

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5112



DOCKET
08-AFC-11

DATE	<u>FEB 04 2009</u>
------	--------------------

February 4, 2009

RECD.	<u>FEB 04 2009</u>
-------	--------------------

Dear Librarian:

DOCUMENT HANDLING FOR THE CPV VACA STATION PROJECT APPLICATION FOR CERTIFICATION (08-AFC-11) – SUPPLEMENTAL INFORMATION

On November 18, 2008, CPV Vacaville, LLC (CPVV) submitted an Application for Certification (AFC) to the California Energy Commission to construct and operate an electrical generating plant in the city of Vacaville, Solano County, California. The CPV Vaca Station (CPVVS) would be a combined cycle natural gas-fired, nominal 660-megawatt (MW) power generation facility.

On January 9, 2009, CPVV filed an AFC Data Adequacy Supplement B to the AFC to satisfy the Energy Commission's informational requirements. On January 28, 2009, the Energy Commission accepted the AFC as complete and staff has now begun the data discovery and analysis phase of the project's 12-month licensing process.

The proposed project would be located on a 24-acre parcel owned by the city of Vacaville, located at the intersection of Lewis and Fry roads in a rural area within the city limits of Vacaville. Northwest of the proposed site is the city of Vacaville's wastewater treatment plant, and land to the east, west, and south is currently agricultural use.

If approved, construction of the project would begin in the spring of 2011 and would last for 30 months. Pre-operational testing of the power plant would begin in the fall of 2012 with full-scale commercial operation commencing by spring 2013.

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 AFC available for those who may wish to be informed about the project. We request that you not allow the AFC or any of its contents 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.

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, or April Albright, Project Secretary, at (916) 653-1640, or by e-mail at AEsau@energy.state.ca.us.

Sincerely,

Original signed by
Eileen Allen, Manager
Siting and Compliance Office

Enclosure

PROOF OF SERVICE (REVISED 01/29/09) FILED WITH
ORIGINAL MAILED FROM SACRAMENTO ON 02/04/09
AA

CALIFORNIA ENERGY COMMISSION

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



February 4, 2009

To: MEMBERS OF THE PUBLIC

DISTRIBUTION OF SUPPLEMENTAL INFORMATION FACILITATING PUBLIC PARTICIPATION IN THE REVIEW OF THE CPV VACA STATION PROJECT (08-AFC-11)

On November 18, 2008, CPV Vacaville, LLC (CPVV) submitted an Application for Certification (AFC) to the California Energy Commission to construct and operate an electrical generating plant in the city of Vacaville, Solano County, California. The CPV Vaca Station (CPVVS) would be a combined cycle natural gas-fired nominal 660-megawatt (MW) power generation facility. A copy of this AFC was previously provided to the Library on December 3, 2008. Enclosed with this letter is a copy of an information supplement to the AFC. On January 28, 2009, the Energy Commission accepted the AFC with the supplemental information as complete. The staff of the Energy Commission has now begun the data discovery and analysis phase of the project's licensing process.

Project Location

The proposed project would be located on a 24-acre parcel owned by the city of Vacaville, located at the intersection of Lewis and Fry roads in a rural area within the city limits of Vacaville. On the northwest of the site is the city's wastewater treatment plant, and to the east, west, and south is land currently in agricultural use.

Project Description

Highlights of the Project are as follows:

- The project would either utilize two General Electric Frame 7FA or two Siemens SGT6 5000F combustion turbine-generators (CTGs), a single condensing steam turbine generator (STG), a deaerating surface condenser, a 12-cell mechanical draft cooling tower, and associated support equipment.
- The CTGs would be equipped with evaporative coolers on the inlet air system and dry low nitrogen oxide (NO_x) combustors.
- The heat recovery steam generators (HRSGs) would be of the horizontal, natural circulation type, equipped with duct burners. The emission reduction system would include a selective catalytic reduction (SCR) unit to control NO_x stack emissions and an oxidation catalyst to control carbon monoxide and volatile organic compounds emissions.
- A nominal 1,000-kilowatt (kW), diesel-fired emergency generator would also be included in the project.

