



**Pacific Gas and
Electric Company®**

James R. Becker
Site Vice President

Diablo Canyon Power Plant
Mail Code 104/5/601
P. O. Box 56
Avila Beach, CA 93424

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805.545.3462
Internal: 691.3462
Fax: 805.545.6445

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Diablo Canyon Units 1 and 2
Docket No. 50-275, OL-DPR-80
Docket No. 50-323, OL-DPR-82
Support for NRC Review of CS Innovations Advanced Logic System and Lockheed
Martin Deterministic Star Safety System Topical Reports

Dear Commissioners and Staff:

Pacific Gas and Electric Company (PG&E) is currently planning the replacement of the Diablo Canyon Power Plant Eagle 21™ reactor trip system (RTS) and engineered safety features actuation system (ESFAS) in 2014 for Units 1 and 2. PG&E plans to submit a license amendment request (LAR) for the new RTS and ESFAS architecture in May 2011. In order to support diversity aspects for the new RTS and ESFAS architecture, PG&E currently intends to use a Field Programmable Gate Array (FPGA) based platform for a portion of the new architecture. There are two topical reports for FPGA based platforms that are expected to be submitted to the NRC for approval in the near future; a topical report for the CS Innovations Advanced Logic System and a topical report for the Lockheed Martin Deterministic Star Safety System. For the LAR in regards to the new RTS and ESFAS architecture, PG&E plans to reference a previously approved topical report for either the Advanced Logic System or the Deterministic Star Safety System. Therefore, PG&E requests the NRC consider the planned PG&E use of an NRC approved topical report for either the CS Innovations Advanced Logic System or the Lockheed Martin Deterministic Star Safety System in the determination of priority for NRC review for these topical reports.

This communication contains no new or revised commitments. If you have any questions or require additional information, please contact Larry Parker at (805) 545-3386.

Sincerely,



James R. Becker

TBID
NRR



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cc: Gordon Clepton, Senior Project Manager, Nuclear Energy Institute
Elmo E. Collins, NRC Region IV
Bill Kemper, NRC, Chief, Instrumentation and Controls Engineering Branch
Michael S. Peck, NRC, Senior Resident Inspector
Alan B. Wang, Project Manager, Office of Nuclear Reactor Regulation
Diablo Distribution