

## CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET  
SACRAMENTO, CA 95814-5112



**DOCKET**  
**08-AFC-8**

October 22, 2009

DATE OCT 22 2009

REC'D OCT 26 2009

Dear Librarian:

**THE HYDROGEN ENERGY CALIFORNIA PROJECT, AMENDMENT TO THE REVISED APPLICATION FOR CERTIFICATION (08-AFC-8), TO ELIMINATE THE AUXILIARY COMBUSTION TURBINE GENERATOR GENERAL ELECTRIC LMS 100**

On September 30, 2009, the Energy Commission received an amendment to the Revised Application for Certification (AFC) for Hydrogen Energy California (HECA). The amendment proposes modifications to the HECA project by eliminating the auxiliary General Electric combustion turbine generator (CTG) LMS 100 and reducing the emission rates for particulate matter less than 10 microns in diameter (PM 10) and particulate matter less than 2.5 microns in diameter (PM 2.5) from the General Electric 7B CTG/Heat Recovery Steam Generator (HRSG) when firing hydrogen-rich fuel.

The amended project would still produce about 250 megawatts (MW) of baseload power for the grid and 390 gross MW from the combined-cycle plant that is fed by the Gasification Block and would still require two conventional mechanical-draft cooling towers.

**Project Location**

The project modification is within the proposed 473-acre site (currently used for agricultural production of alfalfa, cotton, and onions), and is comprised of two parcels (Part of Assessor's Parcel # 159-040-16 and 159-040-18, respectively). The proposed project site would be located in western unincorporated Kern County, Section 10 of Township 30 South, Range 24 East, approximately 7 miles west of the outermost edge of the city of Bakersfield. It is 1.5 miles northwest of the unincorporated community of Tupman and approximately 4 miles southeast of the unincorporated community of Buttonwillow, and is bounded by Adohr Road on the north, Tupman Road to the east, an irrigation canal (California State Water Project, aqueduct) to the south, and Dairy Road to the west. Elk Hills Oil Field is located approximately 1 mile south of the project site.

On August 26, 2009, the California Energy Commission determined the AFC to be data adequate, and staff is now in the discovery and analysis phases of the approximately 12-month project review process. The Energy Commission's siting process is open to the public and incorporates the input of the public as well as local, state, and federal agencies. To facilitate public participation in our review process, the Energy Commission has sent copies of the AFC to libraries in the project area, and to libraries in Eureka, San Francisco, Sacramento, Fresno, Los Angeles, and San Diego.

Please make the enclosed document available for those who may wish to be informed about the project. We request that you not allow the AFC and the Amendment or any of its contents to be removed from the library. To increase accessibility of the document, we ask, if possible, that you cross reference it as a general reference work under the title and author categories, as well as under such subjects as "Energy Commission," "electricity," "energy/generation," "power plant siting," or any other relevant subject.

PROOF OF SERVICE (REVISED 9/3/09) FILED WITH  
ORIGINAL MAILED FROM SACRAMENTO ON 10/26/09

AA

Thank you for your cooperation. If you have any questions, please contact Rod Jones, Energy Commission Project Manager, at (916) 654-5191, or by email at [rjones@energy.state.ca.us](mailto:rjones@energy.state.ca.us), or April Albright, Project Secretary, at (916) 653-1640, or by e-mail at [AEsau@energy.state.ca.us](mailto:AEsau@energy.state.ca.us).

Sincerely,

**Original signed by:**

Eileen Allen, Manager

Energy Facilities Siting and Compliance Office

Date: 10/22/09

Enclosure

**CALIFORNIA ENERGY COMMISSION**

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



October 22, 2009

**To: MEMBERS OF THE PUBLIC**

**RECEIPT OF AMENDMENT TO THE REVISED APPLICATION FOR CERTIFICATION FOR THE HYDROGEN ENERGY CALIFORNIA PROJECT (08-AFC-8), TO ELIMINATE THE AUXILIARY COMBUSTION TURBINE GENERATOR GENERAL ELECTRIC LMS 100**

On September 30, 2009, the Energy Commission received an amendment to the Revised Application for Certification (AFC) for Hydrogen Energy California (HECA). The amendment proposes modifications to the HECA project by eliminating the auxiliary General Electric combustion turbine generator (CTG) LMS 100 and reducing the emission rates for particulate matter less than 10 microns in diameter (PM10) and particulate matter less than 2.5 microns in diameter (PM 2.5) from the General Electric 7B CTG/Heat Recovery Steam Generator (HRSG) when firing hydrogen-rich fuel.

