STATE OF CALIFORNIA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

Edmund G. Brown Jr., *Governor*

January 10, 2013

Advice Letter 4165-E

Brian K. Cherry
Vice President, Regulation and Rates
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

SUBJECT: Request Approval of the Disbursement of Funds from the Humboldt Bay Power Plant Unit 3 Nuclear Decommissioning Trusts

Dear Mr. Cherry:

Advice Letter 4165-E is effective as of January 17, 2013.

Sincerely,

Edward Randolph

Edward F. Randolph, Director
Energy Division

Pacific Gas and Electric Company

Brian K. Cherry
Vice President
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-7226

December 18, 2012

Advice 4165-E
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Request Approval of the Disbursement of Funds from the Humboldt Bay Power Plant Unit 3 Nuclear Decommissioning Trusts

Purpose

Pacific Gas and Electric Company (PG&E) hereby submits its updated schedule of anticipated disbursement requests from the Humboldt Bay Unit 3 Nuclear Decommissioning Master Trusts (Trusts) to fund decommissioning activities at Humboldt Bay Power Plant Unit 3 (HBPP Unit 3) for January 2013 through December 2013. Through this advice letter, PG&E requests approval of the disbursement of up to $93.5 million for planned expenditures in 2013.

PG&E has collected revenues to fund the decommissioning Trusts, and drawing upon the Trusts for these activities will not increase any rate of charge, cause the withdrawal of service, or conflict with any rate schedule or rule.

Background

HBPP Unit 3 is a 65 megawatt boiling water reactor that began commercial operation in 1963, ceased operation in 1976, and was placed in the SAFSTOR custodial mode in 1988 to await final decommissioning. In Decision D.03-10-014, the California Public Utilities Commission (CPUC or the Commission) approved a decommissioning plan to commence decommissioning HBPP Unit 3 in 2006 (later extended to 2009).

The Trusts were established in D.85-12-022, to allow PG&E "to recover from its ratepayers the cost of decommissioning the prudently constructed plant at Humboldt Bay Power Plant Unit 3." Funds for the Trusts were collected from PG&E's ratepayers from 1988 through 1991 per D.85-12-022, and from 2003 through 2009 per CPUC D.03-020-014 and D.07-01-003; and are now being collected through D.10-07-047, which approved PG&E's 2009 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP) Application. As of September 30, 2012, the Trusts had a liquidation value of $278.6 million, a market value of $287.9 million, and an expense equivalent liquidated value of

$283.3 million.[1] $93.5 million represents approximately 33 percent of the total expense equivalent liquidated value.

The Commission previously authorized Trust disbursements to fund preparatory activities in anticipation of the decommissioning of HBPP Unit 3. In Resolution E-4258, the Commission approved PG&E's request for authorization to access the Trusts for Interim Disbursements (as defined in the Trusts) to fund decommissioning activities. Resolution E-4258 further directed that PG&E continue to seek specific disbursements through Advice Letter filings. In D.11-07-003 the Commission specified the information to be included in future filings.

Discussion

Advice Letter 3932-E, PG&E's most recent funding request, was authorized on Nov. 21, 2011. In that advice letter, PG&E identified its schedule of anticipated disbursement requests from the Trusts to fund decommissioning activities at HBPP Unit 3 through December 2013. At that time, PG&E requested approval of disbursements of up to $105.1 million for planned expenditures for the remainder of 2011 through 2012, and stated that it would request approval of the disbursement of the amounts for 2013 in future advice letter filings.

PG&E has updated its forecast of planned expenditures, and the following table identifies the scopes of work which were identified in Advice Letter 3932-E for 2013 and the amounts for which PG&E is now seeking authorization:

Scope of Work	Amount Identified for 2013 in Advice Letter 3932-E ($ millions)	Current Amount Requested ($ millions)
Operation and maintenance of the Independent Spent Fuel Storage Installation (ISFSI)	$4.2	$3.7
Reactor Vessel Removal	$9.0	$14.2
Purchase tools, equipment, & health physics supplies	$2.4	$4.6
Field work and site infrastructure	$12.6	$16.7
Decommissioning labor expenses	$29.1	$22.6
Packaging, transporting and disposal of waste	$13.5	$19.7

[1] The liquidation value of the trusts reflects the amount available, after taxes, to pay for nuclear decommissioning projects.

