



12745 N. Thornton Road  
Lodi, CA 95242

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# Notice – Call of Special PPC Meeting

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**To:** NCPA Lodi Energy Center Project Participant Committee  
**From:** Brock Costalupes, Chairman  
**Subject:** **June 26, 2023 LEC PPC Special Meeting Notice & Agenda**

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PLEASE TAKE NOTICE that pursuant to Government Code section 54956, a special meeting of the Northern California Power Agency Lodi Energy Center Project Participant Committee is hereby called for **Monday, June 26, 2023 at 1:00 pm Pacific Standard Time** to discuss those matters listed in the attached Agenda. The meeting will be held at the Northern California Power Agency, 12745 N. Thornton Road, Lodi, California.

If you are unable to attend the meeting in person at the Lodi location and wish to attend via teleconference, in accordance with The Brown Act, you must attend at one of the locations listed on the Agenda and post the Agenda at that location by 1:00 pm Pacific Standard Time no later than 24 hours prior to the meeting commencement date and time, in a location that is accessible to the public until the completion of the meeting.

*Brock Costalupes*  
Brock Costalupes, Chairman



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## LEC PPC Agenda

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**Subject: June 26, 2023 Special Lodi Energy Center Project Participant Committee Meeting**

**Location: 12745 N. Thornton Road, Lodi, CA and/or Posted Teleconference Locations**

**Time: 1:00 pm Pacific Standard Time**

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\*\*\* In compliance with the Brown Act, you may participate in person at the meeting location or via teleconference at one of the locations listed below. In either case, please: (1) post this notice at a publicly accessible location at the participation location at least 72-hours before the meeting begins, and (2) have a speaker phone available for any member of the public who may wish to attend at your location.

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NCPA 651 Commerce Drive Roseville, CA 95678	NCPA 12745 N. Thornton Road Lodi, CA 95241	CITY OF HEALDSBURG 401 Grove Street Healdsburg, CA 95448
BAY AREA RAPID TRANSIT 300 Lakeside Drive, 16 <sup>th</sup> Floor Oakland, CA 94612	CITY OF GRIDLEY 685 Kentucky Street Gridley, CA 95948	CITY OF LOMPOC 100 Civic Center Plaza Lompoc, CA 93438
CITY OF BIGGS 465 "C" Street Biggs, CA 95917	PLUMAS-SIERRA RURAL ELECTRIC COOP 73233 Highway 70 Portola, CA 96122	POWER & WATER RESOURCES POOLING AUTHORITY 106 Polo Rd Glenwood Springs, CO 81601
CALIFORNIA DEPARTMENT OF WATER RESOURCES 1425 River Park Dr., Suite 300 Sacramento, CA 95815	SILICON VALLEY POWER/CITY OF SANTA CLARA 881 Martin Avenue Santa Clara, CA 95050	CITY OF UKIAH 300 Seminary Avenue Ukiah, CA 95482
CITY OF AZUSA 729 N. Azusa Avenue Azusa, CA 91702	MODESTO IRRIGATION DISTRICT 1231 11 <sup>th</sup> Street Modesto, CA 95354	

*Persons requiring accommodations in accordance with the Americans with Disabilities Act in order to attend or participate in this meeting are requested to contact the NCPA Secretary at 916.781.3636 in advance of the meeting to arrange for such accommodations.*

*The Lodi Energy Center Project Participant Committee may take action on any of the items listed on this Agenda regardless of whether the matter appears on the Consent Calendar or is described as an action item, a report, or an information item. If this Agenda is supplemented by staff reports, they are available to the public upon request. Pursuant to California Government Code Section 54957.5, the following is the location at which the public can view Agendas and other public writings: NCPA, 651 Commerce Drive, Roseville, CA or [www.ncpa.com](http://www.ncpa.com)*

**1. Review Safety Procedures**

**2. Call Meeting to Order and Roll Call**

**PUBLIC FORUM**

Any member of the public who desires to address the Lodi Energy Center Project Participant Committee on any item considered by the Lodi Energy Center Project Participant Committee at this meeting, before or during the Committee's consideration of that item, shall so advise the Chair and shall thereupon be given an opportunity to do so. Any member of the public who desires to address the Lodi Energy Center Project Participant Committee on any item within the jurisdiction of the Lodi Energy Center Project Participant Committee and not listed on the Agenda may do so at this time.

- 3. Steam Turbine Gearbox Runtime and Inspection** – Staff is seeking approval from the LEC PPC to run the unit at a potential loss for no more than 16 hours to meet the minimum gearbox runtime, followed by a 6-day outage to complete an inspection of the steam turbine gearbox.

**ADJOURNMENT**

Next Regular Meeting: Monday, July 10, 2023 at 10:00 am Pacific Standard Time.

