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PG&E Letter DCL-09-021

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

Docket No. 50-275, OL-DPR-80
Docket No. 50-323, OL-DPR-82
Diablo Canyon Units 1 and 2
Decommissioning Funding Report for Diablo Canyon Power Plant Units 1 and 2

Dear Commissioners and Staff:

PG&E is submitting the decommissioning fund report for Diablo Canyon Power Plant (DCPP) Units 1 and 2, pursuant to the requirements of 10 CFR 50.75(f).

Diablo Canyon Units 1 and 2

At the end of calendar year 2008, the market value of the DCPP Units 1 (3411 MWt) and 2 (3411 MWt) decommissioning trust fund Market value was \$612.5 million and \$843.6 million respectively. Based on the site-specific decommissioning cost estimate prepared by TLG Services, Inc. and adjusted per the Nuclear Decommissioning Cost Triennial Proceeding (NDCTP) Decision 07-01-003 from the California Public Utilities Commission (CPUC), PG&E is confident that the DCPP Units 1 and 2 decommissioning trust fund balance in 2024 and 2025 will meet the minimum NRC decommissioning amount of \$540.8 million (2009 dollars) for each unit that was calculated pursuant to the requirements specified in 10 CFR 50.75(c).

Supporting Cost Estimates

Based on site-specific cost estimates prepared by TLG Services, Inc., and adjustments as a result of the NDCTP Decision 07-01-003, PG&E has estimated that the decommissioning costs are approximately \$679.5 million for DCPP Unit 1 and \$720.9 million for Unit 2 in 2009 dollars. These costs do not include site restoration of the facilities (\$256.4 million) nor spent fuel management costs after shutdown of Units 1 and 2 (\$261.0 million).

To assure that sufficient funds will be available for decommissioning, PG&E has established separate external sinking trust fund accounts for DCPP Units 1 and 2.

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Supporting Enclosures

Supporting documentation for this report is included as Enclosures 1 through 3.

Enclosure 1 provides decommissioning funding status information in a format suggested by NEI and the NRC.

Enclosure 2 provides information on the escalation of the required decommissioning funding amounts from 1986 dollars to 2009 dollars. As required by 10 CFR 50.75(c)(2), and using NUREG 1577, "Standard Review Plan on Power Reactor Licensee Financial Qualifications and Decommissioning Funding Assurance," Revision 1 and NUREG 1307, "Report on Waste Burial Charges," Revision 13, the information includes escalation factors for energy, labor, and waste burial costs.

Enclosure 3 provides the TLG Services, Inc. decommissioning cost estimate report prepared in August 2005 for PG&E for DCPD Units 1 and 2. The TLG Services, Inc. cost estimate has then been adjusted to reflect the costs in 2009 dollars per CPUC Decision 07-01-003 by applying the escalation factors; adjusting the burial costs of Class A Low Level Radioactive Waste to \$248 per cubic foot; and the contingency to 35 percent. The report provides cost estimates for decommissioning of both nuclear and non-nuclear facilities, including the Independent Spent Fuel Storage Installation.

There are no Regulatory commitments in this letter. Should you have any questions in regard to this document please feel free to call Robert Kapus at (707) 444-0810.

Sincerely,

James R. Becker
Site Vice President

Enclosures

cc/enc: Elmo E. Collins, Regional Administrator, NRC Region IV
Michael A. Dusaniwskyj, US NRC Headquarters
Michael S. Peck, NRC Senior Resident Inspector
Alan B. Wang, NRC Project Manager
Diablo Distribution
INPO

**NRC Decommissioning Funding Status Report
Diablo Canyon Power Plant - Units 1 (3411 MWt) & 2 (3411 MWt)**

As provided in 10 CFR 50.75(f)(1), each power reactor licensee is required to report to the NRC on a calendar year basis, beginning on March 31, 1999, and every 2 years thereafter, on the status of its decommissioning funding for each reactor or share of reactor it owns.

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c)¹

	\$ in Millions
Value in January 2009 dollars	Unit 1 \$ 540.8
	Unit 2 \$ 540.8

2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)).

Market Value (December 2008 dollars)	Unit 1 \$ 612.5
	Unit 2 \$ 843.6

3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c). (See item 6 of this enclosure describing the collection of additional funds)

Unit 1 amount remaining \$ 5.5
(\$1.8 million for 3 years beginning 2007)

Unit 2 amount remaining \$ 0

¹* The NRC formulas in section 10 CFR 50.75(c) include only those decommissioning costs incurred by licensees to remove a facility or site safely from service and reduce residual radioactivity to levels that permit: (1) release of the property for unrestricted use and termination of the license; or (2) release of the property under restricted conditions and termination of the license. The cost of dismantling or demolishing nonradiological systems and structures is not included in the NRC decommissioning cost estimates. The costs of managing and storing spent fuel on site until transfer to DOE are not included in the cost formulas.

4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds (anticipates that the portfolio of each trust will be gradually converted to a more conservative all income portfolio beginning in 2020 for Unit 1 and Unit 2), and rates of other factors used in funding projections;

Escalation in decommissioning costs	4.50 percent
Rate of Return on Qualified Trust Unit 1 2006	6.02 percent
Rate of Return on Qualified Trust Unit 1 2007	5.85 percent
Rate of Return on Qualified Trust Unit 1 2008	5.73 percent
Rate of Return on Qualified Trust Unit 1 2009	5.64 percent
Rate of Return on Qualified Trust Unit 1 2010	5.57 percent
Rate of Return on Qualified Trust Unit 1 2011	5.53 percent
Rate of Return on Qualified Trust Unit 1 2012	5.49 percent
Rate of Return on Qualified Trust Unit 1 2013	5.47 percent
Rate of Return on Qualified Trust Unit 1 2014	5.45 percent
Rate of Return on Qualified Trust Unit 1 2015	5.44 percent
Rate of Return on Qualified Trust Unit 1 2016	5.43 percent
Rate of Return on Qualified Trust Unit 1 2017	5.42 percent
Rate of Return on Qualified Trust Unit 1 2018	5.41 percent
Rate of Return on Qualified Trust Unit 1 2019	5.41 percent
Rate of Return on Qualified Trust Unit 1 2020	5.18 percent
Rate of Return on Qualified Trust Unit 1 2021	4.86 percent
Rate of Return on Qualified Trust Unit 1 2022	4.59 percent
Rate of Return on Qualified Trust Unit 1 2023	4.38 percent
Rate of Return on Qualified Trust Unit 1 (Post 2025)	4.13 percent
Rate of Return on Qualified Trust Unit 2 2006	6.02 percent
Rate of Return on Qualified Trust Unit 2 2007	5.85 percent
Rate of Return on Qualified Trust Unit 2 2008	5.73 percent
Rate of Return on Qualified Trust Unit 2 2009	5.64 percent
Rate of Return on Qualified Trust Unit 2 2010	5.57 percent
Rate of Return on Qualified Trust Unit 2 2011	5.52 percent
Rate of Return on Qualified Trust Unit 2 2012	5.49 percent
Rate of Return on Qualified Trust Unit 2 2013	5.46 percent
Rate of Return on Qualified Trust Unit 2 2014	5.45 percent
Rate of Return on Qualified Trust Unit 2 2015	5.43 percent
Rate of Return on Qualified Trust Unit 2 2016	5.42 percent
Rate of Return on Qualified Trust Unit 2 2017	5.42 percent
Rate of Return on Qualified Trust Unit 2 2018	5.41 percent
Rate of Return on Qualified Trust Unit 2 2019	5.41 percent
Rate of Return on Qualified Trust Unit 2 2020	5.17 percent
Rate of Return on Qualified Trust Unit 2 2021	4.86 percent
Rate of Return on Qualified Trust Unit 2 2022	4.59 percent
Rate of Return on Qualified Trust Unit 2 2023	4.38 percent

Rate of Return on Qualified Trust Unit 2 2024	4.23 percent
Rate of Return on Qualified Trust Unit 2 (Post 2025)	4.13 percent

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).

NONE

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.

NONE

7. Any material changes to trust agreements.

NONE

8. CPUC Submittal in 2009 Dollars in Millions

Total Unit 1 (Decommission 2024)	\$ 865.0
Scope Excluded from NRC calculations	\$ 185.5
Total NRC Decommissioning Costs	<u>\$ 679.5</u>
Total Unit 2 (Decommission 2025)	\$ 1,052.8
Scope Excluded from NRC calculations	\$ 331.9
Total NRC Decommissioning Costs	<u>\$ 720.9</u>

Nuclear Regulatory Commission
Estimate of Decommission Costs for PWR DCP Unit 1 in 2009

	DCPP PWR (millions)
Jan 1986 Estimate	105
Escalated to 1999	\$118.2 (Table 2.1 in NUREG 1307 Rev 10 has no value for 1999 Burial)
Escalated to 2000	(No Submittal Required)
Escalated to 2001	\$387.2 (\$396.7 in 2001 Submittal)
Escalated to 2002	(No Submittal Required)
Escalated to 2003	\$405.6 (\$404.8 in 2003 Submittal)
Escalated to 2004	(No Submittal Required)
Escalated to 2005	\$467.3 (\$427.2 in 2005 Submittal)
Escalated to 2006	(No Submittal Required)
Escalated to 2007	\$495.8 (\$494.8 in 2007 Submittal)
Escalated to 2008	(No Submittal Required)
Escalated to 2009	\$540.8

Jan 1986 based on 10 CFR 50.75 (c) Table of minimum amounts
BWR based on minimum 1, 200 MWt = (\$104 + (.009xMWt)) million per unit

Jan 1986 based on 10 CFR 50.75 (c) Table of minimum amounts
PWR Greater than or equal to 3400 MWt = \$105 million per unit
between 1200 MWt and 3400 MWt (for PWR less than 1200 MWt, use $P=1200\text{MWt } \$75+0.0088P$)

Nuclear Regulatory Commission
Estimate of Decommission Costs for PWR DCP Unit 2 in 2009

	DCPP PWR (millions)
Jan 1986 Estimate	105
Escalated to 1999	\$118.2 (Table 2.1 in NUREG 1307 Rev 10 has no value for 1999 Burial)
Escalated to 2000	(No Submittal Required)
Escalated to 2001	\$387.2 (\$396.7 in 2001 Submittal)
Escalated to 2002	(No Submittal Required)
Escalated to 2003	\$405.6 (\$404.8 in 2003 Submittal)
Escalated to 2004	(No Submittal Required)
Escalated to 2005	\$467.3 (\$427.2 in 2005 Submittal)
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Escalated to 2007	\$495.8 (\$494.8 in 2007 Submittal)
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PWR Greater than or equal to 3400 MWt = \$105 million per unit
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Calculating Overall Escalation Rate

PWR	Jan-86	Jan-99	Jan-00	Jan-01	Jan-02	Jan-03	Jan-04	Jan-05	Jan-06	Jan-07	Jan-08	Jan-09	Weight (1)	PWR Combined Escalation Rate for:											
														Jan-86	Jan-99	Jan-00	Jan-01	Jan-02	Jan-03	Jan-04	Jan-05	Jan-06	Jan-07	Jan-08	Jan-09
L (Labor)	1.0000	1.5624	1.6370	1.7183	1.7862	1.8630	1.9521	2.0200	2.0724	2.1465	2.2207	2.2557	0.65	1.0000	1.1260	3.5748	3.6874	3.7458	3.8628	4.3031	4.4505	4.6044	4.7224	5.0538	5.1504
E (Energy)	1.0000	0.8499	1.0297	1.1850	0.9909	1.2027	1.2164	1.4656	1.8308	1.7950	2.3262	1.7840	0.13												
B (Burial)	1.0000	0.0000	10.8039	10.9840	11.1633	11.3430	13.0733	13.3951	13.7247	14.0626	15.0364	15.6922	0.22												

(1) from NUREG 1307 Revision 12, Report on Waste Burial Charges, Section 2 Summary, Page 3 ... where A, B, and C are the fractions of the total 1986 dollar costs that are attributable to labor (0.65), energy (0.13), and burial (0.22), respectively, and sum to 1.0.

(2) Jan-01, Jan-03, Jan-05 and Jan-07 B (Burial) value in this table see calculation notes in Development of B Component spreadsheet

Development of E Component

Enclosure 2
PG&E Letter DCL-09-021

Calculation of Energy Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.2
Using Regional Indices SERIES ID: WPU0573 Light Fuel Oils (as of 03/06/09) and WPU0543 Industrial Electric Power (as of 03/06/09)

REBASED TO 1986 = 100

	PPI for Fuels & Related Products (1982 = 100) (P) =Industrial Energy Power	PPI for Light Fuel Oils (1982=100) (F) = Light Fuel Oils	PPI for Fuels & Related Products (1986 = 100) (P) =Industrial Energy Power PWR wt = 0.58	PPI for Light Fuel Oils (1986=100) (F) = Light Fuel Oils PWR wt = 0.42	Energy Escalation Factor (E) for PWR (Diablo Canyon)
Jan-86	114.2	82.0	1.0000	1.0000	1.0000
Feb-86	115.0	62.4	1.0070	0.7610	0.9037
Mar-86	114.4	51.3	1.0018	0.6256	0.8438
Apr-86	113.7	49.8	0.9956	0.6073	0.8325
May-86	114.1	47.0	0.9991	0.5732	0.8202
Jun-86	115.3	44.7	1.0096	0.5451	0.8145
Jul-86	116.2	36.4	1.0175	0.4439	0.7766
Aug-86	116.3	40.1	1.0184	0.4890	0.7961
Sep-86	116.3	46.3	1.0184	0.5646	0.8278
Oct-86	113.0	43.1	0.9895	0.5256	0.7947
Nov-86	112.7	43.5	0.9869	0.5305	0.7952
Dec-86	112.3	45.6	0.9834	0.5561	0.8039
Jan-87	110.3	51.4	0.9658	0.6268	0.8235
Feb-87	109.8	53.1	0.9615	0.6476	0.8296
Mar-87	110.2	49.7	0.9650	0.6061	0.8142
Apr-87	109.9	52.0	0.9623	0.6341	0.8245
May-87	111.8	53.3	0.9790	0.6500	0.8408
Jun-87	113.9	55.1	0.9974	0.6720	0.8607
Jul-87	116.2	56.3	1.0175	0.6866	0.8785
Aug-87	115.7	59.4	1.0131	0.7244	0.8919
Sep-87	115.5	56.8	1.0114	0.6927	0.8775
Oct-87	111.0	59.3	0.9720	0.7232	0.8675
Nov-87	109.2	61.2	0.9562	0.7463	0.8681
Dec-87	109.6	58.1	0.9597	0.7085	0.8542
Jan-88	108.8	54.8	0.9527	0.6683	0.8333
Feb-88	109.0	51.5	0.9545	0.6280	0.8174
Mar-88	109.0	49.7	0.9545	0.6061	0.8082
Apr-88	109.1	53.3	0.9553	0.6500	0.8271
May-88	108.9	54.3	0.9536	0.6622	0.8312
Jun-88	117.2	50.6	1.0263	0.6171	0.8544
Jul-88	118.2	46.9	1.0350	0.5720	0.8405
Aug-88	118.3	46.8	1.0359	0.5707	0.8405
Sep-88	118.5	45.9	1.0377	0.5598	0.8369
Oct-88	114.2	42.3	1.0000	0.5159	0.7967
Nov-88	109.2	47.2	0.9562	0.5756	0.7964
Dec-88	110.5	50.6	0.9676	0.6171	0.8204
Jan-89	112.0	54.9	0.9807	0.6695	0.8500
Feb-89	112.0	54.0	0.9807	0.6585	0.8454
Mar-89	112.3	57.3	0.9834	0.6988	0.8638
Apr-89	112.4	61.5	0.9842	0.7500	0.8859
May-89	113.6	57.5	0.9947	0.7012	0.8715
Jun-89	119.8	53.3	1.0490	0.6500	0.8814
Jul-89	122.2	52.7	1.0701	0.6427	0.8906
Aug-89	122.4	53.5	1.0718	0.6524	0.8957
Sep-89	122.5	59.3	1.0727	0.7232	0.9259
Oct-89	117.2	64.0	1.0263	0.7805	0.9230

