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Minutes

Date: March 17, 2023
To: NCPA Facilities Committee
From: Carrie Pollo
Subject: March 15, 2023 Special Facilities Committee Meeting Minutes

- 1. Call meeting to order & Roll Call** – The meeting was called to order by Committee Chair Alan Harbottle (Alameda) at 9:15 am. Attending via teleconference and on-line presentation were Jake Carter (Gridley), Terry Crowley (Healdsburg), Jiayo Chiang (Lodi), Shiva Swaminathan (Palo Alto), Mike Brozo (Plumas-Sierra), Khaly Nguyen (Port of Oakland), Nick Rossow (Redding), Brian Schinstock (Roseville), Basil Wong (Santa Clara), Willie Manuel and Peter Lorenz (TID), and Cindy Sauers (Ukiah). Those attending in person are listed on the attached Attendee Sign-in Sheet. Committee Representatives from BART, Biggs, Lompoc, and Shasta Lake were absent. A quorum of the Committee was established.

PUBLIC FORUM

No public comment.

OPEN SESSION

INFORMATIONAL ITEMS

- 2. NCPA Geothermal Facility – Geo Battery Energy Storage System** – Geothermal staff lead a discussion regarding a possible Battery Energy Storage System at Geo. (*Sponsor: Geo*)

Staff is proposing a 70MW Battery Energy Storage System (BESS) based on the available remaining existing transmission capacity. This BESS would consist of 76 Tesla Mega-packs. Charge time for these batteries is just under four hours and up to seven hours, which can be cycled once per day for 360 days per year including maintenance days. These Mega-packs could be used during peak hours, and would be capable of importing and exporting the energy. All system components are outside of the existing plant boundaries.

The approximate cost of this project is \$152,709,009. With an investment tax credit (ITC) of 30% at \$45,812,703 the total cost to build the project is \$106,896,306. The total project cost including maintenance costs is approximately \$125,866,984. Approximate savings compared with the Calpine BESS PPA is \$9.51 per kW-month.

Member questions were answered regarding economics, the Inflation Reduction Act (IRA), operation of the system, and other miscellaneous questions. Below is the current ownership shares per Member.

GEO Participant	Ownership Share	Interest?
Alameda	16.883%	
Biggs	0.227%	
Gridley	0.336%	
Healdsburg	3.674%	
Lodi	10.280%	
Lompoc	3.681%	
Plumas	0.701%	
Ukiah	5.615%	
Roseville	7.883%	
Santa Clara	44.391%	
Turlock Irrigation District	6.331%	

After discussion with the Committee, staff asked Members of their interest in this project. The general consensus of the Members present at the meeting was that all were interested in the project, and would like staff to continue researching and gathering information for this project. Members expressed that they need to discuss this item with their City Counsels. Staff will bring this item back for further consideration and discussion in approximately three months.

ADJOURNMENT

The meeting was adjourned at 10:35 am by the Committee Chair.

**Northern California Power Agency
March 15, 2023 Special 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	✓
SHASTA LAKE	
TID	✓
UKIAH	✓

**Northern California Power Agency
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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>
Carrie Pollo	VLCPA
Tony Zimmer	"
Shaun Robinson	"
Marc Pelletier	"
Mike DeBortoli	"
Marty Hanks	"
Jane Luckhardt	"
Sandra Ainsworth	"