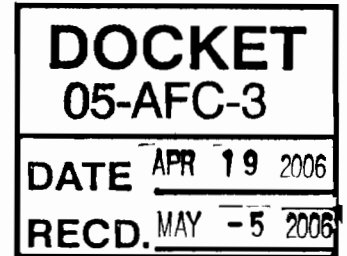


**From:** Sudath Arachchige  
**To:** Robert Worl  
**Date:** 4/19/2006 9:41:47 AM  
**Subject:** Fwd: FW: EME Sun Valley Generation Facility SIS Review

>>> "Milner, David" <DMilner@caiso.com> 04/19/06 7:54 AM >>>  
 CAISO review of the EME Sun Valley Generation Facility.

David Milner



> -----Original Message-----

> From: Milner, David  
 > Sent: Wednesday, April 19, 2006 7:51 AM  
 > To: Meng, Shen (E-mail); Kondo, Teri  
 > Cc: Jordan, Donna; Le, David; Nickel, Judy; Brown, Gary; 'sarachch@energy.ca.gov'  
 > Subject: EME Sun Valley Generation Facility SIS Review

>

> All,

>

> The CAISO has reviewed the System Impact Study for the EME Sun Valley Generation Facility. All questions/concerns have been addressed by the SCE engineer. The CAISO has a comment regarding the proposed SPS to mitigate for a post-transient voltage instability problem triggered by the EME Sun Valley Generation Facility Project.

>

> Post-transient power flow analysis, with all applicable projects in the CAISO and SCE WDAT Generation Interconnection Queue modeled in the off-peak study basecases, demonstrates that the addition of the EME Sun Valley Generation Facility causes voltage instability in the west of San Bernardino area for the outage of the Serrano - Valley 500 kV circuit. As a result, SCE is proposing an SPS to trip off-line the entire EME Sun Valley Generating Facility (500 MW).

>

> Due to severe consequences of voltage instability in the event that the SPS failed to operate correctly, the CAISO requires that full redundancy be required, and the proposed SPS is granted approval per the WECC RAS Task Force. Furthermore, CAISO Planning Standards state SPS's should be simple and manageable by limiting the monitoring to no more than 4 system elements. The proposed SPS for the EME Sun Valley Generating Facility will monitor system conditions at the following 5 substations: Serrano, Valley, San Bernardino, Vista, and Etiwanda.

>

> The CAISO approves this mitigation alternative, but the CAISO requests assurance that full redundancy will be implemented in the design and in the operation of this SPS. Therefore, please include in the Facilities Study Report additional details regarding the design of this SPS, such as proof of full redundancy and the actual system elements being monitored within the substations.

>

> Thank you and have a great day.

>

>

> David R. Milner  
 > Cal-ISO Regional Transmission - North  
 > Office: (916) 608-7376  
 > Cell: (916) 847-9728  
 > Pager: (916) 556-3607  
 > Fax: (916) 351-2264

>

>

PROOF OF SERVICE (REVISED 3/3/06) FILED WITH  
 ORIGINAL MAILED FROM SACRAMENTO ON 5/5/06  
 ARH

BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION  
OF THE STATE OF CALIFORNIA

APPLICATION FOR CERTIFICATION  
FOR THE SUN VALLEY ENERGY  
PROJECT (SVEP)

DOCKET No. 05-AFC-3

(Revised 3/3/2006)

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1516 Ninth Street  
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E-mail: [docket@energy.state.ca.us](mailto:docket@energy.state.ca.us)

\* \* \* \*

*In addition to the documents sent to the Commission Docket Unit, also send individual copies of any documents to:*

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**INTERESTED AGENCIES**

None listed as of 3/3/2006

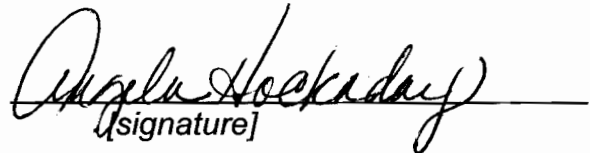
**INTERVENORS**

California Unions for Reliable Energy  
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Gloria D. Smith  
Adams Broadwell Joseph & Cardozo  
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South San Francisco, California 94080

**DECLARATION OF SERVICE**

I, **Angela Hockaday** declare that on **May 5, 2006** I deposited copies of the attached **David Milner, CAISO, Cal-ISO Review of EME for the Sun Valley project**, in the United States mail at **Sacramento, CA** with first class postage thereon fully prepaid and addressed to those identified on the Proof of Service list above. Transmission via electronic mail was consistent with the requirements of California Code of Regulations, title 20, sections 1209, 1209.5, and 1210.

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

  
(signature)

\* \* \* \*

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