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Prepare buildings for decontamination and demolition of structures	$14.8	$12.0
Total	$73.5	$93.5

PG&E intends to file its 2012 NDCTP Application on December 21, 2012. The disbursement requests included in this advice letter reflect only items which were included in the TLG Decommissioning Cost Estimate approved in D.10-07-047. PG&E will be making an additional advice letter filing in 2013 to include new scopes of work addressed in its updated HBPP Unit 3 decommissioning cost study in the 2012 NDCTP.

These activities are distinct from the operations and maintenance activities performed under SAFSTOR and, consistent with prior Commission decisions PG&E is not requesting any funding for SAFSTOR through this Advice Letter. In accordance with D.11-07-003, PG&E is providing the following additional information:

Attachment 1 – Graph tracking NDCTP forecast and actual decommissioning expenditures
Attachment 2 – Description of planned scopes of work
Attachment 3 – Summary of previous Advice Letter approvals and Trust withdrawals and anticipated disbursements
Attachment 4 – Correlation of budget categories to TLG Decommissioning Cost Estimate

As with previously approved disbursements from the Trusts, PG&E will maintain separate accounting to record costs of these activities, and the related transactions with the Trusts, to permit cost monitoring. In accordance with Ordering Paragraph 2 of Resolution E-4268, PG&E will seek disbursement from the Trusts for activities granted herein only after PG&E has incurred and paid the costs for the activities, or through the advance withdrawal procedures authorized in Section 2.01(5) of the Trusts. To date, PG&E has not utilized these advance procedures; instead, on a periodic basis, PG&E requests withdrawals from the Trusts of the costs of internal services and vendors actually paid.

Actual expenditures will be reviewed after completion in subsequent NDCTPs.

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Protests

Anyone wishing to protest this advice letter may do so by letter sent via U.S. mail, facsimile or E-mail, no later than **January 7, 2013**, which is 20 days after the date of this submission. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Brian K. Cherry
Vice President, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-7226
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter. (General Order 96-B, Section 7.4.) The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this advice filing become effective on **January 17, 2013**, which is thirty (30) days after the date of filing. PG&E submits this as a Tier 2 filing.

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Notice

In accordance with G.O. 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the service list for A.09-04-007 and A.09-04-009. Address changes to the G.O. 96-B service list should be directed to e-mail PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approval letters to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: http://www.pge.com/tariffs.

Brian Cherry /IG

Vice President - Regulatory Relations

cc: Service Lists A.09-04-007 and 09-04-009

Attachments

Attachment 1 – Graph tracking NDCTP forecast and actual decommissioning expenditures
Attachment 2 – Description of planned scopes of work
Attachment 3 – Summary of previous Advice Letter approvals and Trust withdrawals and anticipated disbursements
Attachment 4 – Correlation of budget categories to TLG Decommissioning Cost Estimate

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CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY
ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 E)**

Utility type:	Contact Person: Igor Grinberg
☑ ELC ☐ GAS	Phone #: (415) 973-8580
☐ PLC ☐ HEAT ☐ WATER	E-mail: ixg8@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas
PLC = Pipeline HEAT = Heat WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **4165-E** **Tier: 2**

Subject of AL: **Request Approval of the Disbursement of Funds from the Humboldt Bay Power Plant Unit 3 Nuclear Decommissioning Trusts**

Keywords (choose from CPUC listing): Nuclear

AL filing type: ☐ Monthly ☐ Quarterly ☐ Annual ☑One-Time ☐ Other _____

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: N/A

Does AL replace a withdrawn or rejected AL? No If so, identify the prior AL: N/A

Summarize differences between the AL and the prior withdrawn or rejected AL: N/A

Is AL requesting confidential treatment? No If so, what information is the utility seeking confidential treatment for: N/A

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: _____

Resolution Required? ☐Yes ☑No

Requested effective date: **January 17, 2013** No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed: N/A

