

From: Elliott, Robert A.  
Sent: 5/18/2012 2:29:55 PM  
To: Hughes, John (Reg Rel) (/O=PG&E/OU=Corporate/cn=Recipients/cn=J8HS)  
Cc: Malashenko, Elizaveta I. (elizaveta.malashenko@cpuc.ca.gov); Dietrich, William (william.dietrich@cpuc.ca.gov)  
Bcc:  
Subject: FW: Static VAR Compensators

John:

Do you think we can get some information on your synchronous condenser replacement project? A reply from one of your engineers would be most welcome.

Regards,

Bob Elliott

**From:** Elliott, Robert A.  
**Sent:** Thursday, May 03, 2012 10:27 AM  
**To:** j8hs@pge.com  
**Cc:** Dietrich, William  
**Subject:** Static VAR Compensators

John:

Eleven or twelve years ago I attended a presentation at the (I believe) Newark Substation on the static VAR compensator that was being installed to replace (I seem to recall) three synchronous condensers that were being phased out. I've lost my notes on that presentation and I wonder if there is someone in your shop whose memory goes back that far. I'm just kidding: I was at the retirement lunch for an engineer by name of Jacobs who was leaving the company after 53 years. PG&E's president gave a nice little speech. Anyway, what I would like to know is what was the rating of the synchronous condensers, why they were being replaced and the general characteristics of the SVC that took their place: rating and configuration. As I recall, it consisted of a fixed capacitance in parallel with a variable inductance, but I may be mistaken.

Any help from a long time member of your planning department (I know Chifong Thomas has retired) would be most helpful.

Regards,

Bob Elliott