*Persons requiring accommodations in accordance with the Americans with Disabilities Act in order to attend or participate in this meeting are requested to contact the NCPA Secretary at 916.781.3636 in advance of the meeting to arrange for such accommodations.*



## **Lodi Energy Center Project Participant Committee Staff Report**

AGENDA ITEM NO.: 03

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**Meeting Date:** June 26, 2023

**To:** Lodi Energy Center Project Participant Committee

**Subject:** Steam Turbine Gearbox Runtime and Inspection; Applicable to the following projects: NCPA Lodi Energy Center

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### Proposal

Approval to schedule and dispatch the Project in a way that may be inconsistent with the normal scheduling and bidding principles as set forth in the PMOA Agreement Schedule 1.00 (Scheduling and Dispatch Operations and Economic Criteria), to complete the manufacturer's testing requirements for the steam turbine gearbox. While NCPA will strive to limit any financial losses that may be incurred while performing such testing and maintenance, the LEC Project Participants acknowledge that scheduling and dispatching the Project to accomplish these goals may result in net financial losses for the project during the testing and maintenance period.

### Background

Following discussions that took place in the June 12, 2023 LEC PPC meeting, NCPA went back to Siemens and questioned the 100 hour run imposed on our Gearbox. Siemens Finspong has advised that a 3-day, 5-6 hour run/day is sufficient to conduct the gearbox inspection. The Weather forecast shows an increase in ambient conditions >94°F for mid-week/weekend.

A three day run is needed to allow proper thermal growth of the steam turbine and gearbox. NCPA is requesting LEC runs on the following days:

- June 28, 2023 – Minimum of a five hour run
- June 29, 2023 – Minimum of a five hour run
- June 30, 2023 – Minimum of a six hour run with a minimum of 4 hours @ baseload

Total runtime will not exceed 16 hours, with evening runs preferred to capture a more robust market pricing. This run will be followed by a six day forced outage to inspect gearbox (5 days of cooldown and 1 day of inspection). The outage is proposed to take place from June 30, 2023 at 23:59 through July 6, 2023 at 23:59.

There is a potential risk that we may encounter reasonable market losses. Market conditions could potentially change and this strategy might not work.

Selection Process

NCPA has a long term maintenance agreement in place with Siemens Energy, Inc. which commits NCPA to use Siemens for services as well as purchase proprietary parts to maintain warranty. Siemens will be performing the inspection on the steam turbine gearbox.

Fiscal Impact

Due to the current market conditions, there's a potential risk that a net loss of \$60k-80k can be incurred during the testing and maintenance period.

Environmental Analysis

This activity would not result in a direct or reasonably foreseeable indirect change in the physical environment and is therefore not a "project" for purposes of Section 21065 the California Environmental Quality Act. No environmental review is necessary.

Submitted by:

Michael DeBortoli  
Assistant General Manager  
Generation Services

Attachments: (0)



# **LEC Steam Turbine Gearbox Runtime and Inspection**

Rafael Santana  
Plant Manager  
June 26, 2023

## LEC Steam Turbine Run Time Request

- Following discussions that took place in the June 12, 2023 LEC PPC Meeting, NCPA staff went back to Siemens and questioned the 100 hour run imposed on our Gearbox.
- Siemens Finspong advised that a 3-day, 5-6 hour run/day is sufficient to conduct gearbox inspection.
  - Weather forecast shows an increase in ambient conditions >94°F for mid-week/weekend.
  - A three day run is needed to allow proper thermal growth of steam turbine and gearbox.
  - Requesting LEC runs on the following days:
    - June 28, 2023
    - June 29, 2023
    - June 30, 2023

## LEC Steam Turbine Run Time Request (cont.)

- The Plan
  - June 28, 2023 – Minimum of a five hour run
  - June 29, 2023 – Minimum of a five hour run
  - June 30, 2023 – Minimum of a six hour run with a minimum of 4 hours @ baseload
- Total runtime not to exceed 16 hours, with evening runs preferred to capture a more robust market pricing.
- Runs to be followed by a six day forced outage to inspect gearbox (5 days of cooldown and last day inspection).
  - Outage dates: June 30, 2023 @ 2359 thru July 6, 2023 @ 2359.
- The Risk
  - There's a potential risk that we may encounter reasonable market losses.
  - Market conditions could potentially change and this strategy might not work.



## Fiscal Impact

- Due to the current market conditions, there's a potential risk that a net loss of \$60k-80k can be incurred during the testing and maintenance period.

## **Environmental Analysis**

- This activity would not result in a direct or reasonably foreseeable indirect change in the physical environment and is therefore not a “project” for purposes of Section 21065 the California Environmental Quality Act. No environmental review is necessary.

## **Recommendation**

Staff is seeking authority from the LEC Project Participants to schedule and dispatch the Project in a way that may be inconsistent with the normal scheduling and bidding principles as set forth in the PMOA Agreement Schedule 1.00 (Scheduling and Dispatch Operations and Economic Criteria), to complete the manufacturer's testing requirements for the steam turbine gearbox.

While NCPA will strive to limit any financial losses that may be incurred while performing such testing and maintenance, the LEC Project Participants acknowledge that scheduling and dispatching the Project to accomplish these goals may result in net financial losses for the project during the testing and maintenance period.