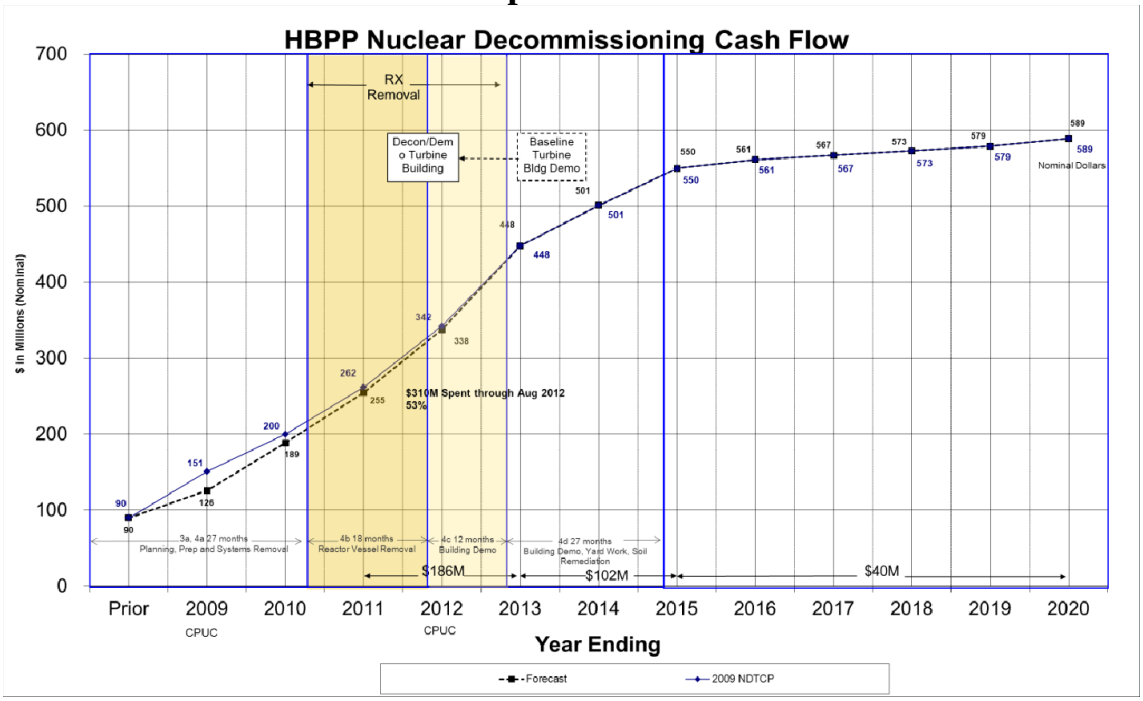
Pending advice letters that revise the same tariff sheets: N/A

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

California Public Utilities Commission
Energy Division
EDTariffUnit
505 Van Ness Ave., 4th Flr.
San Francisco, CA 94102
E-mail: EDTariffUnit@cpuc.ca.gov

Pacific Gas and Electric Company
Attn: Brian Cherry
Vice President, Regulatory Relations
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177
E-mail: PGETariffs@pge.com

Graph Tracking NDCTP Forecast And Actual Decommissioning Expenditures



Comparison Forecast to Actual Expenditures			
Year	**Baseline TLG Estimate (2008 $)**	**Escalated TLG Estimate**	**Actual**
Prior	**-**	**-**	**90M**
2009	**75M[1]**	**78M[1]**	**36M**
2010	**46M**	**49M**	**63M**
2011	**55M**	**62M**	**66M**
2012	**68M**	**81M**	**83M[2]**
2013	**83M**	**105M**	**94M[2]**

[1] $16.9 million expended in 2008 included in 2009 Trust Funding Estimate

[2] Current Forecast

Planned Project Activities and Costs

PG&E Advice Letter 4165-E

1. Operation and Maintenance of the ISFSI

The used fuel at Humboldt Bay was moved to the Independent Spent Fuel Storage Installation (ISFSI) in 2008. With the placement of the fuel at the ISFSI, PG&E commenced incurring operation and maintenance (O&M) expenses associated with the ISFSI. PG&E received initial funding of $4 million through Advice Letter 3147-E; and an additional $2.5 million, $7.2 million through Advice Letters 3843-E, and 3649-E, respectively, and $4 million through Advice Letter 3932-E for this scope. The ongoing costs for O&M of the ISFSI, security at the ISFSI, NRC fees, and NRC inspections through December 2013 are an additional $3.7 million.

2. Segmentation and Disposal of Reactor Vessel Shell

The segmentation, removal, and disposal of the reactor vessel shell is planned to begin in fall 2013 following the removal of the reactor vessel internals. The estimate for this scope of work is estimated at $14.2 million through 2013. Costs for the planning, preparation, and portions of the internal removals activities of the Reactor Vessel were also covered in Advice Letter 3649-E and 3932-E.

3. Purchase Tools and Equipment

An adequate tool and equipment supply, including decontamination and health physics supplies are needed to perform the decommissioning activities. In addition to the typical hand tools and personnel protective equipment (PPE) inventories, this category includes, but is not limited to: building and equipment maintenance materials, site equipment refueling costs, weather protection supplies, unique equipment rental (*e.g.*, light stanchions, man-lifts, generators, pumps, fans, heaters), crane / hoist inspection services, and safety equipment. The tools and equipment purchased will be limited to that needed for the scope of work during this phase. The total estimate for tools and equipment for this phase is $4.6 million.

