

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA
Prepared by: Stephen Presant
Title: Field Engineer
Dated: 04/06/2010

Question 01:

Circuit Breakers – Provide information on whether or not circuit breakers to be installed at the proposed substation would use SF₆.

Response to Question 01:

SCE plans to install seven circuit breakers for the 66 kV system at the proposed Mascot Substation and these breakers will use SF₆ gas. The low side (12 kV) will use vacuum breakers which do not contain SF₆. SCE has not commenced final engineering and as such we do not know which type of circuit breakers will be used for the 66 kV system. Given that we have not yet developed the material specifications, we are providing the following volume and leakage rate information based on the highest SF₆ gas requirements. The seven circuit breakers described above would use a maximum 64 lbs of SF₆ gas per breaker. The SF₆ leakage rate per breaker would not exceed 0.5% per year.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA
Prepared by: Natasha Tabares
Title:
Dated: 04/06/2010

Question 02:

Provide any available information regarding the potential historical significance of the Goshen and Hanford Substations.

- Have the two substations been recorded on Department of Recreation (DPR) forms or by other means?
- Have the substations been evaluated for listing on the National Register of Historic Places, California Register of Historical Resources, or any local registers?
- Can SCE provide more information regarding the history of the substations or details on their construction?

Response to Question 02:

The Hanford and Goshen substations are historic-period facilities that meet the 50-year-old threshold to be considered a historic resource under CEQA, however they have never been formally recorded in DPR forms. These substations have never been recorded as historic resources and therefore have never been evaluated for listing in the NRHP, CRHR or other register. The Liberty substation does not meet the 50-year-old threshold to be considered a historic resource under CEQA. SCE does not have additional information regarding the history of these substations beyond what was provided in the cultural resources technical report. For the cultural resources technical report, a records search was conducted. The records search indicated that several surveys have been conducted within one mile of the three substations and the following background information was included in the report:

- *Hanford substation:* This is a historic-period 66 kV substation located in Hanford, Kings County, California. The substation began service to the area on May 1, 1926 (SCE DTOM 2009).
- *Goshen Substation:* This is also a historic-period 66 kV substation located in Goshen, Tulare County, California. The substation started operations on May 1, 1926 (SCE DTOM 2009).
- *Liberty Substation:* This is a nonhistorical 66 kV substation located in Visalia, Tulare County, California. The substation began service to the area on June 1, 1968 (SCE DTOM 2009).

SCE does not currently have any additional construction information beyond what was provided in our PEA. SCE will look into gathering additional information and will provide any construction-related information when it is available.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA
Prepared by: Robert Benton
Title: Technical Specialist
Dated: 04/06/2010

Question 03:

Water Supply – Because no municipal water supply is available at the site, would all water be supplied using water trucks? Can we assume that there would be no landscaping installed in the reasonably foreseeable future? Would SCE drill any wells on the site?

Response to Question 03:

For the purposes of site grading it would be necessary for dust control water to be provided to the site using water trucks. Due to the lack of available water and the rural nature of the substation location SCE would not propose to include landscaping at the site for the foreseeable future. At this time SCE is not planning to drill a water well.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA
Prepared by: Robert Benton
Title: Technical Specialist
Dated: 04/06/2010

Question 04:

Transportation and Traffic – Would the substation be set back enough from Grangeville Boulevard to allow for future widening of Grangeville Blvd. Although a widening project is not in planning stages, both the County and City expressed interest in this potential project. If this request results in any design or project footprint changes, provide an updated drawing.

Response to Question 04:

Allowances for the potential widening of Grangeville Boulevard were taken into account in the positioning of the substation on the property; therefore no changes would be required to the planned substation location.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA

Prepared by: Alisa Krizek

Title: Environmental Coordinator

Dated: 04/06/2010

Question 05:

Hazards – The preliminary environmental site assessment focused on the proposed substation site and did not include an assessment of the proposed subtransmission line alignment. Provide a records search for the proposed subtransmission line alignment.

Response to Question 05:

The preliminary environmental site assessment conducted for the proposed project (Appendix F of the PEA) focused on the proposed substation site. The assessment, however, did include a one-mile radius that incorporated a portion of the proposed subtransmission line route. SCE requested a records search for the proposed subtransmission line route in order to capture the remaining portions not covered in Appendix F. SCE anticipates it will receive the records search information on May 7, 2010 and will deliver the results to the CPUC shortly thereafter.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA

Prepared by: Alisa Krizek

Title: Environmental Coordinator

Dated: 04/06/2010

Question 05_Supplemental:

Hazards – The preliminary environmental site assessment focused on the proposed substation site and did not include an assessment of the proposed subtransmission line alignment. Provide a records search for the proposed subtransmission line alignment.

Response to Question 05_Supplemental:

SCE indicated it would conduct a records search for the remaining portions of the proposed subtransmission line route not covered in Appendix F of SCE's PEA and provide the results to the CPUC. The records search has been completed and the report is attached. The records search report includes two recommendations for further investigation: 1) resolve an information conflict between the database search that identified the Hanford Sanitary Landfill and three other landfills, and the interview with local agency personnel that identified only one landfill; and 2) obtain additional historical aerial and topographic maps to fill a data gap from 1954 to 1989. As a result of these recommendations, SCE has requested further investigation to resolve the information conflict and data gap described above. SCE anticipates it will receive the additional information by May 24, 2010 and will deliver the results to the CPUC shortly thereafter.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA

Prepared by: Alisa Krizek

Title: Environmental Coordinator

Dated: 04/06/2010

Question 05_2nd Supplemental:

Hazards – The preliminary environmental site assessment focused on the proposed substation site and did not include an assessment of the proposed subtransmission line alignment. Provide a records search for the proposed subtransmission line alignment.

Response to Question 05_2nd Supplemental:

SCE indicated that it had requested further investigation to resolve the information conflict and data gap in the records search for the remaining portions of the proposed subtransmission line route. The investigation results are described below:

1) Resolve an information conflict between the database search that identified the Hanford Sanitary Landfill and three other landfills, and the interview with local agency personnel that identified only one landfill.

SCE conducted a site visit to resolve the information conflict regarding the number of landfills located at the southeast corner of Highway 43 and Hanford-Armona Road. There is only one landfill, Kings Waste & Recycling Facility, directly east of State Highway 43 between Hanford-Armona Road (to the north) and Houston Avenue (on the south). Six photos taken during the site visit are attached. Since the landfill is set back a far distance from these roads, the photos do not show much detail.

2) Obtain additional historical aerial and topographic maps to fill a data gap from 1954 to 1989.

SCE combined aerial photos and topographic maps obtained from EDR to provide the historical data for the 1960's and 1970's to fill the data gap identified in the previous study. The report is attached.

Southern California Edison
Mascot A.09-11-020

DATA REQUEST SET A0911020-ESA/CPUC-SCE-02

To: ESA
Prepared by: Kristin Kelly
Title: Project Manager
Dated: 04/06/2010

Question 06:

Access Roads/work areas – Describe the location of the proposed new access road and work areas in relation to encroachment or crossing of Settlers and Lakeside Ditches. Would SCE be avoiding encroachment on these structures during construction?

Response to Question 06:

SCE anticipates that the construction of any new access roads, the rehabilitation of any existing access roads, as well as all other previously described and proposed construction activities performed by SCE and/or its Contractor would not encroach upon the Settlers, Lakeside or other ditches located near the proposed project route. SCE would utilize the existing access roads located adjacent to the Settlers, Lakeside and other ditches to perform construction activities. Additionally, SCE would maintain a safe and proper clearance from these ditches in order to avoid any impact to the operations and structural integrity of the ditches.