Calculation of Energy Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.2
Using Regional Indices SERIES ID: WPU0573 Light Fuel Oils (as of 03/06/09) and WPU0543 Industrial Electric Power (as of 03/06/09)

REBASED TO 1986 = 100

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982=100) (F) = Light Fuel Oils	PPI for Fuels & Related Products (1986 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1986=100) (F) = Light Fuel Oils	Energy Escalation Factor (E) for PWR (Diablo Canyon)
Nov-89	113.5	64.4	0.9939	0.7854	0.9063
Dec-89	114.2	68.1	1.0000	0.8305	0.9288
Jan-90	114.9	85.3	1.0061	1.0402	1.0205
Feb-90	115.0	59.4	1.0070	0.7244	0.8883
Mar-90	115.4	60.4	1.0105	0.7366	0.8955
Apr-90	115.1	61.0	1.0079	0.7439	0.8970
May-90	117.0	58.4	1.0245	0.7122	0.8933
Jun-90	123.9	53.0	1.0849	0.6463	0.9007
Jul-90	124.4	51.6	1.0893	0.6293	0.8961
Aug-90	124.6	72.3	1.0911	0.8817	1.0031
Sep-90	125.0	87.3	1.0946	1.0646	1.0820
Oct-90	121.2	104.8	1.0613	1.2780	1.1523
Nov-90	120.2	98.9	1.0525	1.2061	1.1170
Dec-90	118.9	89.3	1.0412	1.0890	1.0613
Jan-91	124.2	82.9	1.0876	1.0110	1.0554
Feb-91	124.3	74.3	1.0884	0.9061	1.0119
Mar-91	124.3	61.6	1.0884	0.7512	0.9468
Apr-91	124.7	60.0	1.0919	0.7317	0.9406
May-91	128.2	59.6	1.1226	0.7268	0.9564
Jun-91	132.6	57.6	1.1611	0.7024	0.9685
Jul-91	134.5	58.1	1.1778	0.7085	0.9807
Aug-91	133.8	62.1	1.1716	0.7573	0.9976
Sep-91	133.8	65.4	1.1716	0.7976	1.0145
Oct-91	128.3	67.6	1.1235	0.8244	0.9979
Nov-91	123.1	71.0	1.0779	0.8659	0.9889
Dec-91	125.1	62.2	1.0954	0.7585	0.9539
Jan-92	125.9	54.4	1.1025	0.6634	0.9181
Feb-92	125.3	57.3	1.0972	0.6988	0.9299
Mar-92	125.8	56.0	1.1016	0.6829	0.9257
Apr-92	124.8	59.0	1.0928	0.7195	0.9360
May-92	128.5	62.1	1.1252	0.7573	0.9707
Jun-92	134.8	65.4	1.1804	0.7976	1.0196
Jul-92	135.6	64.6	1.1874	0.7878	1.0196
Aug-92	135.1	63.3	1.1830	0.7720	1.0104
Sep-92	135.9	65.6	1.1900	0.8000	1.0262
Oct-92	131.2	68.2	1.1489	0.8317	1.0157
Nov-92	125.5	64.2	1.0989	0.7829	0.9662
Dec-92	126.7	59.4	1.1095	0.7244	0.9477
Jan-93	127.1	59.0	1.1130	0.7195	0.9477
Feb-93	126.4	60.4	1.1068	0.7366	0.9513
Mar-93	126.7	63.2	1.1095	0.7707	0.9672
Apr-93	126.8	62.4	1.1103	0.7610	0.9636
May-93	127.5	62.6	1.1165	0.7634	0.9682
Jun-93	136.9	60.8	1.1988	0.7415	1.0067
Jul-93	137.1	57.0	1.2005	0.6951	0.9883
Aug-93	137.2	54.4	1.2014	0.6634	0.9754
Sep-93	137.6	59.3	1.2049	0.7232	1.0026
Oct-93	131.9	65.4	1.1550	0.7976	1.0049

Calculation of Energy Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.2
Using Regional Indices SERIES ID: WPU0573 Light Fuel Oils (as of 03/06/09) and WPU0543 Industrial Electric Power (as of 03/06/09)

REBASED TO 1986 = 100

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982=100) (F) = Light Fuel Oils	PPI for Fuels & Related Products (1986 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1986=100) (F) = Light Fuel Oils	Energy Escalation Factor (E) for PWR (Diablo Canyon)
Nov-93	126.3	61.6	1.1060	0.7512	0.9570
Dec-93	126.0	51.4	1.1033	0.6268	0.9032
Jan-94	126.2	51.5	1.1051	0.6280	0.9047
Feb-94	125.9	57.5	1.1025	0.7012	0.9339
Mar-94	125.8	56.2	1.1016	0.6854	0.9268
Apr-94	125.4	54.7	1.0981	0.6671	0.9171
May-94	126.0	54.7	1.1033	0.6671	0.9201
Jun-94	133.5	54.1	1.1690	0.6598	0.9551
Jul-94	134.5	56.3	1.1778	0.6866	0.9715
Aug-94	134.5	57.5	1.1778	0.7012	0.9776
Sep-94	134.9	57.7	1.1813	0.7037	0.9807
Oct-94	129.1	57.7	1.1305	0.7037	0.9512
Nov-94	127.0	58.8	1.1121	0.7171	0.9462
Dec-94	127.4	54.7	1.1156	0.6671	0.9272
Jan-95	127.6	54.7	1.1173	0.6671	0.9282
Feb-95	128.0	53.3	1.1208	0.6500	0.9231
Mar-95	128.3	54.3	1.1235	0.6622	0.9297
Apr-95	126.4	57.1	1.1068	0.6963	0.9344
May-95	130.2	59.1	1.1401	0.7207	0.9640
Jun-95	135.3	55.8	1.1848	0.6805	0.9730
Jul-95	136.6	53.5	1.1961	0.6524	0.9678
Aug-95	136.5	55.6	1.1953	0.6780	0.9780
Sep-95	133.7	58.2	1.1708	0.7098	0.9771
Oct-95	131.4	57.8	1.1506	0.7049	0.9634
Nov-95	127.6	59.5	1.1173	0.7256	0.9528
Dec-95	127.7	60.6	1.1182	0.7390	0.9590
Jan-96	127.9	62.6	1.1200	0.7634	0.9702
Feb-96	127.1	59.7	1.1130	0.7280	0.9513
Mar-96	127.8	63.5	1.1191	0.7744	0.9743
Apr-96	129.1	74.7	1.1305	0.9110	1.0383
May-96	135.0	72.0	1.1821	0.8780	1.0544
Jun-96	137.5	62.8	1.2040	0.7659	1.0200
Jul-96	136.0	64.3	1.1909	0.7841	1.0201
Aug-96	136.2	66.5	1.1926	0.8110	1.0323
Sep-96	136.2	73.4	1.1926	0.8951	1.0677
Oct-96	131.2	79.7	1.1489	0.9720	1.0746
Nov-96	127.1	76.5	1.1130	0.9329	1.0373
Dec-96	127.7	76.1	1.1182	0.9280	1.0383
Jan-97	128.3	73.7	1.1235	0.8988	1.0291
Feb-97	128.1	72.3	1.1217	0.8817	1.0209
Mar-97	128.2	65.2	1.1226	0.7951	0.9851
Apr-97	127.3	65.3	1.1147	0.7963	0.9810
May-97	129.7	64.2	1.1357	0.7829	0.9876
Jun-97	135.1	60.8	1.1830	0.7415	0.9976
Jul-97	135.9	57.8	1.1900	0.7049	0.9863
Aug-97	134.7	61.5	1.1795	0.7500	0.9991
Sep-97	136.0	60.4	1.1909	0.7366	1.0001
Oct-97	130.1	64.8	1.1392	0.7902	0.9927

Calculation of Energy Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.2
Using Regional Indices SERIES ID: WPU0573 Light Fuel Oils (as of 03/06/09) and WPU0543 Industrial Electric Power (as of 03/06/09)

REBASED TO 1986 = 100

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982=100) (F) = Light Fuel Oils	PPI for Fuels & Related Products (1986 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1986=100) (F) = Light Fuel Oils	Energy Escalation Factor (E) for PWR (Diablo Canyon)
Nov-97	127.9	65.8	1.1200	0.8024	0.9866
Dec-97	128.3	59.4	1.1235	0.7244	0.9559
Jan-98	127.4	54.1	1.1156	0.6598	0.9241
Feb-98	127.2	52.0	1.1138	0.6341	0.9124
Mar-98	126.7	48.3	1.1095	0.5890	0.8909
Apr-98	126.4	50.2	1.1068	0.6122	0.8991
May-98	129.2	50.0	1.1313	0.6098	0.9123
Jun-98	133.8	46.3	1.1716	0.5646	0.9167
Jul-98	134.8	45.0	1.1804	0.5488	0.9151
Aug-98	135.2	44.0	1.1839	0.5366	0.9120
Sep-98	135.2	48.3	1.1839	0.5890	0.9340
Oct-98	130.4	47.4	1.1419	0.5780	0.9051
Nov-98	127.6	46.2	1.1173	0.5634	0.8847
Dec-98	126.6	38.8	1.1086	0.4732	0.8417
Jan-99	126.1	40.9	1.1042	0.4988	0.8499
Feb-99	125.5	38.2	1.0989	0.4659	0.8330
Mar-99	125.5	42.8	1.0989	0.5220	0.8566
Apr-99	125.2	52.5	1.0963	0.6402	0.9048
May-99	127.4	52.6	1.1156	0.6415	0.9165
Jun-99	131.0	52.4	1.1471	0.6390	0.9337
Jul-99	133.9	58.7	1.1725	0.7159	0.9807
Aug-99	133.9	63	1.1725	0.7683	1.0027
Sep-99	134.1	67.6	1.1743	0.8244	1.0273
Oct-99	129.5	65.5	1.1340	0.7988	0.9932
Nov-99	127.5	71.3	1.1165	0.8695	1.0127
Dec-99	126.5	72.9	1.1077	0.8890	1.0159
Jan-00	126.8	75.3	1.1103	0.9183	1.0297
Feb-00	126.7	87.9	1.1095	1.0720	1.0937
Mar-00	126.7	89.7	1.1095	1.0939	1.1029
Apr-00	126.8	83.1	1.1103	1.0134	1.0696
May-00	128.6	82.9	1.1261	1.0110	1.0777
Jun-00	133.6	86.2	1.1699	1.0512	1.1200
Jul-00	136.2	88.7	1.1926	1.0817	1.1461
Aug-00	137.4	91.6	1.2032	1.1171	1.1670
Sep-00	137.8	110.1	1.2067	1.3427	1.2638
Oct-00	134.1	108.6	1.1743	1.3244	1.2373
Nov-00	130.9	108.4	1.1462	1.3220	1.2200
Dec-00	132.7	100.6	1.1620	1.2268	1.1892
Jan-01	136.4	96.1	1.1944	1.1720	1.1850
Feb-01	136.4	91.6	1.1944	1.1171	1.1619
Mar-01	136.5	83.1	1.1953	1.0134	1.1189
Apr-01	135.1	86.2	1.1830	1.0512	1.1277
May-01	136.2	94.2	1.1926	1.1488	1.1742
Jun-01	148.4	90.2	1.2995	1.1000	1.2157
Jul-01	149.5	81.3	1.3091	0.9915	1.1757
Aug-01	148.9	83.2	1.3039	1.0146	1.1824
Sep-01	148.2	93	1.2977	1.1341	1.2290
Oct-01	143.8	76.8	1.2592	0.9366	1.1237

Calculation of Energy Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.2
Using Regional Indices SERIES ID: WPU0573 Light Fuel Oils (as of 03/06/09) and WPU0543 Industrial Electric Power (as of 03/06/09)

