

DOCKET

09-AFC-8

DATE JUL 09 2010

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Genesis Solar, LLC's
Rebuttal Testimony:
Transmission System Engineering
Genesis Solar Energy Project (09-AFC-8)
July 9, 2010



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July 9, 2010

California Energy Commission
Dockets Unit
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: **GENESIS SOLAR, LLC'S REBUTTAL TESTIMONY:
TRANSMISSION SYSTEM ENGINEERING
GENESIS SOLAR ENERGY PROJECT
DOCKET NO. (09-AFC-8)**

Enclosed for filing with the California Energy Commission is the original of **GENESIS SOLAR, LLC'S REBUTTAL TESTIMONY: TRANSMISSION SYSTEM ENGINEERING** for the Genesis Solar Energy Project (09-AFC-8).

Sincerely,

A handwritten signature in blue ink that reads "Marie Mills".

Marie Mills

STATE OF CALIFORNIA

Energy Resources
Conservation and Development Commission

In the Matter of:

Application For Certification for the
GENESIS SOLAR ENERGY PROJECT

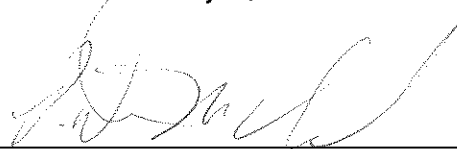
DOCKET NO. 09-AFC-08

DECLARATION OF
P. Duane McCloud

I, P. Duane McCloud, declare as follows:

1. I am presently employed by NextEra Energy Resources, LLC., as a Lead Professional for Construction and Engineering.
2. A copy of my professional qualifications and experience was included in my opening testimony.
3. I prepared the attached Rebuttal testimony relating to the Transmission System Engineering for the Genesis Solar Energy Project (California Energy Commission Docket Number 09-AFC-08).
4. It is my professional opinion that the attached prepared Rebuttal testimony is valid and accurate with respect to issues that it addresses.
5. I am personally familiar with the facts and conclusions related in the attached prepared Rebuttal testimony and if called as a witness could testify competently thereto.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct to the best of my knowledge and that this declaration was executed at Juno Beach, Florida on July 9, 2010.



P. Duane McCloud

STATE OF CALIFORNIA
Energy Resources
Conservation and Development Commission

In the Matter of:

Application For Certification for the
GENESIS SOLAR ENERGY PROJECT

DOCKET NO. 09-AFC-08

DECLARATION OF
Kenneth Stein

I, Kenneth Stein, declare as follows:

1. I am presently employed by NextEra Energy Resources, LLC, as an Environmental and Permitting Manager.
2. A copy of my professional qualifications and experience was included in my opening testimony.
3. I prepared the attached Rebuttal testimony relating to Transmission Systems Engineering for the Genesis Solar Energy Project (California Energy Commission Docket Number 09-AFC-08).
4. It is my professional opinion that the attached prepared Rebuttal testimony is valid and accurate with respect to issues that it addresses.
5. I am personally familiar with the facts and conclusions related in the attached prepared Rebuttal testimony and if called as a witness could testify competently thereto.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct to the best of my knowledge and that this declaration was executed in Ft. Lauderdale, FL on July 9, 2010.



Kenneth Stein

STATE OF CALIFORNIA

Energy Resources
Conservation and Development Commission

In the Matter of:

Application For Certification for the
GENESIS SOLAR ENERGY PROJECT

DOCKET NO. 09-AFC-08

**DECLARATION OF
Scott A Busa**

I, Scott A Busa, declare as follows:

1. I am presently employed by NextEra Energy Resources, LLC, as a Director of Business Development.
2. A copy of my professional qualifications and experience was included in my opening testimony.
3. I prepared the attached Rebuttal testimony relating to Transmission System Engineering for the Genesis Solar Energy Project (California Energy Commission Docket Number 09-AFC-08).
4. It is my professional opinion that the attached prepared Rebuttal testimony is valid and accurate with respect to issues that it addresses.
5. I am personally familiar with the facts and conclusions related in the attached prepared Rebuttal testimony and if called as a witness could testify competently thereto.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct to the best of my knowledge and that this declaration was executed at Juno Beach, FL on July 8, 2010.