4. Field Work and Site Infrastructure

This request includes the dismantling and preparation for disposal of the remaining systems and components within the RCA boundary. This includes, but is not limited to: tanks and vessels, pumps, piping and valves, fans, ducts, electrical cable and raceway, asbestos-containing insulation, panels and coatings, and embedded piping. This also includes scaffolding and other associated, additional costs. The estimate for this scope is $16.7 million.

5. Decommissioning Labor Expenses

Labor costs include management positions, safety oversight, procurement, finance, licensing support, radiation protection, and engineering. Other work activities performed during this period will include bid scope preparation, bid evaluation, selection of demolition contractors, and contract administration. This request also includes historical site assessment, historical resource mitigation, environmental regulatory compliance, and safety meetings. The estimate for this scope of work through October 2013 is $22.6 million.

6. Packaging, Transporting and Disposal of Waste

Components removed in the decontamination and dismantling of HBPP Unit 3 will be routed to an on-site central packaging and processing area. This includes the processing of dry active waste (DAW), resins, filter media, metallic and non-metallic components generated in the decommissioning. Contaminated material will be characterized, packaged and transported for disposal at the appropriate waste disposal facility. PG&E received initial funding of $34 million through Advice Letter 3649-E and an additional $13.9 million to implement the Waste Management and Transportation Plan through Advice Letter 3483-E. The estimate for packaging, transporting and disposal of waste through October 2013 is $19.7 million.

7. Demolition of Turbine Building

This request includes demolition of the Turbine Building. The estimate for this scope of work is $12.0 million.

Summary of Previous Advice Letter Approvals, Trust Withdrawals and Anticipated Disbursements

Previously identified activities include design, development, operations and maintenance of the Independent Spent Fuel Storage Installation; mitigation of Caisson In-Leakage; initial sampling, surveys, and radiological characterization of plant systems; environmental studies and permitting; preparations and removal of equipment and plant systems from the turbine building, refueling building and yard facilities; disposal of Class A and low level waste; as well as other preparatory activities for decommissioning.

The total amount authorized in previous advice letter requests is $354.1 million, with ISFSI related requests at $61.4 million and Non-ISFSI related at $187.6 million. The amount actually expended through August 2012 totals $310.1 million. The amount estimated to be spent from September 2012 through 2013 totals $121.0 million.

The following table compares the actual expenditures for each activity to the amounts authorized.

	Earlier Advice Letters	Advice Letter 3147-E 1-Nov-07	Advice Letter 3483-E 29-Jun-09	Advice Letter 3649-E 13-Apr-10	Advice Letter 3932-E 20-Oct-11	Actual Expenditure through Aug 2012	Forecast Expenditure Sept-Dec 2012	Remainder (Carry Over)
ISFSI O&M		4,000,000	2,500,000	7,200,000	4,007,835	14,116,049	1,387,302	2,204,484
Reactor Vessel	100,000	1,100,000	1,700,000	20,100,000	19,665,367	13,312,842	300,000	29,052,525
Tools & Equipment			6,900,000	5,100,000	3,319,708	11,602,155	974,651	2,742,902
Field Work		8,600,000	11,500,000	16,500,000	11,948,054	38,992,929	6,628,370	2,926,755
Staffing		0	20,800,000	37,000,000	32,171,307	107,086,904	11,813,977	(28,929,574)
Waste Disposal		5,600,000	13,900,000	34,000,000	14,159,172	23,449,037	1,422,344	42,787,792
Building Demolition				0	7,844,757	1,442,206	4,221,588	2,180,963
Other		1,900,000	0	0	0	10,226,973	739,976	(9,066,949)
Subtotal	100,000	21,200,000	57,300,000	119,900,000	93,116,200	220,229,095	27,488,208	43,898,897
Miscellaneous	69,219,300	10,700,000		-29,400,0001	12,000,000	89,895,798	0	(27,376,498)
Total	69,319,300	31,900,000	57,300,000	90,500,000	105,116,200	310,124,893	27,488,208	16,522,399

[1] Amount by which Advice Letter 3649-E requested total was reduced in Advice Letter 3649-E-S.

