

Southern California Edison
Presidential Substation Project A.08-12-023

DATA REQUEST SET Presidential ED-03 (Part 3)

To: CPUC
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Title: Engineer
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Question 15:

Project Description

Provide an updated graphic of the proposed drainage plan. Provide a description of how the plan would be constructed (i.e., installation of culvert to connect to existing storm drain, use of pre-cast or pour in place concrete swales). Explain if and how surrounding hillside run off would be routed differently than substation stormwater run off. Confirm that all drainage (substation site and surrounding hillside) would be routed through the existing 36 inch CSP Culvert under Olsen Road (PEA lists two options). Would the entrances to the drain and culvert be screened? Update construction equipment table/personnel and required staff as necessary. When in the sequencing of work would the drainage plan be implemented?

Response to Question 15:

An updated graphic of the proposed drainage plan is attached.

To construct the substation in accordance with the plan, SCE would need to grade a temporary access ramp from Olsen Road, clean out vegetation and create a stable and stepped level along the valley slopes, fill the valley with import soils and compact soils to the level of the new substation pad. The new culvert would be connected to the existing storm drain by the construction of a concrete box. All concrete swales would be pour-in-place concrete.

The hillside runoff would be routed to new pour-in-place concrete swales and into a new concrete storm drain. Some runoff would be routed to a dirt infiltration swale and then into a catch basin.

The substation runoff would be routed to opening in the north wall. The runoff would then be routed to the concrete swales and into the catch basin above the existing 36-inch CSP.

Both the hillside and substation runoffs would come together at the catch basin.

All drainage would be routed to the concrete swales, storm drain pipe and then to the existing 36-inch CSP culvert under Olsen Road.

Entrances to the drain and culvert would be screened.

The drainage plan would be implemented during the sequencing of work after the clearing of all existing vegetation and the stabilizing of the existing slopes and the grading operations. Grading operations would include the construction of the storm drain connection to the existing CSP and at the same time the filling of the valley to the level of the substation.

With respect to the request to "update construction equipment table/personnel/emissions and required staff as necessary", please note that SCE will be submitting a revised PEA Table 3.3 - Construction Equipment Use Estimations to the CPUC in mid-July 2009, which will reflect the construction and personnel information requested in this question and other similar data request questions asking for updated equipment, personnel and construction information.

Please note, however, that with respect to emissions, the Ventura County Air Quality Assessment Guidelines considers construction-related ozone precursors (reactive organic carbon and NOx) emissions as temporary, and they are not counted towards the significance thresholds. Likewise, the Ventura County Air Pollution Control District (VCAPCD) recommends minimizing fugitive dust during construction rather than quantifying particulate emissions. Therefore, SCE would implement the VCAPCD-recommended fugitive dust control and ozone precursor control measures as part of its Proposed Project (please see Chapter 3, Project Description for more information). These measures are listed in SCE's PEA in Table 4.3-2, VCAPCD Fugitive Dust and Ozone Precursor Control Measures.