Scott A Busa

**GENESIS SOLAR ENERGY PROJECT
TRANSMISSION SYSTEM ENGINEERING
REBUTTAL TESTIMONY**

I. Name: P. Duane McCloud, Kenneth Stein and Scott A. Busa

II. Purpose:

Our Rebuttal Testimony addresses the subject of the Transmission System Engineering associated with the construction and operation of the Genesis Solar Energy Project (09-AFC-08) and specifically the Staff Supplemental RSA entitled Appendix A to the Transmission System Engineering section of the RSA.

III. Qualifications:

P. Duane McCloud: I am presently employed at NextEra Energy Resources, LLC., and have been for the past 12 years and am presently a Lead Professional with that organization. I have a B.S. Degree in Chemical Engineering and I have over 28 years of experience in the field of power generation and transmission systems. I have reviewed the Revised Staff Assessment Supplement as it relates to Transmission System Engineering and present the testimony below. A detailed description of my qualifications is contained in the resume attached to my Opening testimony.

Scott A. Busa: I am presently employed at NextEra Energy Resources, and have been for the past 21 years and am presently a Director with that organization. I have over 23 years of experience development, construction, and operation of Electrical Utilities and Power Generation. I have reviewed the Revised Staff Assessment Supplement as it relates to Transmission System Engineering and present the testimony below. A detailed description of my qualifications is contained in the resume attached to my Opening testimony.

Kenneth Stein: I am presently employed at NextEra Energy Resources, and have been for the past 6 years and am presently an Environmental and Permitting Manager with that organization. I have a B.S Degree in Environmental Science and a Law Degree with a focus in Environmental Law and I have over 20 years of experience in the field of Environmental Permitting. I have reviewed the Revised Staff Assessment Supplement as it relates to Transmission System Engineering and present the testimony below. A detailed description of my qualifications is contained in the resume attached to my Opening testimony.

To the best of our knowledge all referenced documents and all of the facts contained in this testimony are true and correct. To the extent this testimony contains opinions, such opinions are our own. We make these statements and provide these opinions freely and under oath for the purpose of constituting sworn testimony in this proceeding.

IV. Opinion and Conclusions

We have reviewed the Transmission System Engineering section of the Revised Staff Assessment Supplement (RSA-Supp) and present this rebuttal in order to clarify errors made in Appendix A to the Transmission System Engineering section of the RSA-Supp, as follows:

Appendix A of the RSA-Supp contains errors that incorrectly describe certain activities associated with the Colorado River Sub-Station (CRSS) expansion and fail to acknowledge certain environmental surveys and analyses that have been performed. It is in this respect that we request the Committee to incorporate into their PMPD the description of activities and other information associated with the CRSS expansion that is contained within Applicant's Exhibit 62 (Supplemental Information for the Genesis Solar Energy Project, docketed June 18, 2010). The relevant sections of Exhibit 62 which address the CRSS expansion are 3.0 (primary and redundant telecommunication lines), 5.0 (CRSS expansion) and Appendix A (detailed description of redundant telecommunication line). Examples of information contained in Appendix A of the RSA-Supp that would be corrected by using the more current information in Exhibit 62 include:

- Description of redundant telecommunication line.
- Biological Resources: The RSA-Supp states that biological surveys were not conducted for the CRSS area, however, full protocol-level surveys were conducted in the Spring of 2010 and the results are documented in Exhibit 62.
- Cultural Resources: The RSA-Supp states that site-specific information was not available for the CRSS area, however, Class III pedestrian surveys were conducted by an SCE contractor in the Spring of 2010 and the results are documented in Exhibit 62.



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
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**APPLICATION FOR CERTIFICATION FOR THE
GENESIS SOLAR ENERGY PROJECT**

Docket No. 09-AFC-8

**PROOF OF SERVICE
(Revised 6/7/10)**

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DECLARATION OF SERVICE

I, Marie Mills, declare that on July 9, 2010, I served and filed copies of the attached **GENESIS SOLAR, LLC'S REBUTTAL TESTIMONY: TRANSMISSION SYSTEM ENGINEERING**, dated **July 9, 2010**. 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: [http://www.energy.ca.gov/sitingcases/genesis_solar].

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;
☒ by delivering on this date, for mailing with the United States Postal Service with first-class postage thereon fully prepaid, to the name and address of the person served, for mailing that same day in the ordinary course of business; that the envelope was sealed and placed for collection and mailing on that date 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. 09-AFC-8
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512

docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.



Marie Mills