Correlation of Budget Categories to TLG Decommissioning Cost Estimate

ISFSI O & M (including Security Staffing)[1]			
		3b.4.8	NRC Fees
		3b.4.11	ISFSI Operating Costs
		3b.4.12	Security Staff Cost
		4a.4.8	NRC Fees
		4a.4.11	ISFSI Operating Costs
		4a.4.12	Security Staff Cost
		4b.4.8	NRC Fees
		4b.4.12	ISFSI Operating Costs
		4b.4.13	Security Staff Cost
		4c.4.8	NRC Fees
		4c.4.12	ISFSI Operating Costs
		4c.4.13	Security Staff Cost
		4d.4.7	NRC Fees
		4d.4.11	ISFSI Operating Costs
		4d.4.12	Security Staff Cost
Reactor Vessel			
		4a.2.2	Activation Analysis of Reactor
		4b.1.1.1	CRDMs & NIs Removal
		4b.1.1.2	Reactor Vessel Internals
		4b.1.1.3	Reactor Vessel
Tools, Equipment and Health Physics Supplies			
Tools and Equipment			
		3b.2.12	Procure Initial Inventory of Tools and Equipment
		3b.3.1	Decon equipment
		3b.3.3	Pipe cutting equipment
		3b.4.1	Decon supplies
		3b.4.4	Health physics supplies
		4a.3.2	Small tool allowance
		4a.4.1	Decon supplies
		4a.4.4	Health physics supplies

[1] References are to the TLG Decommissioning Cost Estimate approved in D.10-07-047.

		4a.3.2	Small tool allowance
		4a.4.1	Decon supplies
		4a.4.4	Health physics supplies
		4b.3.2	Small tool allowance
		4b.4.1	Decon supplies
		4b.4.4	Health physics supplies
		4c.3.2	Small tool allowance
		4c.4.1	Decon supplies
		4c.4.4	Health physics supplies
		4c.4.5	Heavy equipment rental
		4d.3.1	Small Tool Allowance
		4d.4.3	Health physics supplies
		4d.4.4	Heavy equipment rental
Field Work and Site Infrastructure/Mods			
Special Projects			
		3b.2.1	Additional Support Facilities - Radiological Protection
		3b.2.2	Additional Support Facilities - Access, Fencing, Laydown Areas
		3b.2.3	Personnel & Material Access RB Access Shaft
		3b.2.6	Employee Emergency Notification System
		3b.2.7	Infrastructure for Facility Modifications
		3b.2.9	Rebuild Refueling Building Crane
		4a.2.1	Modifications Supporting Access for Equipment Removal
		4b.2.3	Expand Waste Packaging Laydown Area
Systems Removal			
		4a.1.1	Main Turbine/Generator
		4a.1.2	Main Condensers
		4a.1.3	Remove Spent Fuel Racks
		4a.1.4	Fuel Pool Cleanup
		4a.1.5.1	RB2-1
		4a.1.5.2	RB2-2
		4a.1.5.3	RB2-3
		4a.1.5.4	RB2-4
		4a.1.5.5	RB2-5
		4a.1.5.6	RB2-6
		4a.1.5.7	RB3-1
		4a.1.5.8	RB4-1
		4a.1.5.9	TB1-1 Main Turbine

		4a.1.5.10	TB1-2 Main Generator
		4a.1.5.11	TB1-3 Hydrogen Yard
		4a.1.5.12	TB2-1 Main Condenser
		4a.1.5.13	TB2-2 Seal Oil Switchgear
		4a.1.5.14	TB3-1 Reactor Feed Pump
		4a.1.5.15	TB3-2 Propane Engine Generator
		4a.1.5.16	TB3-3 clean area 2400/480V Transformers
		4a.1.5.17	TB4-1 Pipe Tunnel
		4a.1.5.18	TB4-2 Pipe Gallery
		4a.1.5.19	TB5-1 Anion/Cation
		4a.1.5.20	TB5-2 Condensate Demineralizers
		4a.1.5.21	TB6-1 Air Ejector
		4a.1.5.22	TB6-2 Vacuum Pump/Condensate Pump
		4a.1.5.23	YARD
		4a.1.5.24	YD1-1 clean area Main Transformers
		4b.1.2.1	RB2-7
		4b.1.2.2	RB2-8
		4b.1.2.3	RB2-9
		4b.1.2.4	RW1-1
		4b.1.2.5	RW1-2
		4b.1.2.6	RW1-3
		4b.1.2.7	RW1-4
		4b.1.2.8	RW1-5
		4b.1.2.9	RW1-6
		4b.1.2.10	RW1-7
		4b.1.2.11	RW1-8
		4b.1.2.12	RW1-9
		4b.1.2.13	RWP
		4b.2.1	Discharge Piping
		4b.2.2	Asbestos Removal
		4b.2.3	Expand Waste Packaging Laydown Area
		4c.1.1.1	HMS1-1
		4c.1.1.2	HMS1-2
		4c.1.1.3	HMSP
		4c.1.1.4	OTS-1
		4c.1.1.5	OTS-2
		4c.1.1.6	OTS-3
		4c.1.1.7	OTS-4
		4c.1.1.8	OTS-5
		4c.1.1.9	OTS-6
		4c.1.1.10	RB1-1

