



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BLVD
ARLINGTON, TEXAS 76011-4511

December 23, 2013

Mr. Edward D. Halpin
Senior Vice President and
Chief Nuclear Officer
Pacific Gas and Electric Company
Diablo Canyon Power Plant
P.O. Box 56, Mail Code 104/6
Avila Beach, CA 93424

Subject: SUMMARY OF ANNUAL ASSESSMENT MEETING WITH PACIFIC GAS AND
ELECTRIC REGARDING DIABLO CANYON NUCLEAR POWER PLANT 2012
PERFORMANCE

Dear Mr. Halpin:

This refers to the public Annual Assessment meeting conducted at the Embassy Suites, San Luis Obispo, California on December 18, 2013, between the NRC and your staff. The participants discussed the NRC's assessment of the licensee's performance during 2012 at Diablo Canyon Nuclear Power Plant. Additionally, due to delays associated with scheduling this meeting earlier in the year, the NRC staff's discussion points during the meeting included our assessment of Diablo Canyon's performance through the middle of 2013. A list of the attendees at the meeting, a copy of the NRC presentation, and a copy of the Pacific Gas & Electric (PG&E) presentation are included as Enclosures 1, 2, and 3, respectively.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Walker", followed by the word "for" in a smaller, cursive script.

Wayne C. Walker
Chief, Projects Branch A
Division of Reactor Projects

Docket: 50-275; 50-323
License: DPR-80; DPR-82

Enclosures:

1. List of Attendees at the Meeting
2. NRC Presentation Slides
3. PG&E Presentation Slides

PUBLIC MEETING ATTENDANCE LIST

LICENSEE/FACILITY	Pacific Gas & Electric / Diablo Canyon Power Plant
DATE/TIME	December 18, 2013 / 6:30 p.m. (PST)
LOCATION	Embassy Suites, San Luis Obispo, CA
NAME (PLEASE PRINT)	ORGANIZATION
SCOTT STERN	PG&E
Milton Davis	Self
DAVID SNEED	THE TRIB
DeAnn Oliver	Self
JAN NIMICK	PG & E
Jane Swanson	SLO Mothers For Peace
CHRISTINE HUNTER	Self
FRANCOISE NIGRO	SELF
Brian Bullock	Santa Maria Times
Chuck Mackey	PG&E
Sherry Lewis	Mothers For Peace
DAVID BOORDE	PG & E
Derek Schmidt	PG & E
Patrick McElroy	Self
Dean Overland	Self

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DATE/TIME	December 18, 2013 / 6:30 p.m. (PST)
LOCATION	Embassy Suites, San Luis Obispo, CA
NAME (PLEASE PRINT)	ORGANIZATION
Ed Halpern	PG&E
MIKE HARTUJENS	IBEW LOCAL UNION 1245
Jacquie Hinds	PG&E
Simone Malboeff	Mothers For Peace
Carole Hissae	SLO Mothers for Peace
Alex Arsene	Self
Jessica L. Weems	Self
HEATHER LEWIS	Self
Elaine Kolder	^{SLO} Mothers for Peace
Cynthia Brown	M F P
James Simonson	Self
Vicki Bookless	
R. Simoney	Self
T. Gools	_____
Norm Abrahamson	PG&E

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DATE/TIME	December 18, 2013 / 6:30 p.m. (PST)
LOCATION	Embassy Suites, San Luis Obispo, CA
NAME (PLEASE PRINT)	ORGANIZATION
Joe Coyle	DCPP Reg. Services
Barbara Hernandez	SELF
Kelly Von Buren	SIO Co OES
Joe	MFP
Whitney Diaz	Verdin Marketing
Koretta Quinn	SELF
James Quinn	Self
Linde Owen	Self
Peter Yelda	SELF
Danielle Power	DCPP
Oscar Daza	DCPP
Ken Thompson	Avila Valley Advisory Council
Troy Pruett	NRC
Wayne Walker	NRC
Neil O'Keefe	NRC


