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**Subject:** Oakley Generating Station - Rapid Response Info  
**Date:** Thursday, December 03, 2009 3:10:39 PM  
**Attachments:** Slides from GE August 28 2007 Rapid Response Presentation.  
ppt

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Kathleen –

GE is working on setting up a WebEx presentation to cover Rapid Response and the 7FA improvements. Unfortunately, the presenter's schedules are such that we will not be able to include this discussion during our meeting on 12/9. We still intend to have the meeting on 12/9, but would like to schedule a separate date and time for the Rapid Response/7FA presentation. Available dates proposed by GE/Radback are 12/14, 12/16 (morning only), 12/17 or anytime week of 1/4. Please let us know if any of these dates work for you and your associates.

In the mean time, please find attached a few slides from an older GE Rapid Response presentation. These slides provide a high level picture of the objectives of Rapid Response along with several of the details. I'd like to point out several differences between the slides and our proposed design:

- The startup curves shown in the slides depict an HRSG purge sequence (~14 minutes) at the beginning of the start profile. For the OGS, the startup sequence will not include the HRSG purge sequence at the beginning of the startup cycle. Instead, the HRSG purge sequence will be included at the end of the shutdown cycle and the CT fuel train will include a block-and-bleed nitrogen system. While this modification does not really impact emissions, the net effect is faster starts, allowing electrical output to flow to the grid sooner than conventionally designed plants.
- The startup curves shown in the attached slides show sequential CT starts. The OGS will be configured to allow both sequential and simultaneous CT starts. While sequential starts are expected to be the norm, simultaneous starts will allow more output to flow to the grid sooner, thus providing greater dispatch flexibility

(which will become more and more important as the percentage of renewable energy generation in California grows).

- Any emissions values presented in the attached slides should be considered for illustration purposes only as they reflect the previous generation 7FA design.

Please call if you have questions regarding these slides, otherwise, you can wait to hear directly from the GE experts.

Thanks!

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