		4c.1.1.11	RB1-2
		4c.1.1.12	RB1-3
		4c.1.1.13	RB1-4
		4c.1.1.14	RB1-5
		4c.1.1.15	RB1-6
		4c.1.1.16	RB3-2
		4c.1.1.17	RB4-2
		4c.1.1.18	RB5-1
		4c.1.1.19	RB5-1 (HVAC Scope)
		4c.1.1.20	RBP
		4c.1.1.21	TB7-1
		4c.1.1.22	TB7-2
		4c.1.1.23	TB7-3
		4c.1.1.24	TB7-4
		4c.1.1.25	TB7-5
		4c.1.1.26	TB7-6
		4c.1.1.27	TB7-7
		4c.1.1.28	TBP
		4c.1.1.29	YD1-2
		4c.1.1.30	YD1-5
		4c.1.1.31	YD2-1
		4c.1.1.32	YD2-2
		4c.1.1.33	YD2-3
		4c.1.1.34	YD2-4
		4c.1.1.35	YD2-5
		4c.1.1.36	YD2-6
		4c.1.1.37	YDP
	Emergent Work		
		4a.1.6	Scaffolding in support of decommissioning
		4b.1.3	Scaffolding in support of decommissioning
		4c.1.2	Scaffolding in support of decommissioning
Staffing and Specialty Consultants			
	Staffing		
		3b.4.13	DOC Staff Cost
		3b.4.14	Utility Staff Cost
		4a.4.13	DOC Staff Cost
		4a.4.14	Utility Staff Cost
		4b.4.14	DOC Staff Cost

		4b.4.15	Utility Staff Cost
		4c.4.14	DOC Staff Cost
		4c.4.15	Utility Staff Cost
		4d.4.13	DOC Staff Cost
		4d.4.14	Utility Staff Cost
Specialty Consultants			
		3b.4.10	Environmental / Engineering Support
		4a.4.10	Environmental / Engineering Support
		4b.4.10	Environmental / Engineering Support
		4c.4.10	Environmental / Engineering Support
		4d.4.9	Environmental / Engineering Support
Packaging, Transportation and Disposal Waste Disposal			
		3b.2.8	Mixed Waste Disposal
		3b.2.11	Package Legacy Class B & C Waste
		3b.4.6	Disposal of DAW generated
		4a.1.1	Main Turbine/Generator
		4a.1.2	Main Condensers
		4a.1.3	Remove Spent Fuel Racks
		4a.1.5.1	RB2-1
		4a.1.5.2	RB2-2
		4a.1.5.3	RB2-3
		4a.1.5.4	RB2-4
		4a.1.5.5	RB2-5
		4a.1.5.6	RB2-6
		4a.1.5.7	RB3-1
		4a.1.5.8	RB4-1
		4a.1.5.9	TB1-1 Main Turbine
		4a.1.5.12	TB2-1 Main Condenser
		4a.1.5.14	TB3-1 Reactor Feed Pump
		4a.1.5.17	TB4-1 Pipe Tunnel
		4a.1.5.18	TB4-2 Pipe Gallery
		4a.1.5.19	TB5-1 Anion/Cation
		4a.1.5.20	TB5-2 Condensate Demineralizers
		4a.1.5.21	TB6-1 Air Ejector
		4a.1.5.22	TB6-2 Vacuum Pump/Condensate Pump
		4a.3.1	Process liquid waste
		4a.4.6	Disposal of DAW generated

