

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



November 22, 2010

VIA MAIL AND EMAIL

Christine McLeod  
Project Manager - Regulatory Affairs  
Regulatory Policy & Affairs Dept.  
Southern California Edison  
2244 Walnut Grove Avenue, Quad 3D, 388L  
Rosemead, CA 91770

SUBJECT: Data Request #5 for Presidential Substation Project

Dear Ms. McLeod:

As the California Public Utilities Commission (CPUC) proceeds with our environmental review for Southern California Edison (SCE)'s Presidential Substation Project, we have identified additional information required for our analysis of the Proposed Project and alternatives. The primary purpose of this request is to gather the necessary information to prepare the alternatives analysis to the Proposed Project design. Please provide the information requested on the pages attached to this letter by December 9, 2010. Please submit your response in hardcopy and electronic format to me and also directly to our environmental consultant, ESA, at the mail and e-mail addresses noted below. If you have any questions please direct them to me as soon as possible.

Sincerely,

A handwritten signature in blue ink that reads "Juralynne Mosley".

Juralynne Mosley  
CPUC CEQA Project Manager  
Energy Division

Phone: (415) 703-2210  
[JBM@cpuc.ca.gov](mailto:JBM@cpuc.ca.gov)

ESA  
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1425 North McDowell Blvd.  
Suite 200  
Petaluma, CA 94954  
[mmanka@esassoc.com](mailto:mmanka@esassoc.com)

## Data Request #5 Presidential Substation Project

### Alternatives

1. Construction Methodology: Provide general construction methodologies required for undergrounding a single circuit 66 kV subtransmission line. Please provide the following information:
  - General trench construction methodology: depth and width, cut and fill balance, and construction duration (any temporary nighttime lighting?).
  - Trench location – in roadway or adjacent? *Along Read Road between Moorpark Road and Sunset Valley Road.*
  - General installation requirements – vaults, splicing, etc.
  - General tree removal requirements (what are the requirements that trigger tree removal?)
  - If constructed, would telecommunications lines be installed underground with subtransmission or overhead with 16 kV?
  - Describe any preliminarily known feasibility constraints.
  
2. Construction Methodology: Provide general construction methodologies required for undergrounding a double circuit 66 kV subtransmission line. Please provide the following information:
  - General trench construction methodology: depth and width, cut and fill balance, and construction duration (any temporary nighttime lighting?)
  - Trench location – in roadway or adjacent? *Along Read Road between Sunset Valley Road and SR 23.*
  - General installation requirements – vaults, splicing, etc.
  - General Tree removal requirements (what are the requirements that trigger tree removal?)
  - Describe the required separation distance between the two circuits (vertically or horizontally), or would two separate trenches be required.
  - If constructed, would telecommunication lines be installed underground with the subtransmission or overhead with 16 kV?
  - Describe any preliminarily known feasibility constraints.
  
3. Along Read Road from Moorpark Road to West of SR 23, if the 66 kV circuits were installed underground and the 16 kV line was left overhead what changes to the 16 kV line would be required such as:
  - Pole replacement?
  - Pole height?
  - Pole type (single versus double circuit, lightweight, tubular steel, dead-end, etc.)?
  - Or – would the existing poles and lines be left in place?
  - Would the telecommunication lines be underground with the 66 kV, or overhead with the 16 kV?
  - Describe any differences between the single circuit 66 kV portion and the double circuit 66 kV portion as they relate to the overhead 16 kV distribution described above.
  
4. In general, describe the requirements/feasibility for undergrounding both the 66 kV and 16kV underground
  - Trench depth and width

- What is the separation distance required between the two and would it require two separate trenches or just one.
- Trenching methodology
- General installation requirements
- Tree removal requirements (what are the requirements that trigger tree removal?)
- Would the telecommunication lines be located underground with the subtransmission and distribution lines? If not describe the facilities necessary for installing the telecommunications lines.
- Describe any preliminarily known feasibility constraints.

5. Provide construction duration and equipment use information for the scenarios described in the table below.

**Construction Equipment Use - Undergrounding**

Activity and Number of Personnel	Number of Work Days	Equipment and Quantity	Duration of Use (Hours/Day)
Proposed Project Distribution (16 kV) Underground Along Portions of Subtransmission Route (Includes both East and West of Hwy 23). This information was provided in Data Response #4.			
Civil (13 people)	62	2- Backhoes 4- Dump Trucks 1- Roller 1- Grinder 1- Delivery Truck (vault & pull box) 4- Cement Trucks	8 8 8 8 8 8
Electrical (14 people)	43	1- Rodder Truck 1- Cable Dolly 2- Companion Vehicle 1- Splice Truck 1- Double Bucket Truck 1- Troubleman Truck	8 8 2 8 8 8
Electrical (3 people)	2	1-Line Truck 1-Companion Vehicle	8 2
Proposed Project Distribution (16 kV) Underground Along Portions of Subtransmission Route (Only East of Hwy 23).			
Civil (13 people)		2- Backhoes 4- Dump Trucks 1- Roller 1- Grinder 1- Delivery Truck (vault & pull box) 4- Cement Trucks	
Electrical (14 people)		1- Rodder Truck 1- Cable Dolly 2- Companion Vehicle 1- Splice Truck	

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		1- Double Bucket Truck 1- Troubleman Truck	
<u>Electrical</u> (3 people)		1-Line Truck 1-Companion Vehicle	
Alternative – Subtransmission Underground along Read Road from Sunset Valley Rd. to west of SR 23) – leaving the Distribution (16 kV) overhead. – Double Circuit.			
<u>Civil</u>			
<u>Electrical</u>			
<u>Electrical</u>			
Alternative – Subtransmission Undergrounding along Read Road from Moorpark Road to west of SR 23 – leaving the Distribution (16 kV) overhead. – Single circuit from Moorpark Rd to Sunset Valley Rd, Double circuit from Sunset Valley Rd to west of SR 23.			
<u>Civil</u>			
<u>Electrical</u>			
<u>Electrical</u>			
Alternative – Subtransmission, Distribution and telecommunications collocation Underground (both the 66 kV and 16 kV) along Read Road from Sunset Valley Road to west of SR 23 – no overhead. - Double Circuit.			
<u>Civil</u>			
<u>Electrical</u>			
<u>Electrical</u>			
Alternative – Subtransmission, Distribution and telecommunications collocation Underground (both the 66 kV and 16 kV) along Read Road from Moorpark Road to west of SR 23 – no overhead. Single circuit from Moorpark Rd to Sunset Valley Rd, Double circuit from Sunset Valley Rd to west of SR 23.			
<u>Civil</u>			
<u>Electrical</u>			
<u>Electrical</u>			