REBASED TO 1986 = 100

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982=100) (F) = Light Fuel Oils	PPI for Fuels & Related Products (1986 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1986=100) (F) = Light Fuel Oils	Energy Escalation Factor (E) for PWR (Diablo Canyon)
Nov-01	137.3	70.5	1.2023	0.8598	1.0584
Dec-01	136.9	56.6	1.1988	0.6902	0.9852
Jan-02	136.3	58.3	1.1935	0.7110	0.9909
Feb-02	135.4	59.6	1.1856	0.7268	0.9929
Mar-02	135.7	69.1	1.1883	0.8427	1.0431
Apr-02	135.4	76.4	1.1856	0.9317	1.0790
May-02	137.9	75	1.2075	0.9146	1.0845
Jun-02	143.6	71.4	1.2574	0.8707	1.0950
Jul-02	144.9	75.5	1.2688	0.9207	1.1226
Aug-02	145.0	77.9	1.2697	0.9500	1.1354
Sep-02	145.8	89.5	1.2767	1.0915	1.1989
Oct-02	140.0	95.1	1.2259	1.1598	1.1981
Nov-02	139.5	82.8	1.2215	1.0098	1.1326
Dec-02	139.6	84.6	1.2224	1.0317	1.1423
Jan-03	140.3	95.7	1.2285	1.1671	1.2027
Feb-03	140.6	120.4	1.2312	1.4683	1.3308
Mar-03	143.3	128.9	1.2548	1.5720	1.3880
Apr-03	144.3	98.3	1.2636	1.1988	1.2364
May-03	145.1	85.5	1.2706	1.0427	1.1749
Jun-03	148.3	87.2	1.2986	1.0634	1.1998
Jul-03	151.6	90.1	1.3275	1.0988	1.2314
Aug-03	151.3	94.1	1.3249	1.1476	1.2504
Sep-03	152.0	88.2	1.3310	1.0756	1.2237
Oct-03	147.4	97.8	1.2907	1.1927	1.2495
Nov-03	142.7	93.0	1.2496	1.1341	1.2011
Dec-03	142.9	95.8	1.2513	1.1683	1.2164
Jan-04	143.1	106.8	1.2531	1.3024	1.2738
Feb-04	143.1	100.8	1.2531	1.2293	1.2431
Mar-04	143.1	107.8	1.2531	1.3146	1.2789
Apr-04	143.1	115.2	1.2531	1.4049	1.3168
May-04	144.2	116	1.2627	1.4146	1.3265
Jun-04	152.4	111.5	1.3345	1.3598	1.3451
Jul-04	152.2	119.3	1.3327	1.4549	1.3840
Aug-04	154.0	131.1	1.3485	1.5988	1.4536
Sep-04	154.0	136.8	1.3485	1.6683	1.4828
Oct-04	145.8	161.7	1.2767	1.9720	1.5687
Nov-04	144.9	153.6	1.2688	1.8732	1.5227
Dec-04	146.2	133.8	1.2802	1.6317	1.4278
Jan-05	148.9	138.5	1.3039	1.6890	1.4656
Feb-05	148.0	146	1.2960	1.7805	1.4995
Mar-05	148.1	169.4	1.2968	2.0659	1.6198
Apr-05	148.7	170.9	1.3021	2.0841	1.6306
May-05	151.1	165.3	1.3231	2.0159	1.6141
Jun-05	159.7	180.6	1.3984	2.2024	1.7361
Jul-05	162.1	186.2	1.4194	2.2707	1.7770
Aug-05	162.5	194.5	1.4229	2.3720	1.8215
Sep-05	162.8	209.9	1.4256	2.5598	1.9019
Oct-05	159.5	252.0	1.3967	3.0732	2.1008

Calculation of Energy Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.2
Using Regional Indices SERIES ID: WPU0573 Light Fuel Oils (as of 03/06/09) and WPU0543 Industrial Electric Power (as of 03/06/09)

REBASED TO 1986 = 100

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982=100) (F) = Light Fuel Oils	PPI for Fuels & Related Products (1986 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1986=100) (F) = Light Fuel Oils	Energy Escalation Factor (E) for PWR (Diablo Canyon)
Nov-05	161.1	199.1	1.4107	2.4280	1.8380
Dec-05	161.4	193.6	1.4133	2.3610	1.8113
Jan-06	167.0	191.8	1.4623	2.3390	1.8306
Feb-06	168.6	190.0	1.4764	2.3171	1.8295
Mar-06	167.4	199.2	1.4658	2.4293	1.8705
Apr-06	169.6	221.9	1.4851	2.7061	1.9979
May-06	170.8	231.4	1.4956	2.8220	2.0527
Jun-06	181.2	238.1	1.5867	2.9037	2.1398
Jul-06	181.9	231.6	1.5928	2.8244	2.1101
Aug-06	180.2	241.4	1.5779	2.9439	2.1516
Sep-06	181.0	203.1	1.5849	2.4768	1.9595
Oct-06	171.2	198.1	1.4991	2.4159	1.8842
Nov-06	167.2	198.2	1.4641	2.4171	1.8643
Dec-06	167.8	200.4	1.4694	2.4439	1.8787
Jan-07	171.9	180.0	1.5053	2.1951	1.7950
Feb-07	175.7	191.5	1.5385	2.3354	1.8732
Mar-07	172.1	215.1	1.5070	2.6232	1.9758
Apr-07	173.1	231.8	1.5158	2.8268	2.0664
May-07	179.2	225.3	1.5692	2.7476	2.0641
Jun-07	186.7	222.4	1.6349	2.7122	2.0873
Jul-07	187.0	237.8	1.6375	2.9000	2.1677
Aug-07	187.6	225.5	1.6427	2.7500	2.1078
Sep-07	188.4	238.9	1.6497	2.9134	2.1805
Oct-07	182.7	243.3	1.5998	2.9671	2.1741
Nov-07	180.3	288.2	1.5788	3.5146	2.3919
Dec-07	180.0	266.7	1.5762	3.2524	2.2802
Jan-08	181.9	273.8	1.5928	3.3390	2.3262
Feb-08	180.0	280.2	1.5762	3.4171	2.3494
Mar-08	183.1	339.6	1.6033	4.1415	2.6693
Apr-08	185.2	352.5	1.6217	4.2988	2.7461
May-08	189.5	384.9	1.6594	4.6939	2.9339
Jun-08	191.9	410.5	1.6804	5.0061	3.0772
Jul-08	196.1	423.8	1.7172	5.1683	3.1666
Aug-08	197.1	343.9	1.7259	4.1939	2.7625
Sep-08	195.9	335.1	1.7154	4.0866	2.7113
Oct-08	191.6	282.4	1.6778	3.4439	2.4195
Nov-08	189.4	220.2	1.6585	2.6854	2.0898
Dec-08	190.6	165.5	1.6690	2.0183	1.8157
Jan-09	188.9	161.0	1.6541	1.9634	1.7840

Oct 08 through Jan 09 are Preliminary Values from PPI Indices

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU201000000240I (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust West Region Private Industry (1989=100)	Labor Escalation Factor
Jan-86	89.8	1.00000
Feb-86		
Mar-86		
Apr-86	90.8	1.01114
May-86		
Jun-86		
Jul-86	91.2	1.01559
Aug-86		
Sep-86		
Oct-86	91.6	1.02004
Nov-86		
Dec-86		
Jan-87	92.5	1.03007
Feb-87		
Mar-87		
Apr-87	92.6	1.03118
May-87		
Jun-87		
Jul-87	93.7	1.04343
Aug-87		
Sep-87		
Oct-87	94.1	1.04788
Nov-87		
Dec-87		
Jan-88	95.4	1.06236
Feb-88		
Mar-88		
Apr-88	96.3	1.07238
May-88		
Jun-88		
Jul-88	97	1.08018
Aug-88		
Sep-88		
Oct-88	97.7	1.08797
Nov-88		
Dec-88		
Jan-89	98.8	1.10022
Feb-89		
Mar-89		
Apr-89	100	1.11359
May-89		
Jun-89		
Jul-89	101	1.12472
Aug-89		

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU2010000002401 (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust West Region Private Industry (1989=100)	Labor Escalation Factor
Sep-89		
Oct-89	101.8	1.13363
Nov-89		
Dec-89		
Jan-90	103.3	1.15033
Feb-90		
Mar-90		
Apr-90	104.5	1.16370
May-90		
Jun-90		
Jul-90	105.6	1.17595
Aug-90		
Sep-90		
Oct-90	106.3	1.18374
Nov-90		
Dec-90		
Jan-91	107.5	1.19710
Feb-91		
Mar-91		
Apr-91	108.9	1.21269
May-91		
Jun-91		
Jul-91	110	1.22494
Aug-91		
Sep-91		
Oct-91	110.9	1.23497
Nov-91		
Dec-91		
Jan-92	111.9	1.24610
Feb-92		
Mar-92		
Apr-92	112.9	1.25724
May-92		
Jun-92		
Jul-92	114.1	1.27060
Aug-92		
Sep-92		
Oct-92	114.9	1.27951
Nov-92		
Dec-92		
Jan-93	116.2	1.29399
Feb-93		
Mar-93		
Apr-93	116.4	1.29621

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU2010000002401 (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust	
	West Region Private Industry (1989=100)	Labor Escalation Factor
May-93		
Jun-93		
Jul-93	117.8	1.31180
Aug-93		
Sep-93		
Oct-93	118.1	1.31514
Nov-93		
Dec-93		
Jan-94	119.4	1.32962
Feb-94		
Mar-94		
Apr-94	120.5	1.34187
May-94		
Jun-94		
Jul-94	121.3	1.35078
Aug-94		
Sep-94		
Oct-94	121.7	1.35523
Nov-94		
Dec-94		
Jan-95	122.6	1.36526
Feb-95		
Mar-95		
Apr-95	123.4	1.37416
May-95		
Jun-95		
Jul-95	123.9	1.37973
Aug-95		
Sep-95		
Oct-95	125	1.39198
Nov-95		
Dec-95		
Jan-96	125.9	1.40200
Feb-96		
Mar-96		
Apr-96	127.3	1.41759
May-96		
Jun-96		
Jul-96	128.3	1.42873
Aug-96		
Sep-96		
Oct-96	128.9	1.43541
Nov-96		
Dec-96		

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU201000000240I (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust	
	West Region Private Industry (1989=100)	Labor Escalation Factor
Jan-97	130.3	1.45100
Feb-97		
Mar-97		
Apr-97	131.4	1.46325
May-97		
Jun-97		
Jul-97	132.5	1.47550
Aug-97		
Sep-97		
Oct-97	133.4	1.48552
Nov-97		
Dec-97		
Jan-98	135.2	1.50557
Feb-98		
Mar-98		
Apr-98	136.6	1.52116
May-98		
Jun-98		
Jul-98	138.5	1.54232
Aug-98		
Sep-98		
Oct-98	140	1.55902
Nov-98		
Dec-98		
Jan-99	140.3	1.56236
Feb-99		
Mar-99		
Apr-99	142.1	1.58241
May-99		
Jun-99		
Jul-99	143.3	1.59577
Aug-99		
Sep-99		
Oct-99	144.7	1.61136
Nov-99		
Dec-99		
Jan-00	147	1.63697
Feb-00		
Mar-00		
Apr-00	148.8	1.65702
May-00		
Jun-00		
Jul-00	150.8	1.67929
Aug-00		

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU2010000002401 (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust West Region Private Industry (1989=100)	Labor Escalation Factor
Sep-00		
Oct-00	151.8	1.69042
Nov-00		
Dec-00		
Jan-01	154.3	1.71826
Feb-01		
Mar-01		
Apr-01	156	1.73719
May-01		
Jun-01		
Jul-01	157.6	1.75501
Aug-01		
Sep-01		
Oct-01	159.4	1.77506
Nov-01		
Dec-01		
Jan-02	160.4	1.78619
Feb-02		
Feb-02		
Mar-02		
Apr-02	162.9	1.81403
May-02		
Jun-02		
Jul-02	163.8	1.82405
Aug-02		
Sep-02		
Oct-02	165	1.83742
Nov-02		
Dec-02		
Jan-03	167.3	1.86303
Feb-03		
Mar-03		
Apr-03	169.5	1.88753
May-03		
Jun-03		
Jul-03	171.4	1.90869
Aug-03		
Sep-03		
Oct-03	172.2	1.91759
Nov-03		
Dec-03		
Jan-04	175.3	1.95212
Feb-04		
Mar-04		

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU2010000002401 (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust West Region Private Industry (1989=100)	Labor Escalation Factor
Apr-04	176.8	1.96882
May-04		
Jun-04		
Jul-04	178.1	1.98330
Aug-04		
Sep-04		
Oct-04	179.0	1.99332
Nov-04		
Dec-04		
Jan-05	181.4	2.02004
Feb-05		
Mar-05		
Apr-05	183.3	2.04120
May-05		
Jun-05		
Jul-05	184	2.04900
Aug-05		
Sep-05		
Oct-05 (Note 1)	100	2.06000
Nov-05		
Dec-05		
Jan-06	100.6	2.07236
Feb-06		
Mar-06		
Apr-06	101.8	2.09708
May-06		
Jun-06		
Jul-06	102.5	2.11150
Aug-06		
Sep-06		
Oct-06	103	2.12180
Nov-06		
Dec-06		
Jan-07	104.2	2.14652
Feb-07		
Mar-07		
Apr-07	104.9	2.16094
May-07		
Jun-07		
Jul-07	105.7	2.17742
Aug-07		
Sep-07		
Oct-07	106.5	2.19390
Nov-07		

Calculation of Labor Escalation Factor - REFERENCE NUREG-1307, REVISION 13, SECTION 3.1

Using Regional Indices SERIES ID: CIU201000000240I (as of 03/06/09)

Jan '86 adjusted to reflect NUREG 1307 Rev 13 Scaling Factor for West Labor (Pg 7)

Note 1: The Base Labor factor was re-indexed in December 2005, at which time the index was reset to 100.

	Employment Cost Indust West Region Private Industry (1989=100)	Labor Escalation Factor
Dec-07		
Jan-08	107.8	2.22068
Feb-08		
Mar-08		
Apr-08	108.4	2.23304
May-08		
Jun-08		
Jul-08	109.3	2.25158
Aug-08		
Sep-08		
Oct-08	109.4	2.25364
Nov-08		
Dec-08		
Jan-09	109.5	2.25570

Jan-07 is an estimate based on the difference between Jul-06 and Oct-06 added to Oct-06

Development of Burial Escalation

Developed from NUREG-1307 Revision 13

Table 2.1 "VALUES OF B SUB-X AS A FUNCTION OF LLW BURIAL SITE, WASTE VENDOR, AND YEAR" (Summary for non-Atlantic Compact)
Revised to Bx Values for Generic LLW Disposal Site (Assumed to be same as that provided for the Atlantic Compact
for lack of a better alternative at this time.

	PWR Burial Costs (South Carolina)	PWR Restated to 1986 = 100
1986	1.678	1.0000
1987		
1988	2.007	1.1961
1989		
1990		
1991	2.494	1.4863
1992		
1993	11.408	6.7986
1994	11.873	7.0757
1995	12.824	7.6424
1996	12.771	7.6108
1997	15.852	9.4470
1998	15.886	9.4672
1999		0.0000
2000	18.129	10.8039
2001		0.0000
2002	18.732	11.1633
2003	19.034	11.3430
2004	21.937	13.0733
2005	22.477	13.3951
2006	23.030	13.7247
2007	23.597	14.0626
2008	25.231	15.0364
2009	26.332	15.6922

Table 2.1 Note (c) From 7/1/95 through 6/30/2000 access was allowed for all states except North Carolina. Effective 7/1/2000 rates are based on whether a waste generator is or is not a member of the Atlantic Compact.

2001 has no information in NUREG-1307 Rev 12. 2001 is an estimate that is calculated by applying the average % change between 2000 and 2002 and adding to the 2000 base

2003 has no information in NUREG-1307 Rev 12. 2003 is an estimate that is calculated by applying the average % change between 2002 and 2004 and adding to the 2002 base

2005 has no information in NUREG-1307 Rev 12. 2005 is an estimate that is calculated by applying the average % change between 2004 and 2006 and adding to the 2004 base.

2007 has no information in NUREG-1307 Rev 12. 2007 is an estimate that is calculated by applying the average % change between 2004 and 2006 and adding to the 2006 base.

2009 has no information in NUREG-1307 Rev 13. 2009 is an estimate that is calculated by applying the average % change between 2006 and 2008 and adding to the 2008 base.