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DATE/TIME	December 18, 2013 / 6:30 p.m. (PST)
LOCATION	Embassy Suites, San Luis Obispo, CA
NAME (PLEASE PRINT)	ORGANIZATION
Ashley Reilly	SLO County CBS
Ron Alsop	SLO County Office of Emergency Services
W Duane Waddell	
Joseph E. Anastasio	ESC IFPTE Local 80 Engineers + Scientists of CA
Don See	DCPP
MARK TAYLOR	IBEW REP
Tom Hipschman	NRC
John Reynoso	NRC
Christina Hale	NRC
Joe Sebrasty	NRC
Doug Broadbent	NRC
Ryan Alexander	NRC
Lara Uselding	NRC



**Diablo Canyon Power Plant
Performance Assessment
Public Meeting**

Nuclear Regulatory Commission - Region IV
San Luis Obispo, CA
December 18, 2013



Agenda

- **Introductions**
- **Overview of Inspection Process**
- **Discussion of Plant Performance**
- **DCPP Comments**
- **Closing Remarks**
- **Public Comments and Questions**


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NRC Staff

- **Troy Pruett,**
Deputy Director, Division of Reactor Projects, Region IV
- **Neil O'Keefe,**
Chief, Project Branch B, NRC Region IV
- **Wayne Walker,**
Chief, Project Branch A, NRC Region IV
- **Tom Hipschman,**
Senior Resident Inspector at Diablo Canyon

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NRC Staff

- **John Reynoso,** Resident Inspector
- **Christie Hale,** Reactor Inspector
- **Doug Broadbuss,** Nuclear Reactor Regulation
- **Joe Sebrosky,** Nuclear Reactor Regulation

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Diablo Canyon Staff

- **Ed Halpin**, Senior Vice President & Chief Nuclear Officer
- **Barry Allen**, Site Vice President
- **Jeff Summy**, Senior Director, Engineering and Projects
- **Lynn Walter**, Station Support Director
- **Jim Welsch**, Station Director

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Protecting People and the Environment




NRC Performance Goals

- **Safety:** Ensure adequate protection of public health and safety and the environment.
- **Security:** Ensure adequate protection in the secure use and management of radioactive materials.

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Protecting People and the Environment



Diablo Canyon Power Plant Performance

January 1, 2012 – June 30, 2013

- **All finding and performance indicators were GREEN**
- **Diablo Canyon Power Plant operated in a manner that preserved public health and safety**

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Protecting People and the Environment



Diablo Canyon Power Plant Inspection Activities

January 1, 2012 – June 30, 2013

- **Completed ~ 3860 hours of Inspection**
 - Resident Inspectors on site daily
 - Regional Team Inspections
 - Problem Identification and Resolution Team
 - Licensed Operator Requalification
 - Fire Protection Team
 - Radiation Protection
 - Security and Emergency Preparedness

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Protecting People and the Environment




Diablo Canyon Power Plant Performance Trends

- Recent Operating History
- Resolving licensing basis issues

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Powering People and the Environment



Post Fukushima Actions

- Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns
 - PG&E Results Reported on November 27, 2012 (ADAMS ML12333A145)
 - NRC inspection and review completed during 2nd quarter of 2013 (ML13043A160, ML13224A314)

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Powering People and the Environment



Post Fukushima Actions

- Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns
 - PG&E Results Reported on November 27, 2012 for accessible areas (ADAMS ML123330362, ML123330375)
 - Inaccessible areas were completed for Unit 2 in 2nd quarter 2013. Unit 1 inaccessible areas to be completed in the 2nd quarter of 2014
 - NRC inspection and review completed (ML13043A160, ML13224A314)

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Powering People and the Environment



Post Fukushima Actions (Pending)

- Orders:
 - Mitigation Strategies for Extreme External Events
 - Integrated Plan submitted
 - Full Implementation: Fall 2015/Spring 2016
 - Spent Fuel Pool Instrumentation
 - Integrated Plan submitted
 - Full Implementation: Fall 2015/Spring 2016

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Powering People and the Environment



