first week of January 2023
    - Expected peak of EAL January 18, 2023
    - Increased EAL may extend throughout Q1 2023
    - Working with select Members to increase collateral postings
  - Evaluating use of balance-of-month authority
  - Evaluating liquidity for December 2022/January 2023 expected/forecasted costs
  - Considering use of additional resource supply in response to high prices (discretionary hydro)
  - Regulatory outreach

**14. Next Meeting** – The next Facilities Committee meeting is scheduled for February 1, 2023.

### **ADJOURNMENT**

The meeting was adjourned at 12:13 pm by the Committee Vice Chair.



**Northern California Power Agency  
January 4, 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>Grayson Chang</i>
LOMPOC	
PALO ALTO	
PLUMAS-SIERRA REC	
PORT OF OAKLAND	
REDDING	<i>B. S. L. D.</i>
ROSEVILLE	
SANTA CLARA	
SHASTA LAKE	
TID	
UKIAH	