- The project makeup water supply would consist entirely of reclaimed secondary-treated wastewater (1,185 million gallons per year) from the wastewater treatment plant. The wastewater supply from the city's wastewater treatment plant would be treated on site to meet California Title 22 requirements for the industrial reuse of secondary-treated wastewaters. Tertiary treatment filter backwash would be returned to the headworks of the wastewater treatment plant.
- A zero liquid discharge (ZLD) treatment system would process all plant wastewater streams not recovered for reuse within the project. Small quantities of specific wastewaters (such as some equipment cleaning wastewaters) that cannot be made suitable for treatment in the ZLD system or plant reuse would be collected for offsite disposal at a licensed treatment, storage, and disposal facility. As a result, no process wastewater (except for the tertiary-treatment system filter backwash) would be discharged from the project.
- The project would use a small amount of the local municipal drinking water supply for plant personnel potable water uses.

If approved, construction of the project would begin in the spring of 2011 and would last for 30 months. Pre-operational testing of the power plant would begin in the fall of 2012 with full-scale commercial operation commencing by spring 2013.

Energy Commission's Facility Certification Process

The Energy Commission is responsible for reviewing and ultimately approving or denying applications for all thermal electric power plants in California that are, 50 MW and greater, proposed for construction. 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.

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. Staff has now begun the discovery phase of the project, in which a detailed examination of the issues will occur.

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 meetings. If you are not currently

February 4, 2009

Page 3

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 AEsau@energy.state.ca.us.

If you desire information about participating in the Energy Commission's review of the proposed project, please contact Elena Miller, 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. 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.

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 CPV VACA STATION
BY THE CPV VACAVILLE, L.L.C.**

Docket No. 08-AFC-11

PROOF OF SERVICE

(Established 1/28/2009)

INSTRUCTIONS: All parties shall either (1) send an original signed document plus 12 copies or (2) mail one original signed copy AND e-mail the document to the address for the Docket as shown below, AND (3) all parties shall also send a printed or electronic copy of the document, which includes a proof of service declaration to each of the individuals on the proof of service list shown below:

CALIFORNIA ENERGY COMMISSION
Attn: Docket No. 08-AFC-11
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.state.ca.us

APPLICANT

Andrew Welch - Vice President
Competitive Power Ventures, Inc.
8403 Colesville Road, Suite 915
Silver Spring, MD 20910
awelch@cpv.com

Douglas M. Davy - Program Manager
CH2MHill
2485 Natomas Park Drive, Suite 600
Sacramento, CA 95833
ddavy@ch2m.com

COUNSEL FOR APPLICANT

Michael J. Carroll
LATHAM & WATKINS LLP
650 Town Center Drive, 20th Floor
Costa Mesa, CA 92626-1925
michael.carroll@lw.com

INTERESTED AGENCIES

California ISO
e-recipient@caiso.com

INTERVENORS

ENERGY COMMISSION

JEFFREY D. BYRON
Commissioner and Presiding Member
jbyron@energy.state.ca.us

ARTHUR H. ROSENFELD
Commissioner and Associate Member
arosenfe@energy.state.ca.us

Raoul Renaud
Hearing Officer
rrenaud@energy.state.ca.us

Rod Jones
Project Manager
rjones@energy.state.ca.us

Deborah Dyer
Staff Counsel
ddyer@energy.state.ca.us

Melanie Moultry
Staff Counsel
mmoultry@energy.state.ca.us

Loreen McMahon
Public Adviser
publicadviser@energy.state.ca.us

DECLARATION OF SERVICE

I, April Albright, declare that on February 4, 2009 I deposited copies of the attached Notice of Receipt Supplemental Information for the Application for Certification CPV Vaca Station Project (08-AFC-11), Document Handling for the CPV Vaca Station Project Application for Certification (08-AFC-11) – Supplemental Information, and Request for Agency Participation the Review of the CPV Vaca Station Project (08-AFC-11) – Supplemental Information in the United States mail at Sacramento, CA with first-class postage thereon fully prepaid and addressed and was distributed electronically to those identified on the Proof of Service list above.

AND

Transmission via electronic mail was consistent with the requirements of California Code of Regulations, title 20, sections 1209, 1209.5, and 1210. All electronic copies were sent to all those identified on the Proof of Service list above.

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

Original signed by _____
April Albright

Attachments