Post Fukushima Actions (Pending)

- **Request for Information:**
 - Seismic and Flooding Hazard Reevaluations
 - *March 2015*
 - Emergency Preparedness Staffing and Communications
 - *Communication Assessment and Implementation Schedule submitted*
 - *Phase 1 Staffing Assessment submitted*

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Licensee Response and Remarks

Ed Halpin

Senior Vice President
and Chief Nuclear Officer
Diablo Canyon Power Plant

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NRC Closing Remarks

Troy Pruett

Deputy Director, DRP
NRC Region IV

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Protecting People and the Environment



Diablo Canyon Power Plant Performance Assessment Public Meeting

Nuclear Regulatory Commission - Region IV
San Luis Obispo, CA
December 18, 2013

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Protecting People and the Environment




Information Attachment Contents

- Public Meeting information
- NRC Contact Information
- Response to the Japan Nuclear Accident
- Social Media Channels
- Reference Sources

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Open to the Public

- The NRC places a high priority on keeping the public and stakeholders informed of its activities.
- At www.nrc.gov, you can:
 - Find public meeting dates and transcripts;
 - Read NRC testimony, speeches, press releases, and policy decisions; and
 - Access the agency's Electronic Reading Room to find NRC publications and documents.

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Protecting People and the Environment




Contacting the NRC

- Report an emergency
 - (301) 816-5100 (call collect)
- Report a safety concern
 - (800) 695-7403
 - Allegation@nrc.gov
- General information or questions
 - www.nrc.gov
 - Select "What We Do" for Public Affairs

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Actions in Response to the Japan Nuclear Accident

- NRC Actions in response to Japan Nuclear Accident Website: <http://www.nrc.gov/reactors/operating/ops-experience/japan-dashboard.html>
- Diablo Canyon-specific actions: <http://www.nrc.gov/reactors/operating/ops-experience/japan/plants/diab1.html>
- Mailbox for comments on staff actions: JLD_Public.Resource@nrc.gov
- Office of Public Affairs Point of Contact: OPA.resource@nrc.gov or 301-415-8200

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NRC Social Media Channels

STAY CONNECTED



- **Blog:** <http://public-blog.nrc-gateway.gov/>
- **Flickr:** <http://www.flickr.com/photos/nrcgov/>
- **Twitter:** <https://twitter.com/#!/nrcgov>
- **YouTube:** <http://www.youtube.com/user/NRCgov>
- **RSS:** <http://www.nrc.gov/public-involve/listserver.html#rss>

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Reference Sources

- **Reactor Oversight Process**
– <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>
- **Public Electronic Reading Room**
– <http://www.nrc.gov/reading-rm.html>
- **Public Document Room**
– 1-800-397-4209 (Toll Free)