TABLE C-1
DIABLO CANYON POWER PLANT UNIT 1
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 1
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 18.51% from 2004 and 43.95% for LLRW from 2004. Revised Contingency to 25%. Revised Class A Burial Rate to \$248/d.)

ID	Activity Description	TABLE C-1 (2004 Dollars)							Burial site				TABLE C-2 (2009 Dollars)										
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	A	B	C	GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
1b.4	Subtotal Period 1b Period-Dependent Costs	25	408	3	1	-	90	21,473	3,253	25,253	199	-	-	-	29	476	3	1	-	72	25,040	8,967	34,589
1b.0	TOTAL PERIOD 1b COST	3,473	1,721	560	602	-	5,156	27,854	6,964	46,330	199	-	5,690	-	4,050	2,007	653	864	-	7,344	32,481	16,590	63,989
PERIOD 1 TOTALS		3,473	2,391	565	605	-	5,320	79,796	14,777	106,927	564	-	5,690	-	4,050	2,788	659	869	-	7,474	93,050	38,111	147,001
PERIOD 2a - Large Component Removal																							
Period 2a Direct Decommissioning Activities																							
Nuclear Steam Supply System Removal																							
2a.1.1.1	Reactor Coolant Piping	247	222	25	38	-	1,377	-	532	2,441	2,141	-	-	288	259	29	55	-	1,357	-	696	2,684	
2a.1.1.2	Pressurizer Quench Tank	26	23	4	6	-	194	-	69	322	329	-	-	30	27	5	9	-	183	-	89	343	
2a.1.1.3	Reactor Coolant Pumps & Motors	97	79	43	41	119	4,301	-	1,172	5,852	5,000	-	-	113	92	50	59	171	4,728	-	1,825	7,037	
2a.1.1.4	Pressurizer	32	48	423	61	-	567	-	221	1,353	1,900	-	-	37	56	493	68	-	293	-	339	1,306	
2a.1.1.5	Steam Generators	336	3,152	2,236	666	-	2,283	6,495	112	3,263	18,544	17,719	-	392	3,676	2,607	956	3,277	4,198	131	5,333	20,569	
2a.1.1.6	Retired Steam Generator Units	-	-	1,824	659	-	2,255	6,495	112	2,260	13,604	17,342	-	-	-	2,127	946	3,237	4,307	131	3,762	14,509	
2a.1.1.7	CRDMs/CIS/Service Structure Removal	74	59	101	32	-	267	-	133	666	2,843	-	-	86	69	118	46	-	1,014	-	467	1,799	
2a.1.1.8	Reactor Vessel Internals	117	1,946	4,623	666	-	6,127	198	5,934	19,612	1,753	845	574	136	2,269	5,391	956	-	8,289	231	6,045	23,318	
2a.1.1.9	Reactor Vessel	81	3,660	1,330	474	-	6,521	198	7,527	21,792	6,416	2,379	-	94	4,298	1,551	680	-	10,376	231	8,020	23,221	
2a.1.1	Totals	1,011	9,169	10,610	2,644	4,657	34,345	620	21,110	84,186	55,343	3,224	574	1,179	10,715	12,372	3,796	6,686	33,293	723	24,967	92,832	
Removal of Major Equipment																							
2a.1.2	Main Turbine/Generator	-	416	210	59	750	1,099	-	521	3,056	2,443	-	-	-	485	245	65	1,077	871	-	967	3,729	
2a.1.3	Main Condensers	-	1,199	105	64	605	886	-	632	3,492	1,971	-	-	-	1,398	122	92	869	702	-	1,114	4,297	
Cascading Costs from Clean Building Demolition																							
2a.1.4.1	Reactor	-	1,071	-	-	-	-	-	161	1,232	-	-	-	-	1,249	-	-	-	-	-	-	437	1,686
2a.1.4.2	Containment Penetration Area	-	52	-	-	-	-	-	8	60	-	-	-	-	61	-	-	-	-	-	-	21	82
2a.1.4.3	Fuel Handling	-	140	-	-	-	-	-	21	161	-	-	-	-	163	-	-	-	-	-	-	57	220
2a.1.4	Totals	-	1,263	-	-	-	-	-	189	1,452	-	-	-	-	1,473	-	-	-	-	-	-	515	1,988
Disposal of Plant Systems																							
2a.1.5.1	Auxiliary Steam	-	191	5	23	343	-	-	103	29	-	-	-	-	223	6	33	492	-	-	-	264	1,018
2a.1.5.2	Auxiliary Steam (RCA)	-	164	3	12	180	-	-	70	5,609	-	-	-	-	191	3	17	258	-	-	-	165	635
2a.1.5.3	Condensate System	-	879	53	239	3,632	-	-	806	1,781	-	-	-	-	1,025	62	343	5,214	-	-	-	2,325	8,969
2a.1.5.4	Condensate System (Insulated)	-	312	16	74	1,120	-	-	259	850	-	-	-	-	364	106	1,608	-	-	-	-	734	2,830
2a.1.5.5	Containment Spray	-	150	8	35	533	-	-	123	4,048	-	-	-	-	175	9	50	765	-	-	-	350	1,350
2a.1.5.6	Extraction Steam & Heater Drip	-	348	13	56	860	-	-	326	1,548	-	-	-	-	406	15	63	1,263	-	-	-	2,386	
2a.1.5.7	Feedwater System	-	51	4	19	295	-	-	60	430	-	-	-	-	5	27	424	-	-	-	-	180	695
2a.1.5.8	Feedwater System (Insulated)	-	210	9	41	617	-	-	152	1,029	-	-	-	-	245	10	59	886	-	-	-	420	1,620
2a.1.5.9	Feedwater System (RCA Insulated)	-	76	2	10	149	-	-	43	280	-	-	-	-	9	2	112	-	-	-	-	112	431
2a.1.5.10	Feedwater System (RCA)	-	4	-	1	8	-	-	1	14	-	-	-	-	5	1	11	-	-	-	-	6	24
2a.1.5.11	Lube Oil Distributor & Purification	-	145	2	10	153	-	-	61	372	-	-	-	-	169	2	14	-	-	-	-	142	547
2a.1.5.12	Nitrogen & Hydrogen	-	13	-	-	-	-	-	2	15	-	-	-	-	15	-	-	-	-	-	-	5	20
2a.1.5.13	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	0	2
2a.1.5.14	Nitrogen & Hydrogen (RCA Insulated)	-	4	-	-	2	-	-	1	6	-	-	-	-	5	-	3	-	-	-	-	3	10
2a.1.5.15	Nitrogen & Hydrogen (RCA)	-	27	-	2	29	-	-	21	119	-	-	-	-	78	3	42	-	-	-	-	43	166
2a.1.5.16	Oil Water Separator & TB Sump	-	23	1	3	47	-	-	13	87	-	-	-	-	27	1	4	67	-	-	-	35	135
2a.1.5.17	Saltwater System	-	126	-	-	-	-	-	19	145	-	-	-	-	147	-	-	-	-	-	-	51	198
2a.1.5.18	Turbine Steam Supply	-	952	63	283	4,296	-	-	931	6,524	-	-	-	-	1,110	73	406	6,166	-	-	-	2,715	10,470
2a.1.5.19	Turbine Steam Supply (RCA)	-	518	17	74	1,119	-	-	310	2,038	-	-	-	-	604	20	106	1,606	-	-	-	818	3,154
2a.1.5.20	Turbine and Generator	-	91	3	15	224	-	-	59	392	-	-	-	-	106	3	22	322	-	-	-	158	611
2a.1.5.21	Turbine and Generator (Insulated)	-	38	1	3	47	-	-	17	106	-	-	-	-	44	1	4	67	-	-	-	41	158
2a.1.5	Totals	-	4,363	201	900	13,673	-	-	3,283	22,419	-	-	-	-	5,088	234	1,292	19,629	-	-	-	9,185	35,428
2a.1.6	Scaffolding in support of decommissioning	-	1,894	7	4	50	16	-	486	2,456	34	-	-	-	2,209	8	6	72	13	-	-	808	3,115
2a.1	Subtotal Period 2a Activity Costs	1,011	18,323	11,134	3,670	19,734	36,346	620	26,222	117,060	59,792	3,224	574	1,179	21,366	12,963	5,269	28,330	34,879	723	36,655	141,384	
Period 2a Collateral Costs																							
2a.2.1	Curie Surcharge	-	-	-	-	-	1,051	-	263	1,314	-	-	-	-	-	-	-	1,509	-	-	-	528	2,037
2a.2.2	Old RPV Head	-	91	124	44	-	1,064	14	645	1,962	2,002	-	-	-	106	145	63	-	948	16	447	1,726	
2a.2	Subtotal Period 2a Additional Costs	-	91	124	44	-	2,115	14	907	3,296	2,002	-	-	-	106	145	63	-	2,457	16	976	3,763	
Period 2a Collateral Costs																							
2a.3.1	Process liquid waste	80	-	34	85	-	427	-	163	789	-	559	-	83	-	40	122	-	613	-	-	304	1,172
2a.3.2	Small tool allowance	-	238	-	-	-	-	-	36	273	-	-	-	-	278	-	-	-	-	-	-	97	375
2a.3	Subtotal Period 2a Collateral Costs	80	238	34	85	-	427	-	199	1,062	559	-	-	83	278	40	122	-	613	-	-	401	1,546
Period 2a Period-Dependent Costs																							
2a.4.1	Decon supplies	76	-	-	-	-	-	-	19	95	-	-	-	89	-	-	-	-	-	-	-	31	120
2a.4.2	Insurance	-	-	-	-	-	-	957	96	1,053	-	-	-	-	-	-	-	-	1,116	-	391	1,507	
2a.4.3	Property taxes	-	-	-	-	-	-	134	13	148	-	-	-	-	-	-	-	-	156	-	55	211	
2a.4.4	Health physics supplies	-	1,550	-	-	-	-	-	368	1,938	-	-	-	-	1,807	-	-	-	-	-	633	2,440	
2a.4.5	Heavy equipment rental	-	3,012	-	-	-	-	-	452	3,464	-	-	-	-	3,512	-	-	-	-	-	1,229	4,742	
2a.4.6	Disposal of DAW generated	-	-	68	30	-	2,069	-	529	2,698	4,568	-	-	-	-	79	43	-	1,640	-	617	2,379	
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,408	211	1,620	-	-	-	-	-	-	-	-	-	-	1,642	575	
2a.4.8	NRC ISFSI Fees	-	-	-	-	-	-	191	191	382	-	-	-	-	-	-	-	-	-	-	223	223	
2a.4.9	NRC Fees	-	-	-	-	-	-	501	501	1,002	-	-											

TABLE C-1
DIABLO CANYON POWER PLANT UNIT 1
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 1
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 16.61% from 2004 and 43.56% for LLRW from 2004. Revised Contingency to 35%. Revised Class A Burial Rate to \$248/td)

