

CALIFORNIA ENERGY COMMISSION
REPORT OF CONVERSATION Page 1 of 1



**Energy Facilities Siting and
Environmental Protection
Division**

FILE: 09-AFC-08

PROJECT TITLE: Genesis Solar Energy Project

<input checked="" type="checkbox"/> Email	mdaly@psomas.com	<input type="checkbox"/> Meeting Location:	
NAME: Mike Daly, PE Genesis Water Analyst Senior Project Manager, PSOMAS		DATE: 12-22-09	TIME: 9:06 a.m.
		DOCKET	
WITH: Mike Monasmith, Genesis Project Manager		09-AFC-8	
SUBJECT: Genesis Surface Drainage Data Requests		DATE 12/22/09	
		RECD. 12/23/09	

As a follow-up to the Data Request Workshop meeting on December 18, 2009, I am providing a list of outstanding data request items related specifically to surface drainage. The information provided in the applicant's response to Data Request Set 1A has not adequately addressed the items discussed below. I believe these items represent some of the basic data required to make a reasonable assessment of the impacts and feasibility of the proposed project as related to surface drainage issues. The applicant has indicated that all of the information discussed below will be provided by January 15, 2010. This commitment seems optimistic based on what appears to be a lack of quality topographic information as well as an extensive remaining work effort to produce the required data. Without this data, staff will not be able to draw conclusions about the potential for impacts.

1) FLO-2D ANALYSIS (Items 179, 180 & 181)

Per Bob Anders (Worley Parsons), the FLO-2D analysis submitted as part of the Data Request Set 1A response was being modified to utilize better offsite topography. Per Appendix WR-DR179, the model as submitted apparently rounded all grid elevations to the nearest meter, creating a stepped topography which provided no valid model results.

The revised analysis must use elevation data of acceptable quality and accuracy both onsite and offsite which reasonably match where the two data sets meet. Detailed information should be provided by the applicant as soon as possible for both the onsite and offsite elevation data that will be used in the revised FLO-2D model. This information should include data coordinate system, vertical datum and specifics regarding the accuracy of the data.

The FLO-2D analysis as submitted utilizes a 200' grid size. Although this sizing may be adequate for establishing geometry for discreet channels segments based on inflow, a smaller grid sizing will be required for the comparison of existing versus proposed conditions at the upstream and downstream project boundaries. The nature of flow patterns as the leave the downstream side of the property may have a significant impact on the downstream natural resources, and as such, must be adequately characterized. This may require the use of several models each covering a discreet area. The grid sizing for the detailed model should be in the range of 30 to 50 feet.

2) GRADING PLANS AND CROSS-SECTIONS (Items 193 & 196)

As agreed upon with Worley Parsons, these plans would be provided at a scale of no less than 1"=200', and will show the alignment and geometry of the proposed channels as well as a clearly delineated cut/fill line where the grading for the channel will match existing grade. It was also agreed that channel cross-sections would be provided at a minimum 200' interval along all major collector and conveyance channels. These sections will show existing grade, the proposed engineered channel section, and how the channel will tie into existing grade and finished grade at the site. The channel plan view and cross-sections must be based on the same stationing. Typical sections should be provided for all discreet channel segments showing the proposed channel dimensions, erosion protection measures, 100-year water surface elevation, and other relevant information such as adjacent roads, fences, wildlife barriers etc. All typical sections should be referenced to the channel stationing as established for the plan view and detailed cross-sections.

3) CHANNEL PROFILES (Item 197)

As previously agreed to with Worley Parsons, the channel profiles will be provided at a scale of no less than 1"=200' and will contain the information as requested in Item 197 of Data Request Set 1A. This information includes channel flowline, slopes, grade breaks, left and right top of bank elevations, and 100-year flow depth. The profiles should be based on the same stationing as established for the channel plans views and detailed sections.

cc: Paul Marshall, CEC Siting Division Caryn Holmes and Robin Mayer, Staff Counsel Eileen Allen, Office Manager	Prepared by: Mike Monasmith
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BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
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**APPLICATION FOR CERTIFICATION FOR THE
GENESIS SOLAR ENERGY PROJECT**

Docket No. 09-AFC-8

PROOF OF SERVICE
(Revised 12/22/09)

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DECLARATION OF SERVICE

I, Maria Santourdjian, declare that on December 23, 2009, I served and filed copies of the attached Report of Conversation Regarding Genesis Surface Drainage Data Requests, dated December 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: [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:

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

 x by personal delivery or by depositing in the United States mail at Sacramento, California, 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:

 x 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.

Original Signature in Dockets
Maria Santourdjian