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Diablo Canyon Power Plant

Ed Halpin

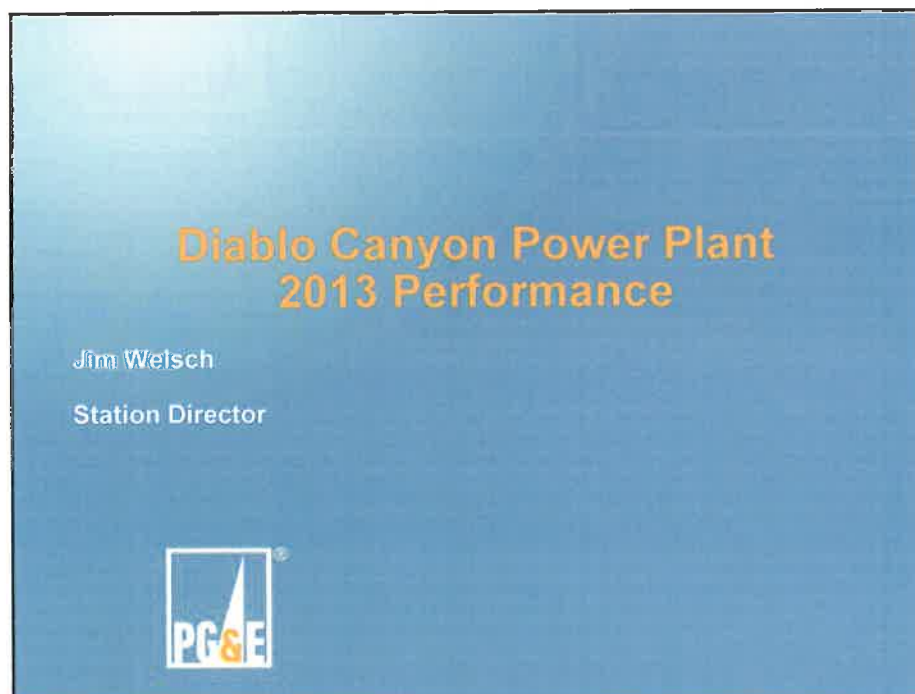
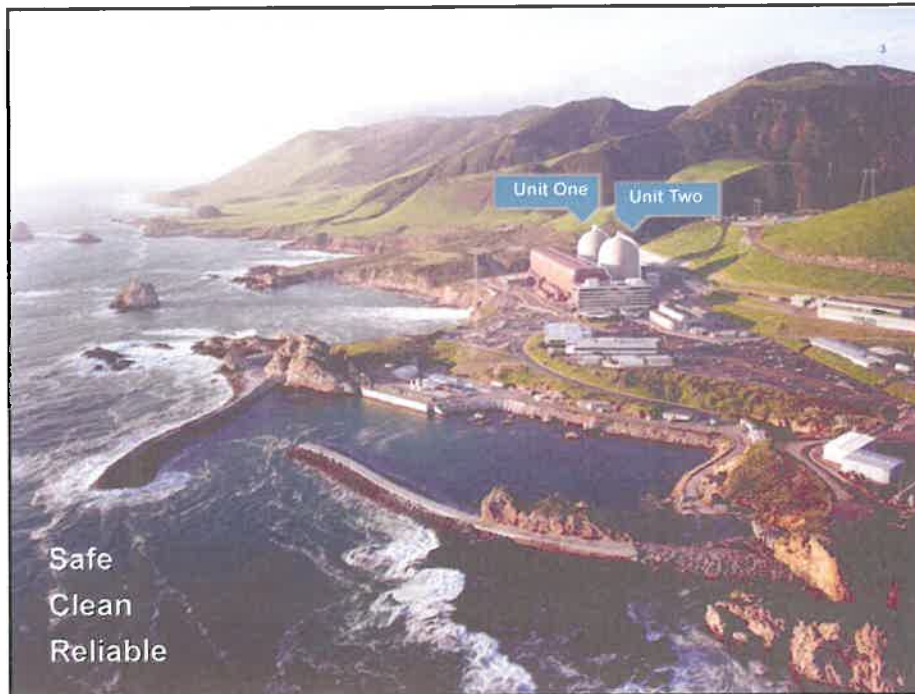
Senior Vice President
Chief Nuclear Officer

December 18, 2013



Purpose – Desired Outcome

- Share plant performance information that demonstrates the safe operation of DCP
- Communicate important initiatives occurring at Diablo Canyon Power Plant
- Ensure continued transparency and clarity about plant operations