ID	Activity Description	TABLE C-1 (2004 Dollars)							TABLE C-2 (2009 Dollars)				TABLE C-2 (2009 Dollars)										
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	A CP	B CP	C CP	G TCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2b.1.1.21	HVAC (Contaminated)	-	834	24	77	1,033	328	-	474	2,830	587	-	-	-	-	1,042	28	111	1,483	272	-	1,028	3,954
2b.1.1.22	Liquid Radwaste	360	465	29	30	129	790	-	531	2,353	1,873	-	-	-	443	542	34	43	185	562	-	644	2,484
2b.1.1.23	Liquid Radwaste (Insulated)	44	48	2	2	4	64	-	51	215	134	-	-	-	51	56	2	3	6	53	-	60	231
2b.1.1.24	Make-up Water	-	236	-	-	-	-	-	36	271	-	-	-	-	-	275	-	-	-	-	-	96	372
2b.1.1.25	Make-up Water (Insulated)	-	21	-	-	-	-	-	3	24	-	-	-	-	-	24	-	-	-	-	-	9	33
2b.1.1.26	Make-up Water (RCA Insulated)	-	26	-	1	21	-	-	10	58	-	-	-	-	-	30	-	1	30	-	-	22	84
2b.1.1.27	Make-up Water (RCA)	-	139	2	8	117	-	-	54	319	-	-	-	-	162	2	11	168	-	-	-	120	464
2b.1.1.28	Miscellaneous Reactor Coolant	14	76	2	3	22	56	-	44	218	123	-	-	18	89	2	4	32	46	-	66	254	
2b.1.1.29	Nuclear Steam Supply Sampling	-	113	3	3	23	63	-	252	712	132	-	-	-	132	3	4	33	52	-	79	304	
2b.1.1.30	Nuclear Steam Supply Sampling (Insulated)	-	34	1	-	1	15	-	12	63	31	-	-	-	40	1	-	1	13	-	-	19	74
2b.1.1.31	Residual Heat Removal	229	200	33	44	231	1,057	-	473	2,268	2,216	-	-	267	233	38	63	332	876	-	633	2,443	
2b.1.1.32	Safety Injection	-	79	3	5	57	55	-	43	242	120	-	-	-	92	3	7	82	44	-	80	309	
2b.1.1.33	Safety Injection (Insulated)	-	4	-	-	2	3	-	1	11	7	-	-	-	5	-	3	2	-	-	3	13	
2b.1.1.34	Safety Injection (RCA Insulated)	-	25	1	2	17	30	-	17	92	63	-	-	-	29	1	3	24	26	-	29	111	
2b.1.1.35	Safety Injection (RCA)	-	209	11	17	153	271	-	147	809	569	-	-	-	244	13	24	220	224	-	254	979	
2b.1.1.36	Service Cooling Water	-	77	-	-	-	-	-	11	88	-	-	-	-	90	-	-	-	-	-	31	121	
2b.1.1.37	Service Cooling Water (RCA)	-	18	-	1	20	-	-	8	46	-	-	-	-	21	-	-	29	-	-	18	69	
2b.1.1	Totals	1,456	10,007	252	649	8,128	4,217	-	5,377	30,084	9,204	-	-	1,698	11,669	294	932	11,866	3,391	-	10,377	40,026	
2b.1.2	Scaffolding in support of decommissioning	-	2,367	9	5	63	19	-	608	3,070	43	-	-	-	2,760	10	7	90	15	-	1,009	3,802	
Decommissioning of Site Buildings																							
2b.1.3.1	Reactor	1,182	1,313	231	304	319	8,742	-	3,221	15,312	19,464	-	-	1,378	1,531	269	436	458	6,918	-	3,847	14,839	
2b.1.3.2	Capital Additions 85-2002	20	18	1	2	30	4	-	21	96	13	-	-	23	21	1	3	43	2	-	33	126	
2b.1.3.3	Containment Penetration Area	204	145	15	24	90	537	-	281	1,306	1,204	-	-	238	169	34	34	129	423	-	354	1,364	
2b.1.3	Totals	1,406	1,477	247	330	438	9,283	-	3,533	16,714	20,692	-	-	1,640	1,722	288	474	629	7,291	-	4,215	16,258	
2b.1	Subtotal Period 2b Activity Costs	2,862	13,850	509	983	8,627	13,519	-	9,518	49,866	29,920	-	-	3,337	16,150	594	1,411	12,385	10,748	-	15,619	60,245	
Period 2b Collateral Costs																							
2b.3.1	Process liquid waste	47	-	180	218	-	1,704	-	500	2,646	1,941	-	-	55	-	210	313	-	2,446	-	1,058	4,082	
2b.3.2	Small tool allowance	-	281	-	-	-	-	-	42	323	-	-	-	-	-	-	-	-	-	-	442	-	
2b.3.3	Spent Fuel Capital and Transfer	-	-	-	-	-	-	5,000	750	5,750	-	-	-	-	-	-	-	-	-	5,831	2,041	7,871	
2b.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	356	53	409	-	-	-	-	-	-	-	-	-	415	145	560	
2b.3	Subtotal Period 2b Collateral Costs	47	281	180	218	-	1,704	5,356	1,704	9,130	1,941	-	-	55	328	210	313	-	2,446	6,246	3,359	12,956	
Period 2b Period-Dependent Costs																							
2b.4.1	Decon supplies	1,230	-	-	-	-	-	-	308	1,538	-	-	-	1,434	-	-	-	-	-	-	502	1,936	
2b.4.2	Insurance	-	-	-	-	-	7,252	-	725	7,978	-	-	-	-	-	-	-	-	8,457	-	2,960	11,416	
2b.4.3	Property taxes	-	-	-	-	-	-	1,120	112	1,232	-	-	-	-	-	-	-	-	1,306	-	457	1,763	
2b.4.4	Health physics supplies	-	4,955	-	-	-	-	-	1,239	6,194	-	-	-	-	5,778	-	-	-	-	-	2,022	7,800	
2b.4.5	Heavy equipment rental	-	3,921	-	-	-	-	-	588	4,509	-	-	-	-	4,572	-	-	-	-	-	1,600	6,173	
2b.4.6	Disposal of DAW generated	-	-	123	55	-	3,739	-	955	4,873	8,309	-	-	-	-	143	79	-	2,964	-	1,115	4,301	
2b.4.7	Plant energy budget	-	-	-	-	-	2,482	-	372	2,854	-	-	-	-	-	-	-	-	-	2,894	1,013	3,907	
2b.4.8	NRC ISFSI Fees	-	-	-	-	-	1,591	-	1,591	3,182	-	-	-	-	-	-	-	-	-	1,855	1,855		
2b.4.9	NRC Fees	-	-	-	-	-	3,166	-	317	3,483	-	-	-	-	-	-	-	-	-	3,592	1,292	4,884	
2b.4.10	Emergency Planning Fees	-	-	-	-	-	4,137	-	414	4,550	-	-	-	-	-	-	-	-	-	4,824	1,668	6,513	
2b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	1,620	-	243	1,863	-	-	-	-	-	-	-	-	-	1,889	661	2,550	
2b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	7,914	-	1,187	9,101	-	-	-	-	-	-	-	-	-	9,229	3,230	12,458	
2b.4.13	Spent Fuel Storage/Capital Equipment	-	-	-	-	-	43,531	-	6,546	50,077	-	-	-	-	-	-	-	-	-	50,878	17,807	68,685	
2b.4.14	ISFSI Operating Costs	-	-	-	-	-	1,591	-	239	1,830	-	-	-	-	-	-	-	-	-	1,855	649	2,505	
2b.4.15	ISFSI Fixed Costs	-	-	-	-	-	3,182	-	3,659	6,841	-	-	-	-	-	-	-	-	-	3,711	1,299	5,009	
2b.4.16	Security Staff Cost	-	-	-	-	-	9,138	-	1,371	10,509	-	-	-	-	-	-	-	-	-	10,656	3,730	14,385	
2b.4.17	DOC Staff Cost	-	-	-	-	-	20,442	-	3,096	23,538	-	-	-	-	-	-	-	-	-	23,837	8,343	32,181	
2b.4.18	Utility Staff Cost	-	-	-	-	-	48,746	-	7,312	56,058	-	-	-	-	-	-	-	-	-	56,842	19,995	76,737	
2b.4	Subtotal Period 2b Period-Dependent Costs	1,230	8,876	123	55	-	3,739	156,010	25,469	195,502	6,309	-	-	1,434	10,350	143	78	-	2,964	181,923	68,913	265,807	
2b.0	TOTAL PERIOD 2b COSTS	4,138	23,007	812	1,256	8,627	16,962	161,366	36,332	254,500	38,238	1,941	-	4,825	26,828	947	1,803	12,385	16,158	188,169	87,891	339,007	
Period 2c - Decommissioning Following Wet Fuel Storage																							
Period 2c Direct Decommissioning Activities																							
2c.1.1	Remove spent fuel racks	365	37	79	28	-	1,048	-	466	2,024	2,331	-	-	426	43	92	40	-	830	-	501	1,932	
Disposal of Plant Systems																							
2c.1.2.1	Electrical (Contaminated) - FHB	-	110	1	4	58	9	-	39	222	20	-	-	-	128	1	6	83	7	-	79	305	
2c.1.2.2	Electrical (Decontaminated) - FHB	-	681	8	37	555	-	-	260	1,541	-	-	-	-	794	9	53	797	-	-	579	2,232	
2c.1.2.3	Fire Protection (RCA)	-	147	-	8	121	-	-	56	334	-	-	-	-	171	2	11	174	-	-	126	495	
2c.1.2.4	HVAC (Contaminated) - FHB	-	213	5	18	239	65	-	109	649	135	-	-	-	248	8	28	343	54	-	914	614	
2c.1.2.5	Spent Fuel Pit Cooling	-	54	13	16	87	396	-	129	697	831	-	-	-	63	15	23	125	328	-	194	748	
2c.1.2.6	Spent Fuel Pit Cooling - FHB	-	75	14	18	93	426	-	143	768	592	-	-	-	87	16	26	134	353	-	216	832	
2c.1.2.7	Totals	-	1,281	43	100	1,154	896	-	737	4,211	1,879	-	-	-	1,494	50	144	1,657	743	-	1,430	5,517	
Decommissioning of Site Buildings																							
2c.1.3.1	Fuel Handling	526	525	21	33	154	697	-	598	2,554	1,567	-	-	613	612	24	47	221	547	-	723	2,789	
2c.1.3	Totals	526	525	21	33	154	697	-	598	2,554	1,567	-	-	613	612	24	47						

TABLE C-1
DIABLO CANYON POWER PLANT UNIT 1
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 1
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 10.61% from 2004 and 43.56% for LLRW from 2004; Revised Contingency to 35%; Revised Class A Burial Rate to \$248/yr)

ID	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site				Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
											A C/F	B C/F	C C/F	GTCC									
3e.4.2	Property taxes	-	-	-	-	-	-	29	3	32					-	-	-	-	-	-	34	12	46
3e.4.3	Heavy equipment rental	-	132	-	-	-	-	-	20	152					-	154	-	-	-	-	-	54	208
3e.4.4	Plant energy budget	-	-	-	-	-	-	16	2	18					-	-	-	-	-	-	19	7	25
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	-	41	-	41					-	-	-	-	-	-	48	-	48
3e.4.6	Security Staff Cost	-	-	-	-	-	-	83	12	95					-	-	-	-	-	-	97	34	131
3e.4.7	Utility Staff Cost	-	-	-	-	-	-	198	30	228					-	-	-	-	-	-	231	81	312
3e.4	Subtotal Period 3e Period-Dependent Costs	-	132	-	-	-	-	368	67	567					-	154	-	-	-	-	429	204	787
3e.0	TOTAL PERIOD 3e COST	-	792	6	70	-	2,197	1,126	905	5,096	4,881				-	924	7	100	-	1,742	1,313	1,430	5,516
PERIOD 3f - ISFSI Site Restoration																							
Period 3f Direct Decommissioning Activities																							
Period 3f Additional Costs																							
3f.2.1	ISFSI Demolition and Site Restoration	-	831	-	-	-	-	20	211	1,062					-	969	-	-	-	-	23	347	1,340
3f.2	Subtotal Period 3f Additional Costs	-	831	-	-	-	-	20	211	1,062					-	969	-	-	-	-	23	347	1,340
Period 3f Collateral Costs																							
3f.3.1	Small tool allowance	-	2	-	-	-	-	-	-	3					-	2	-	-	-	-	-	1	3
3f.3	Subtotal 3f Collateral Costs	-	2	-	-	-	-	-	-	3					-	2	-	-	-	-	-	1	3
Period 3f Period-Dependent Costs																							
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes	-	-	-	-	-	-	15	1	16					-	-	-	-	-	-	17	6	24
3f.4.3	Heavy equipment rental	-	44	-	-	-	-	-	7	50					-	51	-	-	-	-	-	18	69
3f.4.4	Plant energy budget	-	-	-	-	-	-	8	1	9					-	-	-	-	-	-	9	3	13
3f.4.5	NRC ISFSI Fees	-	-	-	-	-	-	21	-	21					-	-	-	-	-	-	24	-	24
3f.4.6	Security Staff Cost	-	-	-	-	-	-	42	6	48					-	-	-	-	-	-	49	17	66
3f.4.7	Utility Staff Cost	-	-	-	-	-	-	89	13	102					-	-	-	-	-	-	104	36	140
3f.4	Subtotal Period 3f Period-Dependent Costs	-	44	-	-	-	-	174	29	247					-	51	-	-	-	-	203	89	343
3f.0	TOTAL PERIOD 3f COST	-	877	-	-	-	-	195	240	1,311					-	1,023	-	-	-	-	227	438	1,688
PERIOD 3 TOTALS		-	21,730	172	70	-	11,644	17,464	7,871	58,951	4,881				-	25,339	201	100	-	15,304	20,365	21,458	82,767
TOTAL COST TO DECOMMISSION		9,877	74,195	13,165	6,512	30,195	80,606	337,667	102,819	654,635	117,820	11,625	574	433	11,818	86,519	18,362	8,831	43,348	81,629	393,753	224,262	885,012

a - indicates that this activity performed by decommissioning staff

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 16.19% from 2004 and 43.56% for LLRW from 2004. Revised Contingency to 35%. Revised Class A Burial Rate to \$248/ft)