		4b.1.2.1	RB2-7
		4b.1.2.2	RB2-8
		4b.1.2.3	RB2-9
		4b.1.2.4	RW1-1
		4b.1.2.5	RW1-2
		4b.1.2.6	RW1-3
		4b.1.2.7	RW1-4
		4b.1.2.8	RW1-5
		4b.1.2.9	RW1-6
		4b.1.2.10	RW1-7
		4b.1.2.11	RW1-8
		4b.1.2.12	RW1-9
		4b.2.1	Discharge Piping
		4b.3.1	Process liquid waste
		4b.4.6	Disposal of DAW generated
		4b.4.11	Radwaste Processing Equipment/Services
		4c.1.1.1	HMS1-1
		4c.1.1.2	HMS1-2
		4c.1.1.3	HMSP
		4c.1.1.8	OTS-5
		4c.1.1.10	RB1-1
		4c.1.1.11	RB1-2
		4c.1.1.12	RB1-3
		4c.1.1.13	RB1-4
		4c.1.1.14	RB1-5
		4c.1.1.15	RB1-6
		4c.1.1.16	RB3-2
		4c.1.1.17	RB4-2
		4c.1.1.18	RB5-1
		4c.1.1.19	RB5-1 (HVAC Scope)
		4c.1.1.20	RBP
		4c.1.1.23	TB7-3
		4c.1.1.24	TB7-4
		4c.1.1.25	TB7-5
		4c.1.1.26	TB7-6
		4c.1.1.29	YD1-2
		4c.1.1.30	YD1-5
		4c.1.1.31	YD2-1
		4c.1.1.32	YD2-2
		4c.1.1.33	YD2-3
		4c.1.1.34	YD2-4

		4c.1.1.35	YD2-5
		4c.1.1.36	YD2-6
		4c.1.1.37	YDP
		4c.1.2	Scaffolding in support of decommissioning
		4c.1.3.1	HMS
		4c.1.3.2	Hot Machine Shop & Calibration
		4c.1.3.3	RB1
		4c.1.3.4	RB2
		4c.1.3.5	RB3
		4c.1.3.6	RB4
		4c.1.3.7	RB5-1 (Refuel Bldg Roof)
		4c.1.3.8	RW1
		4c.1.3.9	Refueling
		4c.1.3.10	TB1
		4c.1.3.11	TB2
		4c.1.3.12	TB3
		4c.1.3.13	TB4
		4c.1.3.14	TB5
		4c.1.3.15	TB6
		4c.1.3.16	TB7
		4c.1.3.17	Turbine
		4c.1.3.18	YD1
		4c.1.3.19	YD2
		4c.2.1	Contaminated Soil Removal
		4c.2.3	Caisson Mixed Waste Removal
		4c.2.5	Removal of 3 spent fuel pool walls
		4c.2.6	Removal of Yard Pipe Tunnel
		4c.3.1	Process liquid waste
		4c.4.6	Disposal of DAW generated
		4c.4.11	Radwaste Processing Equipment/Services
		4d.1.1	Contaminated Equipment Storage
		4d.1.2	Gas Stack
		4d.1.3	Hot Machine Shop & Calibration
		4d.1.4	New Off Gas Vault
		4d.1.5	Radwaste Treatment
		4d.1.6	Refueling
		4d.1.7	Solid Waste Vault
		4d.1.8	Turbine
		4d.1.9	Yard Structures
		4d.4.5	Disposal of DAW generated
		4d.4.10	Radwaste Processing Equipment/Services

Packaging, Glove Bags, Containers, etc.			
		3b.4.5	Heavy equipment rental
		4a.1.3	Remove Spent Fuel Racks
		4a.1.5.1	RB2-1
		4a.1.5.2	RB2-2
		4a.1.5.3	RB2-3
		4a.1.5.4	RB2-4
		4a.1.5.5	RB2-5
		4a.1.5.6	RB2-6
		4a.1.5.7	RB3-1
		4a.1.5.8	RB4-1
		4a.1.5.9	TB1-1 Main Turbine
		4a.1.5.12	TB2-1 Main Condenser
		4a.1.5.14	TB3-1 Reactor Feed Pump
		4a.1.5.17	TB4-1 Pipe Tunnel
		4a.1.5.18	TB4-2 Pipe Gallery
		4a.1.5.19	TB5-1 Anion/Cation
		4a.1.5.20	TB5-2 Condensate Demineralizers
		4a.1.5.21	TB6-1 Air Ejector
		4a.1.5.22	TB6-2 Vacuum Pump/Condensate Pump
		4a.4.4	Health physics supplies
		4a.4.5	Heavy equipment rental
		4b.1.1.1	CRDMs & NIs Removal
		4b.1.2.1	RB2-7
		4b.1.2.2	RB2-8
		4b.1.2.3	RB2-9
		4b.1.2.4	RW1-1
		4b.1.2.5	RW1-2
		4b.1.2.6	RW1-3
		4b.1.2.7	RW1-4
		4b.1.2.8	RW1-5
		4b.1.2.9	RW1-6
		4b.1.2.10	RW1-7
		4b.1.2.11	RW1-8
		4b.1.2.12	RW1-9
		4b.2.1	Discharge Piping
		4b.4.4	Health physics supplies
		4b.4.5	Heavy equipment rental