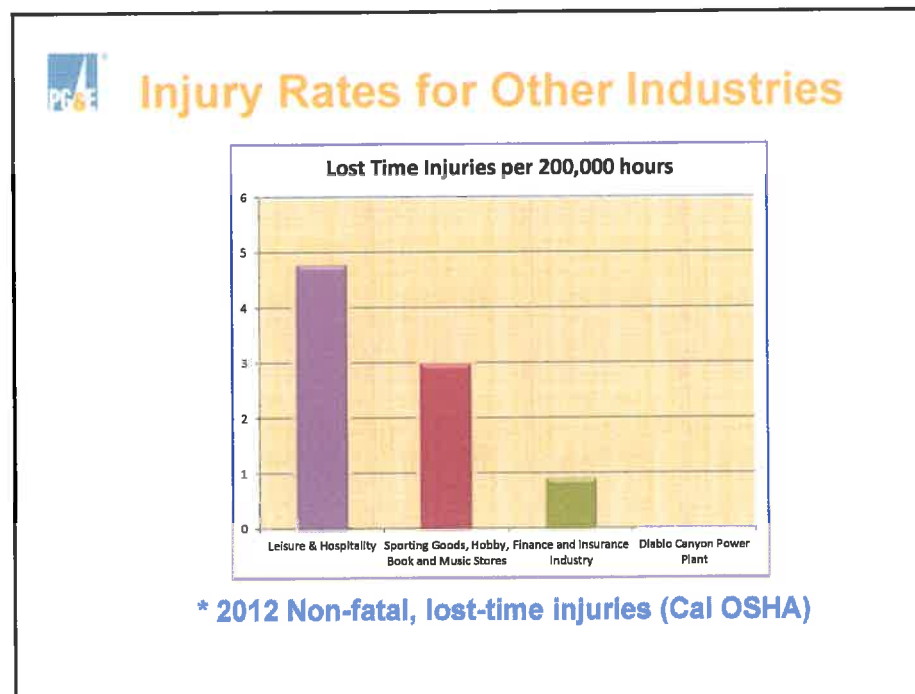
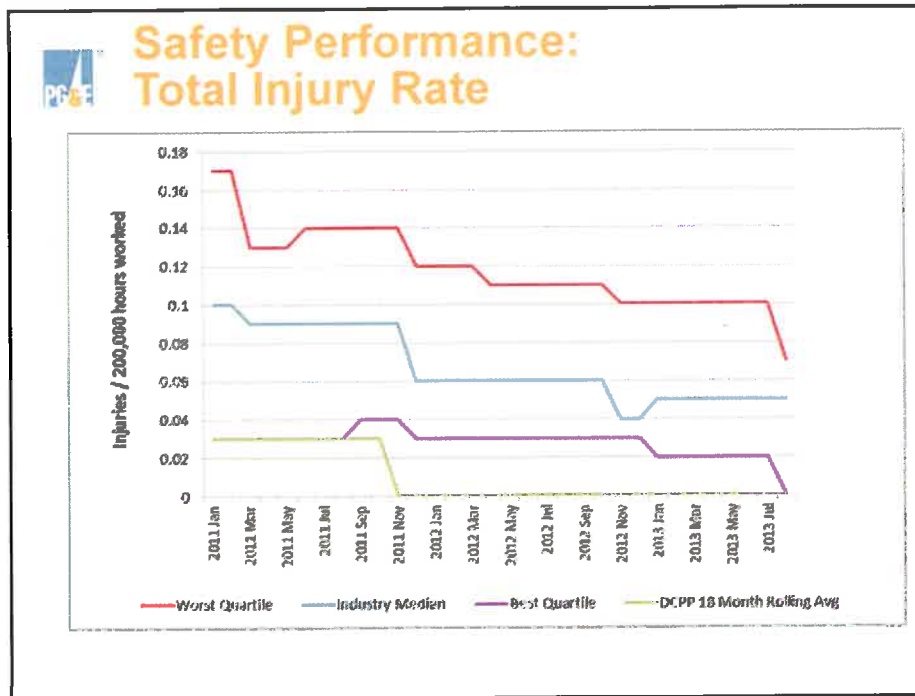
DCPP Station Performance

- **2012 - 2013 NRC Inspection Overview**
 - Over 10,000 hours of oversight by NRC
 - Over 4,000 hours of in-plant inspection
 - 6,000 hours reviewing records, plant design and assessing in-plant inspections
 - No greater than green findings
- **Excellent Performance in:**
 - Safety
 - Human performance
 - Outage schedule implementation and cost



Safety Performance at DCP

- **Successful completion of Refueling Outage 2R17**
 - Plant Safety, Reliability and Modernization Improvements
 - Plant Control System (PCS) replacement
 - Water treatment system upgrades
 - Containment crane control system
 - Safety
 - No lost-time work injuries
 - Best human performance ever