ID	Activity Description	TABLE C-2 (2004 Dollars)								Burial site				TABLE C-2 (2009 Dollars)										
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	ACP	BCP	CCP	GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	
1b.1.1.16	Auxiliary building	-	-	-	-	-	-	115	17	132	-	-	-	-	-	-	-	-	-	-	134	47	180	
1b.1.1.17	Reactor building	-	-	-	-	-	-	115	17	132	-	-	-	-	-	-	-	-	-	-	134	47	180	
1b.1.1	Total	-	-	-	-	-	-	1,398	210	1,608	-	-	-	-	-	-	-	-	-	-	1,624	569	2,193	
1b.1.2	Decon primary loop	1,339	-	-	-	-	-	-	670	2,009	-	-	-	-	1,556	-	-	-	-	-	-	-	545	2,100
1b.1	Subtotal Period 1b Activity Costs	1,339	-	-	-	-	-	1,398	879	3,617	-	-	-	-	1,556	-	-	-	-	-	1,624	1,113	4,293	
Period 1b Additional Costs																								
1b.2.1	Site Characterization	-	-	-	-	-	-	936	281	1,216	-	-	-	-	-	-	-	-	-	-	1,088	381	1,468	
1b.2.2	Cofferdam Construction and Teardown	-	353	-	-	-	-	-	53	405	-	-	-	-	410	-	-	-	-	-	-	144	554	
1b.2.3	Hazardous Waste Management	-	-	-	-	-	-	577	87	663	-	-	-	-	-	-	-	-	-	-	670	235	905	
1b.2.4	Mixed Waste Management	-	-	-	-	-	-	577	87	663	-	-	-	-	-	-	-	-	-	-	670	235	905	
1b.2	Subtotal Period 1b Activity Costs	-	353	-	-	-	-	2,089	507	2,948	-	-	-	-	410	-	-	-	-	-	2,427	993	3,830	
Period 1b Collateral Costs																								
1b.3.1	Decon equipment	816	-	-	-	-	-	-	122	938	-	-	-	-	948	-	-	-	-	-	-	332	1,280	
1b.3.2	DOC staff relocation expenses	-	-	-	-	-	-	1,021	153	1,174	-	-	-	-	-	-	-	-	-	-	1,186	415	1,602	
1b.3.3	Process liquid waste	59	-	561	605	-	4,103	-	1,452	7,725	-	5,731	-	69	-	652	869	-	5,890	-	-	2,618	10,097	
1b.3.4	Small tool allowance	-	4	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	2	6	
1b.3.5	Pipe cutting equipment	-	957	-	-	-	-	-	-	1,100	-	-	-	-	1,112	-	-	-	-	-	-	389	1,501	
1b.3.6	Decon rig	1,243	-	-	-	-	-	-	-	1,430	-	-	-	-	1,444	-	-	-	-	-	-	505	1,950	
1b.3	Subtotal Period 1b Collateral Costs	2,118	961	561	605	-	5,103	1,021	2,058	12,427	-	5,731	-	2,461	1,117	652	869	-	7,326	1,186	4,764	18,374		
Period 1b Period-Dependent Costs																								
1b.4.1	Decon supplies	25	-	-	-	-	-	-	6	31	-	-	-	29	-	-	-	-	-	-	-	10	39	
1b.4.2	Insurance	-	-	-	-	-	-	788	77	844	-	-	-	-	-	-	-	-	-	-	892	312	1,205	
1b.4.3	Property taxes	-	-	-	-	-	-	44	4	48	-	-	-	-	-	-	-	-	-	-	51	18	69	
1b.4.4	Health physics supplies	-	214	-	-	-	-	-	54	268	-	-	-	-	249	-	-	-	-	-	-	87	336	
1b.4.5	Heavy equipment rental	-	192	-	-	-	-	-	29	221	-	-	-	-	223	-	-	-	-	-	-	78	301	
1b.4.6	Disposal of DAW generated	-	-	3	1	-	89	-	23	116	198	-	-	-	-	3	1	-	70	-	-	26	102	
1b.4.7	Plant energy budget	-	-	-	-	-	-	972	146	1,118	-	-	-	-	-	-	-	-	-	-	1,129	395	1,525	
1b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	63	3	63	-	-	-	-	-	-	-	-	-	-	73	26	99	
1b.4.9	NRC Fees	-	-	-	-	-	-	133	13	146	-	-	-	-	-	-	-	-	-	-	155	54	209	
1b.4.10	Emergency Planning Fees	-	-	-	-	-	-	550	55	605	-	-	-	-	-	-	-	-	-	-	639	224	863	
1b.4.11	Spent Fuel Pool O&M	-	-	-	-	-	-	434	65	499	-	-	-	-	-	-	-	-	-	-	504	176	681	
1b.4.12	ISFSI Operating Costs	-	-	-	-	-	-	63	9	72	-	-	-	-	-	-	-	-	-	-	73	26	99	
1b.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	125	19	144	-	-	-	-	-	-	-	-	-	-	145	51	196	
1b.4.14	Security Staff Cost	-	-	-	-	-	-	1,138	170	1,307	-	-	-	-	-	-	-	-	-	-	1,320	462	1,782	
1b.4.15	DOC Staff Cost	-	-	-	-	-	-	3,157	474	3,632	-	-	-	-	-	-	-	-	-	-	3,668	1,284	4,952	
1b.4.16	Utility Staff Cost	-	-	-	-	-	-	10,371	1,556	11,927	-	-	-	-	-	-	-	-	-	-	12,050	4,218	16,268	
1b.4	Subtotal Period 1b Period-Dependent Costs	25	406	3	1	-	89	17,816	2,700	21,040	-	-	-	29	472	3	1	-	128	20,700	7,467	28,801		
1b.0	TOTAL PERIOD 1b COST	3,483	1,719	564	606	-	5,192	22,325	6,144	40,033	198	5,731	-	4,047	1,997	655	870	-	7,396	25,939	14,317	55,222		
PERIOD 1 TOTALS		3,483	2,389	569	609	-	5,356	63,388	12,307	86,101	563	5,731	-	4,047	2,776	661	874	-	7,526	73,651	31,337	120,872		
PERIOD 2a - Large Component Removal																								
Period 2a Direct Decommissioning Activities																								
Nuclear Steam Supply System Removal																								
2a.1.1.1	Reactor Coolant Piping	247	222	25	38	-	1,377	-	532	2,441	2,141	-	287	258	29	55	-	-	1,357	-	695	2,681		
2a.1.1.2	Pressurizer Quench Tank	26	23	4	6	-	194	-	69	322	329	-	30	27	5	9	-	-	183	-	89	342		
2a.1.1.3	Reactor Coolant Pumps & Motors	97	79	43	41	119	4,301	-	1,172	5,852	5,000	-	113	92	50	59	171	-	4,728	-	1,824	7,036		
2a.1.1.4	Pressurizer	32	48	61	61	-	567	-	221	1,353	1,900	-	37	56	491	88	-	-	293	-	338	1,303		
2a.1.1.5	Steam Generators	336	3,152	2,238	686	2,283	6,495	112	3,283	18,544	17,719	-	390	3,662	2,568	956	3,277	4,198	130	-	5,324	20,536		
2a.1.1.6	Retired Steam Generator Units	-	-	1,824	659	2,255	6,495	112	2,280	13,604	17,342	-	-	-	2,119	946	3,237	4,307	130	-	3,759	14,498		
2a.1.1.7	CRDMs/CIS/Service Structure Removal	74	59	101	32	-	287	-	133	666	2,843	-	86	69	117	46	-	-	1,014	-	466	1,798		
2a.1.1.8	Reactor Vessel Internals	109	1,917	4,578	638	-	6,029	194	5,840	19,303	1,502	845	127	2,227	5,319	913	-	-	8,221	225	5,961	22,994		
2a.1.1.9	Reactor Vessel	81	3,631	1,298	474	-	6,540	194	7,506	21,724	6,418	2,379	94	4,219	1,508	680	-	-	10,404	225	5,996	23,126		
2a.1.1	Totals	1,003	9,131	10,532	2,613	4,657	34,266	612	20,995	83,810	55,092	3,224	574	1,165	10,609	12,237	3,751	6,686	33,252	711	23,944	92,356		
Removal of Major Equipment																								
2a.1.2	Main Turbine/Generator	-	420	213	60	758	1,111	-	527	3,088	2,443	-	-	488	247	86	1,068	888	-	-	979	3,777		
2a.1.3	Main Condensers	-	1,199	105	64	605	886	-	632	3,492	1,971	-	-	1,393	122	92	869	702	-	-	1,112	4,289		
Cascading Costs from Clean Building Demolition																								
2a.1.4.1	Reactor	-	1,071	-	-	-	-	-	161	1,232	-	-	-	-	1,244	-	-	-	-	-	-	436	1,680	
2a.1.4.2	Auxiliary	-	601	-	-	-	-	-	90	692	-	-	-	-	698	-	-	-	-	-	-	244	943	
2a.1.4.3	Containment Penetration Area	-	52	-	-	-	-	-	8	60	-	-	-	-	60	-	-	-	-	-	-	21	82	
2a.1.4.4	Radwaste Storage	-	65	-	-	-	-	-	10	75	-	-	-	-	76	-	-	-	-	-	-	26	102	
2a.1.4.5	Fuel Handling	-	140	-	-	-	-	-	21	161	-	-	-	-	163	-	-	-	-	-	-	57	220	
2a.1.4	Totals	-	1,929	-	-	-	-	-	289	2,219	-	-	-	-	2,241	-	-	-	-	-	-	784	3,026	
Disposal of Plant Systems																								
2a.1.5.1	Auxiliary Steam	-	100	3	12	188	-	-	55	359	-	-	-	-	116	3	17	270	-	-	-	142	549	
2a.1.5.2	Auxiliary Steam (RCA)	-	85	1	6	88	-	-	35	216	-	-	-	-	99	1	9	126	-	-	-	82	317	
2a.1.5.3	Bulkhead Services (Non-Power Block)	-	4	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	7	6	
2a.1.5.4	Condensate System	-	602	49	220	3,349	-	-	741	5,160	-	-	-	-	932	57	318	4,808	-	-	-	2,130	8,252	
2a.1.5.5	Condensate System (Insulated)	-	303	16	73	1,108	-	-	255	1,755	-	-	-	-	352	19	105	1,591	-	-	-	723	2,786	
2a.1.5.6	Containment Spray	-	142	8	34	514																		

NOTE: Totals may not sum due to rounding

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 16.19% from 2004 and 43.56% for LLRW from 2004; Revised Contingency to 35%; Revised Class A Burial Rate to \$248/td)

ID Number	Activity Description	2004 Dollars								Burial site				2009 Dollars											
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	A CPF	B CPF	C CPF	GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total		
2a.1.5.9	Feedwater System (Insulated)	-	106	9	41	-	-	-	16	121	-	-	-	-	-	123	10	59	-	-	-	-	67	260	
2a.1.5.10	Feedwater System (RCA Insulated)	-	72	2	10	147	-	-	42	271	-	-	-	-	-	84	2	14	211	-	-	-	109	420	
2a.1.5.11	Feedwater System (RCA)	-	3	-	1	8	-	-	2	14	-	-	-	-	-	3	2	1	11	-	-	-	6	22	
2a.1.5.12	NSSS Sampling System	-	99	2	3	6	77	-	46	234	-	-	-	-	-	115	2	4	9	64	-	-	68	262	
2a.1.5.13	NSSS Sampling System (Insulated)	-	29	-	-	-	9	-	10	49	-	-	-	-	-	34	-	-	-	7	-	-	14	55	
2a.1.5.14	Nitrogen & Hydrogen	-	13	-	-	-	-	-	2	14	-	-	-	-	-	15	-	-	-	-	-	-	5	20	
2a.1.5.15	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-	7	
2a.1.5.16	Nitrogen & Hydrogen (RCA Insulated)	-	3	-	-	1	-	-	1	5	-	-	-	-	-	3	-	1	-	-	-	-	2	1	
2a.1.5.17	Nitrogen & Hydrogen (RCA)	-	63	-	2	25	-	-	20	110	-	-	-	-	-	73	-	3	36	-	-	-	39	151	
2a.1.5.18	Oil/Water Separator & TB Sump	-	18	-	2	31	-	-	10	62	-	-	-	-	-	21	-	3	45	-	-	-	24	92	
2a.1.5.19	Saltwater System	-	120	-	-	-	-	-	18	138	-	-	-	-	-	139	-	-	-	-	-	-	49	188	
2a.1.5.20	Turbine Steam Supply	-	963	64	288	4,380	-	-	947	6,642	-	-	-	-	-	1,119	74	413	6,288	-	-	-	2,763	10,658	
2a.1.5.21	Turbine Steam Supply (RCA)	-	529	18	77	1,172	-	-	321	2,117	-	-	-	-	-	615	21	111	1,683	-	-	-	850	3,279	
2a.1.5.22	Turbine and Generator	-	93	3	16	236	-	-	62	412	-	-	-	-	-	108	3	23	342	-	-	-	167	543	
2a.1.5.23	Turbine and Generator (Insulated)	-	34	1	3	44	-	-	16	97	-	-	-	-	-	40	1	4	63	-	-	-	38	146	
2a.1.5	Totals	-	3,958	192	846	12,829	87	-	3,057	20,970	162	-	-	-	-	4,599	223	1,215	18,417	72	-	-	8,584	33,110	
2a.1.6	Scaffolding in support of decommissioning	-	3,549	16	8	111	34	-	915	4,634	76	-	-	-	-	4,124	19	11	159	27	-	-	1,519	5,859	
2a.1	Subtotal Period 2a Activity Costs	1,003	20,186	11,058	3,592	18,960	36,385	612	26,416	118,212	59,793	3,224	574	-	-	1,165	23,454	12,848	5,157	27,219	34,934	711	36,921	142,410	
Period 2a Collateral Costs																									
2a.2.1	Curie Surcharge	-	-	-	-	-	1,095	-	274	1,369	-	-	-	-	-	-	-	-	-	1,572	-	-	550	2,122	
2a.2.2	Old RPV Head	-	91	124	44	-	1,064	14	645	1,982	2,002	-	-	-	-	106	144	63	-	948	16	447	1,725	3,279	
2a.2	Subtotal Period 2a Additional Costs	-	91	124	44	-	2,160	14	919	3,351	2,002	-	-	-	-	106	144	63	-	2,522	16	998	1,725	3,849	
Period 2a Collateral Costs																									
2a.3.1	Process liquid waste	81	-	34	86	-	431	-	164	796	-	564	-	-	94	-	40	123	-	619	-	-	307	1,182	
2a.3.2	Small tool allowance	-	254	-	-	-	-	-	38	263	-	-	-	-	-	295	-	-	-	-	-	-	103	398	
2a.3	Subtotal Period 2a Collateral Costs	81	254	34	86	-	431	-	202	1,062	-	564	-	-	94	295	40	123	-	619	-	-	410	1,581	
Period 2a Period-Dependent Costs																									
2a.4.1	Decon supplies	76	-	-	-	-	-	-	19	95	-	-	-	-	88	-	-	-	-	-	-	-	31	119	
2a.4.2	Insurance	-	-	-	-	-	-	952	95	1,053	-	-	-	-	-	-	-	-	-	1,106	-	-	367	1,493	
2a.4.3	Property taxes	-	-	-	-	-	-	134	13	147	-	-	-	-	-	-	-	-	-	156	-	54	210	420	
2a.4.4	Health physics supplies	-	1,623	-	-	-	-	-	406	2,029	-	-	-	-	-	1,886	-	-	-	-	-	-	690	2,546	
2a.4.5	Heavy equipment rental	-	2,996	-	-	-	-	-	449	3,445	-	-	-	-	-	3,481	-	-	-	-	-	-	1,218	4,699	
2a.4.6	Disposal of DAW generated	-	-	74	33	-	2,241	-	572	2,820	4,979	-	-	-	-	86	47	-	1,777	-	-	-	1,628	5,700	
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,401	210	1,611	-	-	-	-	-	-	-	-	-	-	-	1,628	570	2,198	
2a.4.8	NRC ISFSI Fees	-	-	-	-	-	-	190	190	380	-	-	-	-	-	-	-	-	-	-	-	221	221	442	
2a.4.9	NRC Fees	-	-	-	-	-	-	498	50	548	-	-	-	-	-	-	-	-	-	-	-	579	203	781	
2a.4.10	Emergency Planning Fees	-	-	-	-	-	-	834	83	917	-	-	-	-	-	-	-	-	-	-	-	969	339	1,308	
2a.4.11	Spent Fuel Pool O&M	-	-	-	-	-	-	1,316	197	1,514	-	-	-	-	-	-	-	-	-	-	-	1,529	535	2,064	
2a.4.12	ISFSI Operating Costs	-	-	-	-	-	-	190	29	219	-	-	-	-	-	-	-	-	-	-	-	77	296		
2a.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	390	437	827	-	-	-	-	-	-	-	-	-	-	-	442	155	596	
2a.4.14	Security Staff Cost	-	-	-	-	-	-	4,300	645	4,945	-	-	-	-	-	-	-	-	-	-	-	4,996	1,749	6,745	
2a.4.15	DOC Staff Cost	-	-	-	-	-	-	18,338	2,451	18,789	-	-	-	-	-	-	-	-	-	-	-	18,983	6,644	25,627	
2a.4.16	Utility Staff Cost	-	-	-	-	-	-	28,942	4,341	33,283	-	-	-	-	-	-	-	-	-	-	-	33,628	11,770	45,397	
2a.4	Subtotal Period 2a Period-Dependent Costs	76	4,619	74	33	-	2,241	55,474	9,618	72,135	4,979	-	-	-	88	5,367	86	47	-	1,777	-	-	64,455	25,137	96,957
2a.0	TOTAL PERIOD 2a COSTS	1,160	25,150	11,290	3,755	18,960	41,216	58,100	37,156	194,766	66,773	3,788	574	-	1,348	29,222	13,118	5,391	27,219	39,850	65,183	63,465	244,795		
PERIOD 2b - Site Decontamination																									
Period 2b Direct Decommissioning Activities																									
Disposal of Plant Systems																									
2b.1.1	Capital Additions 85-2002 (clean)	-	634	-	-	-	-	-	95	730	-	-	-	-	-	737	-	-	-	-	-	-	258	994	
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	297	6	17	214	104	-	135	773	221	-	-	-	-	345	7	24	307	85	-	-	269	1,038	
2b.1.1.3	Chemical & Volume Control	537	633	33	44	302	894	-	705	3,147	2,011	-	-	624	735	38	63	434	702	-	-	909	3,505		
2b.1.1.4	Chemical & Volume Control (Insulated)	189	243	10	9	29	264	-	228	971	554	-	-	220	262	12	13	42	219	-	-	275	1,062		
2b.1.1.5	Component Cooling Water	-	124	-	-	-	-	-	19	143	-	-	-	-	-	144	-	-	-	-	-	59	195		
2b.1.1.6	Component Cooling Water (RCA)	-	357	10	43	656	-	-	195	1,262	-	-	-	-	-	415	12	62	942	-	-	500	1,830		
2b.1.1.7	Compressed Air	-	77	-	-	-	-	-	11	88	-	-	-	-	-	89	-	-	-	-	-	31	121		
2b.1.1.8	Compressed Air (Insulated)	-	4	-	-	-	-	-	1	5	-	-	-	-	-	5	-	-	-	-	-	2	6		
2b.1.1.9	Compressed Air (RCA Insulated)	-	17	-	1	8	-	-	32	52	-	-	-	-	-	20	-	1	11	-	-	11	44		
2b.1.1.10	Compressed Air (RCA)	-	317	2	10	159	-	-	105	593	-	-	-	-	-	368	2	14	228	-	-	215	828		
2b.1.1.11	Diesel Engine-Generator	-	74	-	-	-	-	-	11	85	-	-	-	-	-	86	-	-	-	-	-	30	116		
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	2	-	-	-	-	-	2	14	-	-	-	-	-	3	-	-	-	-	-	1	3		
2b.1.1.13	Electrical (Clean)	-	2,056	-	-	-	-	-	308	2,365	-	-	-	-											

