

## DOCKETED

<b>Docket Number:</b>	08-AFC-03C
<b>Project Title:</b>	Marsh Landing Generating Station Compliance
<b>TN #:</b>	223076
<b>Document Title:</b>	Notice of Receipt - Petition To Amend Marsh Landing Generating Station
<b>Description:</b>	N/A
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**CALIFORNIA ENERGY COMMISSION**

1516 NINTH STREET  
SACRAMENTO, CA 95814-5512  
www.energy.ca.gov



**NOTICE OF RECEIPT**  
**PETITION TO AMEND MARSH LANDING GENERATING STATION**  
**(08-AFC-03C)**

On March 26, 2018, NRG Marsh Landing, LLC, filed a Petition to Amend (PTA) with the California Energy Commission (Energy Commission) requesting modifications to incorporate a battery energy storage system (BESS) and associated equipment to the Marsh Landing Generating Station (MLGS). The batteries will start the gas turbines to restart the power plant in the event of a blackout to support the California Independent System Operator (CAISO)'s directed restoration of the electrical grid in response to an emergency condition (also known as "black start" capability). MLGS is a simple-cycle, natural gas-fired, 760-megawatt facility, located in the city of Antioch, California. The project was certified by the Energy Commission on August 25, 2010, and began commercial operation on May 1, 2013.

**DESCRIPTION OF PROPOSED MODIFICATIONS**

The PTA (TN 223052) is seeking approval to install and operate a BESS to provide black start capability to MLGS. The proposed MLGS project consists of installing up to a 7-MW/3.6-megawatt-hour Lithium Ion (LI) BESS to provide black start capability to the Unit 3 and 4 gas turbines. The BESS consists of seven LI battery banks installed in two metal enclosures. The BESS will connect to the MLGS plant via new switchgear tied into the Unit 3 and Unit 4 bus.

The BESS black start service would:

- maintain frequency and voltage through the system restoration process;
- provide reactive power capability;
- safely shutdown Units 3 and 4 in a grid emergency load rejection event;
- run back to full-speed no-load (FSNL) from full or part load;
- carry units down to High Speed Turning Gear for immediate restart; and
- start Unit 3 and/or Unit 4 to restore power to MLGS in island mode.

According to the project owner, the project modifications do not materially change the environmental consequences of the MLGS, and all impacts associated with the installation of black start capability, as well as the operating and testing scenarios associated with black start capability, are expected to remain less than significant. For additional information, the Energy Commission's webpage for this facility, <http://www.energy.ca.gov/sitingcases/marshlanding/index.html>, has a link to the PTA (TN 223052) accessible through the webpage in the box labeled "Compliance Proceeding." Click on the "Documents for this Proceeding (Docket Log)" option.

## ENERGY COMMISSION AMENDMENT REVIEW PROCEDURES

The purpose of the Energy Commission's review process is to assess the impacts of this proposal on environmental quality and on public health and safety. The review process also includes an evaluation of the consistency of the proposed changes with the Energy Commission's MLGS Decision and a determination on whether the facility, as modified, would remain in compliance with applicable laws, ordinances, regulations and standards (20 Cal. Code of Regs., § 1769). After the staff has completed its independent review and analysis of this petition, it will publish its assessment for public review and comment. Upon completion of its review, the staff will provide written notice of its intent to either process the proposed changes as a Staff Approved Project Modification or schedule it for consideration by the Energy Commission at a regularly scheduled Business Meeting.

This Notice of Receipt is being mailed to the Commission's facility mail list of interested parties and property owners adjacent to the facility site. It is also available via the facility listserv. The listserv is an automated Energy Commission system by which information about this facility is emailed to parties who have subscribed. To subscribe, go to the Commission's webpage for this facility, cited above, scroll down the right side of the project's webpage to the box labeled "Subscribe," and provide the requested contact information.

Any person may comment on the petition. To use the Energy Commission's electronic commenting feature, go to the Energy Commission's webpage for this facility, cited above, click on either the "Comment on this Proceeding" or "Submit e-Comment" link, and follow the instructions in the on-line form. Be sure to include the facility name in your comments.

Written comments may also be mailed or hand-delivered to:

California Energy Commission  
Dockets Unit, MS-4  
Docket No. 08-AFC-03C  
1516 Ninth Street  
Sacramento, CA 95814-5512

All comments and materials filed with, and approved by, the Dockets Unit will be added to the facility Docket Log and become publicly accessible on the Energy Commission's webpage for the facility.

If you have questions about this notice, please contact Keith Winstead, Siting Project Manager, at (916) 654-5191, or by fax to (916) 654-3882, or via e-mail at [keith.winstead@energy.ca.gov](mailto:keith.winstead@energy.ca.gov)

For information on participating in the Energy Commission's review of the petition, call the Public Adviser, Alana Mathews at (800) 822-6228 (toll-free in California) or send your e-mail to [publicadviser@energy.ca.gov](mailto:publicadviser@energy.ca.gov).

News media inquiries should be directed to the Energy Commission Media Office at (916) 654-4989, or by email to [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov).

Date: 3/28/18

Signature on File

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