Diablo Canyon Power Plant Preparedness

Barry Allen

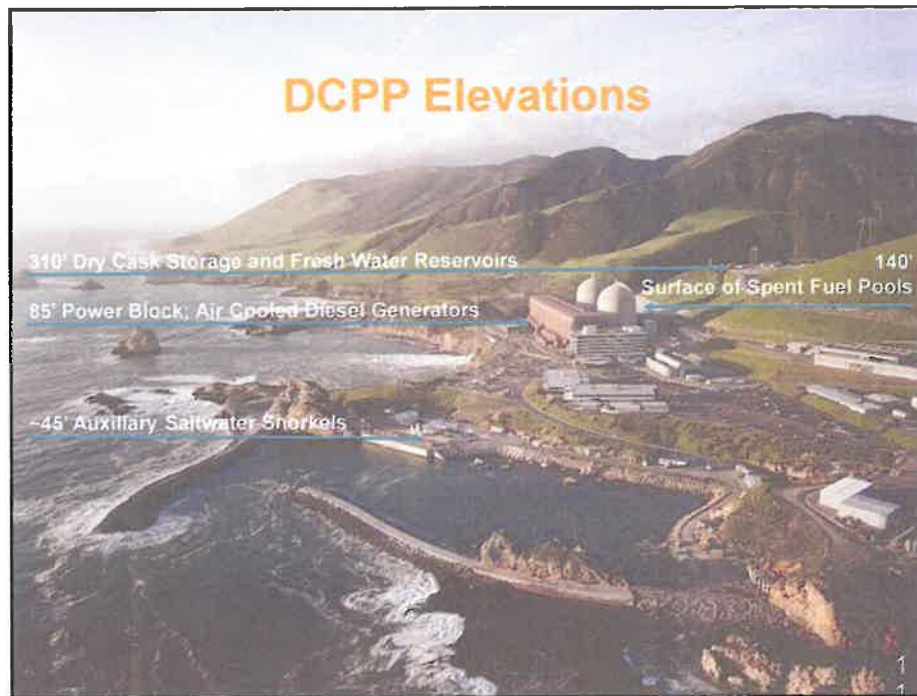
Site Vice President



Emergency Preparedness

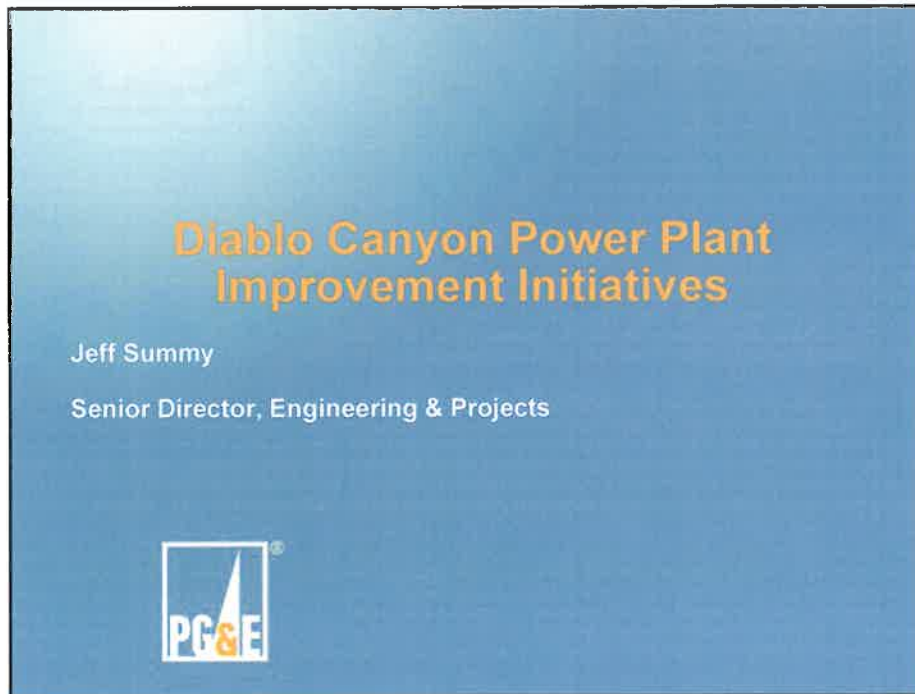
- **Integrated emergency response plan**
 - Brings together federal, state and local agencies
 - San Luis Obispo County Office of Emergency Services oversees local plan
 - Regular exercises ensure readiness
- **Major investments to support plan**
 - Annual investment of several million dollars
 - 131 sirens across the emergency planning zone for all hazards (tsunami, wild land fire, etc.)
- **Support the Sherriff's Countywide Task Force on Emergency Preparedness**