NOTE: Totals may not sum due to rounding

Enclosure 3
PG&E Letter DCL-09-xxx

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-3
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 18.19% from 2004 and 43.56% for LLRW from 2004. Revised Contingency to 35%. Revised Class A Burial Rate to \$248/cf)

ID	Activity Description											Burial site													
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	ACP	B CP	CCP	GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total		
2b.1.1.30	Miscellaneous Reactor Coolant	14	78	2	3	22	56	-	45	221	123	-	-	16	91	2	4	32	45	-	66	256			
2b.1.1.31	Nuclear Steam Supply Sampling	-	12	1	-	2	12	-	7	34	26	-	-	-	14	1	-	3	10	-	10	37			
2b.1.1.32	Nuclear Steam Supply Sampling (Insulated)	-	5	-	-	1	5	-	3	14	11	-	-	-	6	-	-	1	4	-	4	15			
2b.1.1.33	Residual Heat Removal	221	183	33	43	228	1,046	-	462	2,216	2,193	-	-	257	213	38	62	327	867	-	617	2,381			
2b.1.1.34	Safety Injection	-	76	3	5	57	55	-	42	239	120	-	-	-	89	3	7	82	44	-	79	304			
2b.1.1.35	Safety Injection (Insulated)	-	3	-	-	2	3	-	2	11	7	-	-	-	3	-	-	3	2	-	3	12			
2b.1.1.36	Safety Injection (RCA Insulated)	-	23	1	2	17	30	-	16	89	63	-	-	-	27	1	3	24	25	-	28	106			
2b.1.1.37	Safety Injection (RCA)	-	194	10	17	152	269	-	142	785	585	-	-	-	225	12	24	218	223	-	246	948			
2b.1.1.38	Service Cooling Water	-	90	-	-	-	-	-	13	103	585	-	-	-	105	-	-	-	-	-	37	141			
2b.1.1.39	Service Cooling Water (RCA)	-	22	-	2	26	-	-	10	60	-	-	-	-	26	-	3	37	-	-	23	89			
2b.1.1.40	Sewer System Expansion	-	31	-	-	-	-	-	5	38	-	-	-	-	38	-	-	-	-	-	13	49			
2b.1.1	Totals	1,217	9,258	195	466	5,595	3,607	-	4,397	24,733	7,932	-	-	1,414	10,757	227	669	8,032	2,863	-	8,384	32,376			
2b.1.2	Scaffolding in support of decommissioning	-	4,436	20	10	139	43	-	144	5,792	96	-	-	-	5,154	23	14	200	34	-	1,899	7,324			
Decommissioning of Site Buildings																									
2b.1.3.1	Reactor	1,182	1,313	231	304	319	6,742	-	3,221	15,312	19,464	-	-	1,373	1,526	268	436	458	6,918	-	3,843	14,823			
2b.1.3.2	Auxiliary	826	464	59	86	174	2,168	-	1,124	4,831	4,852	-	-	960	574	69	123	250	1,709	-	1,289	4,573			
2b.1.3.2	Capital Additions 85-2002	264	100	13	18	22	470	-	282	1,168	1,049	-	-	307	116	15	26	32	371	-	303	1,170			
2b.1.3.3	Containment Penetration Area	204	145	15	24	90	537	-	291	1,306	1,204	-	-	237	168	17	34	129	423	-	353	1,362			
2b.1.3.2	Radwaste Storage	5	45	6	9	6	235	-	75	381	524	-	-	6	52	7	13	9	186	-	95	368			
2b.1.3	Totals	2,481	2,098	324	440	610	12,152	-	4,993	23,098	27,093	-	-	2,883	2,438	376	632	876	9,607	-	5,884	22,695			
2b.1	Subtotal Period 2b Activity Costs	3,698	15,792	539	916	6,344	15,802	-	10,534	53,624	35,120	-	-	4,297	18,349	626	1,315	9,107	12,524	-	16,176	62,395			
Period 2b Collateral Costs																									
2b.4.1	Process liquid waste	68	-	169	220	-	1,630	-	491	2,579	-	1,895	-	79	-	196	316	-	2,340	-	1,026	3,957			
2b.4.2	Small tool allowance	-	313	-	-	-	-	-	47	359	-	-	-	-	364	-	-	-	-	-	127	491			
2b.4.3	Spent Fuel Capital and Transfer	-	-	-	-	-	-	5,000	750	5,750	-	-	-	-	-	-	-	-	-	5,810	2,033	7,843			
2b.4.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	394	59	453	-	-	-	-	-	-	-	-	-	458	150	618			
2b.4	Subtotal Period 2a Collateral Costs	68	313	169	220	-	1,630	5,394	1,347	9,142	-	1,895	-	79	364	196	316	-	2,340	6,267	3,347	12,909			
Period 2b Period-Dependent Costs																									
2b.4.1	Decon supplies	1,630	-	-	-	-	-	-	408	2,038	-	-	-	1,894	-	-	-	-	-	-	663	2,557			
2b.4.2	Insurance	-	-	-	-	-	-	5,730	573	6,303	-	-	-	-	-	-	-	-	-	6,058	2,330	8,388			
2b.4.3	Property taxes	-	-	-	-	-	-	805	80	885	-	-	-	-	-	-	-	-	-	935	327	1,263			
2b.4.4	Health physics supplies	-	4,080	-	-	-	-	-	1,020	5,100	-	-	-	-	4,741	-	-	-	-	-	1,659	6,400			
2b.4.5	Heavy equipment rental	-	4,345	-	-	-	-	-	652	4,996	-	-	-	-	5,048	-	-	-	-	-	1,767	6,815			
2b.4.6	Disposal of DAW generated	-	-	111	49	-	3,365	-	860	4,384	8,309	-	-	-	-	129	70	-	2,427	-	919	3,545			
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,269	340	2,610	-	-	-	-	-	-	-	-	-	2,636	923	3,559			
2b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	1,143	1,143	2,286	-	-	-	-	-	-	-	-	-	1,328	1,328	4,328			
2b.4.9	NRC Fees	-	-	-	-	-	-	2,347	236	2,582	-	-	-	-	-	-	-	-	-	2,727	954	3,681			
2b.4.10	Emergency Planning Fees	-	-	-	-	-	-	2,973	297	3,270	-	-	-	-	-	-	-	-	-	3,454	1,209	4,663			
2b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	1,620	243	1,864	-	-	-	-	-	-	-	-	-	1,882	659	2,541			
2b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	7,923	9,112	17,035	-	-	-	-	-	-	-	-	-	9,206	3,222	12,428			
2b.4.13	Spent Fuel Storage/Capital Equipment	-	-	-	-	-	-	43,631	6,545	50,176	-	-	-	-	-	-	-	-	-	50,695	17,743	68,438			
2b.4.14	ISFSI Operating Costs	-	-	-	-	-	-	1,143	172	1,315	-	-	-	-	-	-	-	-	-	1,328	465	1,793			
2b.4.15	ISFSI Fixed Costs	-	-	-	-	-	-	2,287	343	2,630	-	-	-	-	-	-	-	-	-	2,657	930	3,587			
2b.4.16	Security Staff Cost	-	-	-	-	-	-	13,625	2,044	15,669	-	-	-	-	-	-	-	-	-	15,831	5,541	21,372			
2b.4.17	DOC Staff Cost	-	-	-	-	-	-	22,649	3,397	26,046	-	-	-	-	-	-	-	-	-	26,316	9,211	35,526			
2b.4.18	Utility Staff Cost	-	-	-	-	-	-	75,099	11,265	86,364	-	-	-	-	-	-	-	-	-	87,258	30,540	117,798			
2b.4	Subtotal Period 2b Period-Dependent Costs	1,630	8,425	111	49	-	3,365	183,245	29,661	226,486	8,309	-	-	1,894	9,789	129	70	-	2,427	212,912	79,527	306,749			
2b.0	TOTAL PERIOD 2b COSTS	5,396	24,529	819	1,186	6,344	20,796	188,639	41,453	289,252	42,597	1,895	-	6,270	28,500	952	1,703	9,107	17,530	219,160	99,134	362,376			
Period 2c - Decommissioning Following Wet Fuel Storage																									
Period 2c Direct Decommissioning Activities																									
2c.1.1	Remove spent fuel racks	365	37	79	28	-	1,048	-	466	2,024	2,331	-	-	424	43	92	40	-	830	-	500	1,929			
Disposal of Plant Systems																									
2c.1.2.1	Electrical (Contaminated) - FHB	-	66	1	2	34	6	-	23	132	12	-	-	-	77	1	3	49	5	-	47	182			
2c.1.2.2	Electrical (Decontaminated) - FHB	-	403	5	21	325	-	-	153	908	-	-	-	-	468	6	30	467	-	-	340	1,311			
2c.1.2.3	Fire Protection (RCA)	-	157	3	11	166	-	-	66	403	-	-	-	-	162	3	16	238	-	-	154	584			
2c.1.2.4	HVAC (Contaminated) - FHB	-	150	3	11	159	31	-	71	425	64	-	-	-	174	3	16	228	26	-	157	605			
2c.1.2.5	Spent Fuel Pit Cooling	-	56	13	17	89	398	-	131	703	834	-	-	-	65	15	24	128	330	-	197	759			
2c.1.2.6	Spent Fuel Pit Cooling - FHB	-	76	14	18	96	427	-	144	778	896	-	-	-	86	16	26	138	354	-	218	840			
2c.1.2.7	Totals	-	908	38	60	869	862	-	589	3,346	1,807	-	-	-	1,055	44	115	128	715	-	1,112	4,288			
Decommissioning of Site Buildings																									
2c.1.3.1	Fuel Handling	526	526	21	33	154	697	-	598	2,554	1,567	-	-	611	610	24	47	221	547	-	721	2,783			
2c.1.3	Totals	526	526	21	33	154	697	-	598	2,554	1,567	-	-	611	610	24	47	221	547	-	721	2,783			
2c.1.4	Scaffolding in support of decommissioning	-	887	4	2	28	9	-	229	1,158	19	-	-	-	1,031	5	3	40	7	-	380	1,466			
2c.1	Subtotal Period 2c Activity Costs	891	2,357	142	144	1,051	2,615	-	1,882	9,082	5,723	-	-	1,035	2,739	165	207	1,509	2,098	-	2,713	10,466			
Period 2c Collateral Costs																									
2c.3.1	Process liquid waste	33	-	16	41	-	233	-	82	405	-	269	-	38	-	19	59	-	334	-	158	606			
2c.3.2	Small tool allowance	-	52	-	-	-	-	-	8	60	-	-	-	-	60	-	-	-	-	-					

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 16.10% from 2004 and 43.56% for LLRW from 2004; Revised Contingency to 35%; Revised Class A Burial Rate to \$248/cf)

