

Docket Number 06-SPPE-2  
First Round Data Requests  
El Centro Unit 3 Repower Project  
July 2006

**DATA REQUEST #20**  
**TRANSMISSION SYSTEM ENGINEERING**

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**BACKGROUND**

The SPPE's short circuit study states,

"...92 kV circuit breakers with a 63kA interrupting rating should be used for the ECGS Unit #3 interconnection. Future system expansion plans will result in a further increase of the short circuit duty."

Staff is concerned that breaker ratings may or may not be adequate for symmetrical faults (three-phase faults) depending on the aging and present condition of the existing breakers, and for asymmetrical faults (line-to-ground faults) existing breaker ratings (40,000 Amps) may not meet industry standards or American National Standards. Staff is also not confident that the System Impact Study included a complete transient stability study and post-transient voltage analysis.

**DATA REQUEST**

20. The study states, "As the minimal changes in tie-line flow indicate, the impact on neighboring utilities was minimal with the addition of the project." Please describe any efforts to coordinate the study or to discuss the study results with any of the neighboring utilities and whether or not these utilities have submitted any comments on the study.

**DATA RESPONSE**

The Niland and El Centro System Impact Studies were sent to IID's neighboring utilities on March 14, 2006 for review and comment, including:

- Southern California Edison (SCE)
- Western Area Power Administration (Western)
- Arizona Public Service (APS)
- San Diego Gas & Electric (SDG&E)

IID had requested that comments and/or responses be received within 30 days to allow adequate time to review and evaluate any potential concerns or impacts from the Niland and El Centro projects. As of April 24, 2006, IID had received the following comments from the majority of the neighboring utilities:

- Southern California Edison (SCE) – Written response with concurrence of negligible impact to SCE system received on April 14, 2006.
- Western Area Power Administration (Western) – Verbal response with concurrence of negligible impact to the Western system received on April 24, 2006.

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- Arizona Public Service (APS) – Verbal response with concurrence of negligible impact to the APS system received on April 24, 2006.
- San Diego Gas & Electric (SDG&E) – Verbal response with concurrence of negligible impact to San Diego received on July 6, 2006 (see Attachment K, e-mail from SDG&E).

**ATTACHMENT K  
TRANSMISSION SYSTEM ENGINEERING  
SAN DIEGO GAS & ELECTRIC E-MAIL**