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What is FLEX Program?

- A program to enhance safety in the face of extreme natural events
- The diverse and flexible "FLEX" response strategy addresses the major challenges encountered with the main goal of maintaining effective reactor fuel cooling
- The strategy focuses on providing an uninterrupted supply of electricity and cooling water to protect critical plant safety systems at all times
- Ensures that every U.S. nuclear energy facility can respond safely to extreme events, no matter what the cause





DCPP Seismic Update Schedule

Long-Term Seismic Program Update-

- Completed extensive field testing in 2012 using state-of the-art techniques
- Installed additional monitoring equipment in 2013
- PG&E is updating the Site Seismic Hazard assessment using the Senior Seismic Hazard Analysis Committee (SSHAC) process:
 - Extensive participation by experts from government and private sector
 - Peer reviewed & publicly evaluated
 - Provides updated ground motion values and regional seismic characteristics
 - SSHAC meetings open to the public
- PG&E will share new ground motion values and other relevant seismic information to regional infrastructure operators (Caltrans, SLO County, etc.)



Transmission System Investments

The Transmission Grid at DCCP provides power at two voltage levels:

- 500,000 volts (500 kV) and 230,000 volts (230 kV)

The primary backup power is supplied power via the 230 kV system

- Two incoming transmission lines
- Cross-tie capability between the two units

Secondary offsite backup power via the 500 kV system

- Three incoming transmission lines

Future enhancements will make the 500 kV system and the 230 kV system both immediate backup sources of power.

Nuclear Safety Culture

Lynn Walter

Director Station Support





Leadership Training

Facilitative Leadership-

- Key, plant-wide initiative that provides a stimulating and collaborative approach to decision making
- Taps the power of participation to engage employees at all levels
- Drives better solutions, allows creativity to flourish, and provides a common, efficient platform for meetings and problem solving actions.



Knowledge Transfer

All Employees: Passport to Knowledge



Future Leaders: Passport to Leadership



Engaged Employees

Community Involvement:

\$557,622 in paycheck deduction donations for 2014

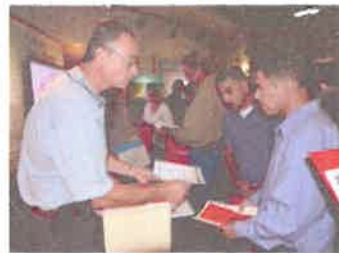
5,200 Employee Volunteer Hours in 2013 YTD

Hiring Fair:

Over 700 community members participated

Applied for outage & PG&E full-time jobs

Received resume assistance and job leads
outside of PG&E



Diablo Canyon Power Plant

Ed Halpin

Senior Vice President,
Chief Nuclear Officer



ADAMS Accession Number: ML13354C091

ADAMS: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> SUNSI Review Complete		Reviewer Initials:
		<input checked="" type="checkbox"/> Publicly Available		<input checked="" type="checkbox"/> Non-Sensitive
		<input type="checkbox"/> Non-publicly Available		<input type="checkbox"/> Sensitive
SPE:DRP/PBA	C:DRP/PBA			
RAlexander	WWalker			
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12/20/2013	12/23/2013			

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F=Fax