

PG&E's 2012 Request Window Proposals

Greater Fresno Area Upgrade Project

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Transmission Operations Project Development

PG&E

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Greater Fresno Area Upgrade Project

Background

- The Greater Fresno Area is served by 230 kV transmission lines from Bellota, Panoche and Gates Substations and by local area generation including the Helms Pumped Storage Project, hydro-generation, thermal generation, and renewable generation.

Assessment

- Overloads identified on the Warnerville-Wilson, Wilson-Borden, and Kearney-Herndon 230kV Lines under N-0, N-1, and N-1-1 conditions

Scope

- Establish a new 230 kV switching station near Raisin City Junction (RCJ) Switching Station and loop four existing 230 kV lines into the new RCJ Switching Station,
- Install two 230 kV lines from Los Banos, Panoche, or Gates substations to the new RCJ Switching Station,
- Install one 230 kV line from the new RCJ Switching Station to Herndon or Gregg Substations , and
- Install one 230 kV line from the new RCJ Switching Station to the proposed North Fresno Substation (submitted separately in the 2012 request window)

Additional Analysis & Considerations in Progress (expect December 2012 completion)

- Determination of the western terminations and eastern terminations for the proposed project
- Potential phasing of the project
- Alternatives to be considered: reconductoring of overloaded facilities to defer proposed project

In Service Date

- May 2020

Cost

- \$400M - \$500M (order of magnitude – direct costs only)

Thank You