Building Demolition (including decontamination)			
Prep Buildings for Demolition (Building Decontamination)			
		4c.1.3.1	HMS
		4c.1.3.2	Hot Machine Shop & Calibration
		4c.1.3.3	RB1
		4c.1.3.4	RB2
		4c.1.3.5	RB3
		4c.1.3.6	RB4
		4c.1.3.7	RB5-1 (Refuel Bldg Roof)
		4c.1.3.8	RW1
		4c.1.3.9	Refueling
		4c.1.3.10	TB1
		4c.1.3.11	TB2
		4c.1.3.12	TB3
		4c.1.3.13	TB4
		4c.1.3.14	TB5
		4c.1.3.15	TB6
		4c.1.3.16	TB7
		4c.1.3.17	Turbine
		4c.1.3.18	YD1
		4c.1.3.19	YD2
Building Demolition			
		4d.1.1	Contaminated Equipment Storage
		4d.1.2	Gas Stack
		4d.1.3	Hot Machine Shop & Calibration
		4d.1.4	New Off Gas Vault
		4d.1.5	Radwaste Treatment
		4d.1.6	Refueling
		4d.1.7	Solid Waste Vault
		4d.1.8	Turbine
		4d.1.9	Yard Structures
		4d.2.1	Backfill of Structures and Site
Additional Costs			
		4b.2.1	Discharge Piping
		4b.2.2	Asbestos Removal
		4c.2.1	Contaminated Soil Removal
		4c.2.2	Replacement of Drains and Catch Basins
		4c.2.3	Caisson Mixed Waste Removal

		4c.2.4	Site work supporting spent fuel pool removal

PG&E Gas and Electric
Advice Filing List
General Order 96-B, Section IV

1st Light Energy
AT&T
Alcantar & Kahl LLP
Ameresco
Anderson & Poole
BART
Barkovich & Yap, Inc.
Bartle Wells Associates
Bloomberg
Bloomberg New Energy Finance
Boston Properties
Braun Blaising McLaughlin, P.C.
Brookfield Renewable Power
CA Bldg Industry Association
CENERGY POWER
CLECA Law Office
California Cotton Ginners & Growers Assn
California Energy Commission
California League of Food Processors
California Public Utilities Commission
Calpine
Cardinal Cogen
Casner, Steve
Center for Biological Diversity
Chris, King
City of Palo Alto
City of Palo Alto Utilities
City of San Jose
City of Santa Rosa
Clean Energy Fuels
Clean Power
Coast Economic Consulting
Commercial Energy
Consumer Federation of California
Crossborder Energy
Davis Wright Tremaine LLP
Day Carter Murphy
Defense Energy Support Center
Department of General Services
Department of Water Resources
Dept of General Services
Douglass & Liddell
Downey & Brand
Duke Energy
Economic Sciences Corporation
Ellison Schneider & Harris LLP
Foster Farms
G. A. Krause & Assoc.
GLJ Publications
GenOn Energy Inc.
GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz & Ritchie
Green Power Institute
Hanna & Morton
Hitachi
In House Energy
International Power Technology
Intestate Gas Services, Inc.
Lawrence Berkeley National Lab
Los Angeles County Office of Education
Los Angeles Dept of Water & Power
MAC Lighting Consulting
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenna Long & Aldridge LLP
McKenzie & Associates
Merced Irrigation District
Modesto Irrigation District
Morgan Stanley
Morrison & Foerster
Morrison & Foerster LLP
NLine Energy, Inc.
NRG West
NaturEner
Norris & Wong Associates
North America Power Partners
North Coast SolarResources
Northern California Power Association
Occidental Energy Marketing, Inc.
OnGrid Solar
PG&E
Praxair
R. W. Beck & Associates
RCS, Inc.
SCD Energy Solutions
SCE
SMUD
SPURR
San Francisco Public Utilities Commission
Seattle City Light
Sempra Utilities
Sierra Pacific Power Company
Silicon Valley Power
Silo Energy LLC
Southern California Edison Company
Spark Energy, L.P.
Sun Light & Power
Sunrun Inc.
Sunshine Design
Sutherland, Asbill & Brennan
Tecogen, Inc.
Tiger Natural Gas, Inc.
TransCanada
Turlock Irrigation District
United Cogen
Utility Cost Management
Utility Specialists
Verizon
Wellhead Electric Company
Western Manufactured Housing Communities Association (WMA)
eMeter Corporation