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**Project Location**

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**Energy Commission's Facility Certification Process**

The Energy Commission is responsible for reviewing and ultimately approving or denying applications for construction for all thermal electric power plants in California that are, 50 MW and greater. The Energy Commission's facility certification process carefully examines public health and safety, environmental impacts and engineering aspects of proposed power plants and all related facilities such as electric transmission lines and natural gas and water pipelines. The Energy Commission is the lead agency under the California Environmental Quality Act (CEQA), but through its certified regulatory program produces several environmental and decision documents rather than an Environmental Impact Report.

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As part of our review process, the staff of the Energy Commission works closely with local, state and federal agencies to ensure that all laws, ordinances, regulations and standards are addressed in the Energy Commission's final decision. The AFC was complete on August 26, 2009, and staff's data discovery and issue analysis phases has begun.

### **Public Participation**

Over the coming months, the Energy Commission will conduct a number of public workshops and hearings to determine whether and under what conditions the proposed project should be approved for construction and operation. The workshops will provide the public as well as local, state and federal agencies the opportunity to participate in reviewing the proposed project. The Energy Commission will issue notices for these workshops and hearings at least ten days prior to the meeting. If you are not currently receiving these notices and wish to be placed on the mailing list, please contact April Albright, Project Secretary, at (916) 653-1640, or by email at [AAlbright@energy.state.ca.us](mailto:AAlbright@energy.state.ca.us)

If you desire information about participating in the Energy Commission's review of the proposed project, please contact Loreen McMahon, the Energy Commission's Public Adviser, by phone at (916) 654-4489 or toll free in California at (800) 822-6228, or by email at [pao@energy.state.ca.us](mailto:pao@energy.state.ca.us). Technical or project schedule questions should be directed to Rod Jones, Energy Commission Project Manager, at (916) 654-5191 or by email at [rjones@energy.state.ca.us](mailto:rjones@energy.state.ca.us).

**Note: Please retain this letter behind the front cover of the AFC. Thank You.**



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT  
COMMISSION OF THE STATE OF CALIFORNIA  
1516 NINTH STREET, SACRAMENTO, CA 95814  
1-800-822-6228 – WWW.ENERGY.CA.GOV**

**APPLICATION FOR CERTIFICATION  
FOR THE *HYDROGEN ENERGY*  
*CALIFORNIA PROJECT***

Docket No. 08-AFC-8

**PROOF OF SERVICE LIST  
(Rev. 9/3/09)**

**APPLICANT**

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**INTERESTED AGENCIES**

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DECLARATION OF SERVICE

I, April Albright, declare that on October 26, 2009, I served and filed copies of the attached Notice of Availability of the Amendment to the Revised AFC; Library Letter for the Amendment to the Revised AFC; and Agency Letter for the Amendment to the Revised AFC dated, October 22, 2009. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [\[www.energy.ca.gov/sitingcases/hydrogen\\_energy\]](http://www.energy.ca.gov/sitingcases/hydrogen_energy).

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

*(Check all that Apply)*

FOR SERVICE TO ALL OTHER PARTIES:

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, CA with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses **NOT** marked "email preferred."

**AND**

FOR FILING WITH THE ENERGY COMMISSION:

sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

**OR**

depositing in the mail an original and 12 paper copies, as follows:

**CALIFORNIA ENERGY COMMISSION**

Attn: Docket No. 08-AFC-8  
1516 Ninth Street, MS-4  
Sacramento, CA 95814-5512  
[docket@energy.state.ca.us](mailto:docket@energy.state.ca.us)

I declare under penalty of perjury that the foregoing is true and correct.

Original signed by: \_\_\_\_\_  
**April Albright**