ID	Number	Activity Description	2004 Dollars							Burial site				2009 Dollars									
			Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	A CF	B CF	C CF	G/CC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency
2c.4.2	Insurance	-	-	-	-	-	-	261	26	288	-	-	-	-	-	-	-	-	-	-	303	106	409
2c.4.3	Property taxes	-	-	-	-	-	-	40	4	45	-	-	-	-	-	-	-	-	-	46	18	63	
2c.4.4	Health physics supplies	-	342	-	-	-	-	-	86	428	-	-	-	-	-	-	-	-	-	397	139	536	
2c.4.5	Heavy equipment rental	-	912	-	-	-	-	-	137	1,049	-	-	-	-	-	-	-	-	-	1,060	371	1,431	
2c.4.6	Disposal of DAW generated	-	-	26	12	-	796	-	203	1,037	1,769	-	-	-	-	-	-	-	-	-	237	916	
2c.4.7	Plant energy budget	-	-	-	-	-	-	179	27	206	-	-	-	-	-	-	-	-	-	-	208	73	
2c.4.8	NRC ISFSI Fees	-	-	-	-	-	-	57	-	57	-	-	-	-	-	-	-	-	-	-	66	66	
2c.4.9	NRC Fees	-	-	-	-	-	-	151	15	166	-	-	-	-	-	-	-	-	-	-	175	81	
2c.4.10	Emergency Planning Fees	-	-	-	-	-	-	149	15	164	-	-	-	-	-	-	-	-	-	-	173	234	
2c.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	130	19	149	-	-	-	-	-	-	-	-	-	-	151	53	
2c.4.12	ISFSI Operating Costs	-	-	-	-	-	-	57	9	66	-	-	-	-	-	-	-	-	-	-	66	23	
2c.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	115	17	132	-	-	-	-	-	-	-	-	-	-	134	47	
2c.4.14	Security Staff Cost	-	-	-	-	-	-	1,043	156	1,200	-	-	-	-	-	-	-	-	-	-	1,212	424	
2c.4.15	DOC Staff Cost	-	-	-	-	-	-	3,235	465	3,700	-	-	-	-	-	-	-	-	-	-	3,759	1,316	
2c.4.16	Utility Staff Cost	-	-	-	-	-	-	6,174	926	7,100	-	-	-	-	-	-	-	-	-	-	7,174	2,511	
2c.4	Subtotal Period 2c Period-Dependent Costs	184	1,254	26	12	-	796	11,583	2,172	16,036	1,769	-	-	-	214	1,457	30	17	-	631	13,470	5,537	21,356
2c.0	TOTAL PERIOD 2c COSTS	1,107	3,664	258	243	1,564	3,803	11,758	4,300	26,696	7,845	269	-	-	1,288	4,257	300	349	2,245	3,190	13,662	8,851	34,140
PERIOD 2e - License Termination																							
Period 2e Direct Decommissioning Activities																							
2e.1.1	ORISE confirmatory survey	-	-	-	-	-	-	119	36	155	-	-	-	-	-	-	-	-	-	-	138	48	187
2e.1.2	Terminate license	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2e.1	Subtotal Period 2e Activity Costs	-	-	-	-	-	-	119	36	155	-	-	-	-	-	-	-	-	-	-	138	48	187
Period 2e Additional Costs																							
2e.2.1	License Termination Survey	-	-	-	-	-	-	9,770	2,931	12,701	-	-	-	-	-	-	-	-	-	-	11,352	3,973	15,325
2e.2	Subtotal 2e Additional Costs	-	-	-	-	-	-	9,770	2,931	12,701	-	-	-	-	-	-	-	-	-	-	11,352	3,973	15,325
Period 2e Collateral Costs																							
2e.3.1	DOC Staff relocation expenses	-	-	-	-	-	-	1,021	153	1,174	-	-	-	-	-	-	-	-	-	-	1,186	415	1,602
2e.3	Subtotal 2e Collateral Costs	-	-	-	-	-	-	1,021	153	1,174	-	-	-	-	-	-	-	-	-	-	1,186	415	1,602
Period 2e Period-Dependent Costs																							
2e.4.1	Insurance	-	-	-	-	-	-	321	32	353	-	-	-	-	-	-	-	-	-	-	373	131	504
2e.4.2	Property taxes	-	-	-	-	-	-	66	7	72	-	-	-	-	-	-	-	-	-	-	77	27	104
2e.4.3	Health physics supplies	-	215	-	-	-	-	-	54	268	-	-	-	-	-	-	-	-	-	-	-	87	337
2e.4.4	Disposal of DAW generated	-	-	4	2	-	123	-	31	160	273	-	-	-	-	-	-	-	-	250	37	142	
2e.4.5	Plant energy budget	-	-	-	-	-	-	145	22	167	-	-	-	-	-	-	-	-	-	-	168	59	227
2e.4.6	NRC ISFSI Fees	-	-	-	-	-	-	93	-	93	-	-	-	-	-	-	-	-	-	-	108	-	108
2e.4.7	NRC Fees	-	-	-	-	-	-	245	25	270	-	-	-	-	-	-	-	-	-	-	285	100	384
2e.4.8	Emergency Planning Fees	-	-	-	-	-	-	243	24	267	-	-	-	-	-	-	-	-	-	-	282	99	381
2e.4.9	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	167	28	195	-	-	-	-	-	-	-	-	-	-	217	76	293
2e.4.10	ISFSI Operating Costs	-	-	-	-	-	-	93	14	107	-	-	-	-	-	-	-	-	-	-	108	38	146
2e.4.11	ISFSI Fixed Costs	-	-	-	-	-	-	187	28	215	-	-	-	-	-	-	-	-	-	-	217	78	295
2e.4.12	Security Staff Cost	-	-	-	-	-	-	930	140	1,070	-	-	-	-	-	-	-	-	-	-	1,081	378	1,459
2e.4.13	DOC Staff Cost	-	-	-	-	-	-	3,916	587	4,504	-	-	-	-	-	-	-	-	-	-	4,550	1,593	6,143
2e.4.14	Utility Staff Cost	-	-	-	-	-	-	5,716	857	6,574	-	-	-	-	-	-	-	-	-	-	6,841	2,324	8,966
2e.4	Subtotal Period 2e Period-Dependent Costs	-	215	4	2	-	123	12,144	1,849	14,336	273	-	-	-	250	5	3	-	-	98	14,110	5,063	19,528
2e.0	TOTAL PERIOD 2e COST	-	215	4	2	-	123	23,054	4,969	28,366	273	-	-	-	250	5	3	-	-	98	26,786	9,499	36,641
PERIOD 2 TOTAL		7,663	53,557	12,372	5,185	26,867	65,938	279,551	87,967	536,100	117,466	5,953	574	-	8,904	62,228	14,375	7,444	38,570	60,668	324,810	180,949	697,948
PERIOD 3b Restoration																							
Period 3b Direct Decommissioning Activities																							
Demolition of Remaining Site Buildings																							
3b.1.1.1	Reactor	-	6,052	-	-	-	-	-	914	7,006	-	-	-	-	7,078	-	-	-	-	-	-	2,477	9,556
3b.1.1.2	Administration	-	773	-	-	-	-	-	116	889	-	-	-	-	898	-	-	-	-	-	-	314	1,213
3b.1.1.3	Auxiliary	-	5,498	-	-	-	-	-	525	6,323	-	-	-	-	6,388	-	-	-	-	-	-	2,236	8,624
3b.1.1.4	Capital Additions BS-2004	-	3,499	-	-	-	-	-	525	4,024	-	-	-	-	4,065	-	-	-	-	-	-	1,423	5,488
3b.1.1.5	Chemical Storage	-	3	-	-	-	-	-	-	3	-	-	-	-	3	-	-	-	-	-	-	1	5
3b.1.1.6	Chlorination	-	7	-	-	-	-	-	1	8	-	-	-	-	8	-	-	-	-	-	-	3	11
3b.1.1.7	Circulating Water Tunnels	-	767	-	-	-	-	-	115	882	-	-	-	-	891	-	-	-	-	-	-	312	1,203
3b.1.1.8	Cold Machine Shop	-	288	-	-	-	-	-	43	331	-	-	-	-	335	-	-	-	-	-	-	117	452
3b.1.1.9	Communication	-	3	-	-	-	-	-	-	3	-	-	-	-	3	-	-	-	-	-	-	1	5
3b.1.1.10	Condensate Polishing/Technical Support	-	605	-	-	-	-	-	91	696	-	-	-	-	703	-	-	-	-	-	-	246	949
3b.1.1.11	Containment Penetration Area	-	489	-	-	-	-	-	73	563	-	-	-	-	568	-	-	-	-	-	-	199	767
3b.1.1.12	Discharge Structure	-	680	-	-	-	-	-	102	782	-	-	-	-	790	-	-	-	-	-	-	277	1,067
3b.1.1.13	Fabrication Shop	-	86	-	-	-	-	-	13	99	-	-	-	-	100	-	-	-	-	-	-	35	135
3b.1.1.14	Fire Pump House	-	4	-	-	-	-	-	1	4	-	-	-	-	5	-	-	-	-	-	-	2	6
3b.1.1.15	Hazardous Waste Storage Facility	-	1,780	-	-	-	-	-	267	2,047	-	-	-	-	2,069	-	-	-	-	-	-	724	2,792
3b.1.1.16	Intake Structure	-	3,868	-	-	-	-	-	583	4,471	-	-	-	-	4,517	-	-	-	-	-	-	1,581	6,099
3b.1.1.17	Maintenance Shop	-	266	-	-	-	-	-	40	306	-	-	-	-	309	-	-	-	-	-	-	108	417
3b.1.1.18	Miscellaneous Structures	-	47	-	-	-	-	-	7	54	-	-	-	-	55	-	-	-	-	-	-	19	74
3b.1.1.19	NPO Permanent Warehouse	-	978	-	-	-	-	-	147	1,125	-	-	-	-	1,136	-	-	-	-	-	-	398	1,534
3b.1.1.20	Ponds	-	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	0	2
3b.1.1.21	Portable Fire Pump & Fuel Cart	-	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	0	2
3b.1.1.22	Pretreatment	-	7	-	-	-	-	-	-	7	-	-	-	-	8	-	-	-	-	-	-	3	11
3b.1.1.23	Radwaste Storage</																						

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-3
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 16.19% from 2004 and 43.56% for LLRW from 2004. Revised Contingency to 35%. Revised Class A Burial Rate to \$248/yr.)

ID	Activity Description	Table C-2 (2004 Dollars)								Table C-3 (2009 Dollars)				Table C-3 (2009 Dollars)							
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total		
3b.1.1.27	Security Buildings (Additional)	-	36	-	-	-	-	-	5	41	-	-	-	-	-	-	-	15	56		
3b.1.1.28	Simulator	-	297	-	-	-	-	-	45	341	-	-	-	-	-	-	-	121	466		
3b.1.1.29	Steam Generator Storage Facility	-	653	-	-	-	-	-	98	751	-	-	-	-	-	-	-	266	1,024		
3b.1.1.30	Telephone Terminal	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	3		
3b.1.1.31	Turbine	-	4,364	-	-	-	-	-	145	5,042	-	-	-	-	-	-	-	1,763	6,877		
3b.1.1.32	Turbine Pedestal Vehicle Maintenance	-	958	-	-	-	-	-	4	1,113	-	-	-	-	-	-	-	384	1,518		
3b.1.1.33	Vehicle Maintenance	-	24	-	-	-	-	-	2	26	-	-	-	-	-	-	-	10	38		
3b.1.1.34	Waste Water Holding & Treatment Facility	-	16	-	-	-	-	-	4	19	-	-	-	-	-	-	-	7	25		
3b.1.1.35	Fuel Handling	-	1,347	-	-	-	-	-	202	1,549	-	-	-	-	-	-	-	548	2,113		
3b.1	Totals	-	35,618	-	-	-	-	-	5,343	40,961	-	-	-	-	-	-	-	14,485	55,869		
Site Closeout Activities																					
3b.1.2	Remove Rubble	-	21,295	-	-	-	-	-	3,194	24,490	-	-	-	-	-	-	-	8,660	33,403		
3b.1.3	Grade & landscape site	-	1,812	-	-	-	-	-	272	2,083	-	-	-	-	-	-	-	737	2,842		
3b.1.4	Final report to NRC	-	-	-	-	-	-	66	10	75	-	-	-	-	-	-	77	27	104		
3b.1.1	Subtotal Period 3b Activity Costs	-	58,725	-	-	-	-	-	8,819	67,610	-	-	-	-	-	-	-	23,881	92,114		
Period 3b Additional Cost																					
3b.2.1	Concrete Crushing	-	6,535	-	-	-	-	8	981	7,525	-	-	-	-	-	-	-	2,681	10,263		
3b.2.2	Breakwater Demolition and Removal	-	33,329	-	-	-	-	-	8,332	41,661	-	-	-	-	-	-	-	13,554	52,279		
3b.2	Subtotal Period 3b Additional Costs	-	39,864	-	-	-	-	8	9,314	49,186	-	-	-	-	-	-	9	16,215	62,542		
Period 3b Collateral Costs																					
3b.3.1	Small tool allowance	-	683	-	-	-	-	-	103	786	-	-	-	-	-	-	-	278	1,071		
3b.3	Subtotal 3b Collateral Costs	-	683	-	-	-	-	-	103	786	-	-	-	-	-	-	-	278	1,071		
Period 3b Period-Dependent Costs																					
3b.4.1	Insurance	-	-	-	-	-	-	575	57	632	-	-	-	-	-	-	-	668	902		
3b.4.2	Property taxes	-	-	-	-	-	-	161	18	199	-	-	-	-	-	-	210	74	284		
3b.4.3	Heavy equipment rental	-	5,531	-	-	-	-	-	830	6,361	-	-	-	-	-	-	6,426	2,248	8,678		
3b.4.4	Plant energy budget	-	-	-	-	-	-	199	30	229	-	-	-	-	-	-	-	81	312		
3b.4.5	NRC ISFSI Fees	-	-	-	-	-	-	257	257	514	-	-	-	-	-	-	-	299	783		
3b.4.6	Emergency Planning Fees	-	-	-	-	-	-	667	67	734	-	-	-	-	-	-	-	775	1,046		
3b.4.7	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	499	75	574	-	-	-	-	-	-	-	580	783		
3b.4.8	ISFSI Operating Costs	-	-	-	-	-	-	257	39	296	-	-	-	-	-	-	-	259	403		
3b.4.9	ISFSI Fixed Costs	-	-	-	-	-	-	513	77	590	-	-	-	-	-	-	-	596	805		
3b.4.10	Security Staff Cost	-	-	-	-	-	-	2,555	383	2,939	-	-	-	-	-	-	-	2,969	4,006		
3b.4.11	DOC Staff Cost	-	-	-	-	-	-	11,945	1,792	13,736	-	-	-	-	-	-	-	13,879	18,737		
3b.4.12	Utility Staff Cost	-	-	-	-	-	-	8,921	1,338	10,259	-	-	-	-	-	-	-	10,365	13,993		
3b.4	Subtotal Period 3b Period-Dependent Costs	-	5,531	-	-	-	-	26,569	4,705	36,805	-	-	-	-	-	-	-	30,871	50,351		
3b.0	TOTAL PERIOD 3b COST	-	104,804	-	-	-	-	26,643	22,940	154,387	-	-	-	-	-	-	-	30,957	206,183		
PERIOD 3c - Fuel Storage Operations/Shipping																					
Period 3c Direct Decommissioning Costs																					
Period 3c Period-Dependent Costs																					
3c.4.1	Insurance	-	-	-	-	-	-	144	14	155	-	-	-	-	-	-	-	167	226		
3c.4.2	Property taxes	-	-	-	-	-	-	44	4	49	-	-	-	-	-	-	-	51	69		
3c.4.3	Plant energy budget	-	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	73	73		
3c.4.4	NRC ISFSI Fees	-	-	-	-	-	-	164	16	180	-	-	-	-	-	-	-	191	257		
3c.4.5	Emergency Planning Fees	-	-	-	-	-	-	175	26	201	-	-	-	-	-	-	-	203	274		
3c.4.6	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	63	9	72	-	-	-	-	-	-	-	73	99		
3c.4.7	ISFSI Operating Costs	-	-	-	-	-	-	126	19	145	-	-	-	-	-	-	-	146	198		
3c.4.8	ISFSI Fixed Costs	-	-	-	-	-	-	126	19	145	-	-	-	-	-	-	-	146	198		
3c.4.9	Security Staff Cost	-	-	-	-	-	-	336	50	386	-	-	-	-	-	-	-	390	527		
3c.4.10	Utility Staff Cost	-	-	-	-	-	-	1,238	159	1,397	-	-	-	-	-	-	-	1,438	1,942		
3c.4	Subtotal Period 3c Period-Dependent Costs	-	-	-	-	-	-	1,238	159	1,397	-	-	-	-	-	-	-	1,438	1,942		
3c.0	TOTAL PERIOD 3c COST	-	-	-	-	-	-	1,238	159	1,397	-	-	-	-	-	-	-	1,438	1,942		
PERIOD 3d - GTCC shipping																					
Period 3d Direct Decommissioning Activities																					
Nuclear Steam Supply System Removal																					
3d.1.1.1	Vessel & Internals GTCC Disposal	-	-	167	-	-	9,447	-	1,434	11,048	-	-	-	-	13,562	-	-	4,815	18,571		
3d.1.1	Totals	-	-	167	-	-	9,447	-	1,434	11,048	-	-	-	-	13,562	-	-	4,815	18,571		
3d.1	Subtotal Period 3d Activity Costs	-	-	167	-	-	9,447	-	1,434	11,048	-	-	-	-	13,562	-	-	4,815	18,571		
Period 3d Period-Dependent Costs																					
3d.4.1	Insurance	-	-	-	-	-	-	11	1	12	-	-	-	-	-	-	-	13	17		
3d.4.2	Property taxes	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	3	5		
3d.4.3	Plant energy budget	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	6	6		
3d.4.4	NRC ISFSI Fees	-	-	-	-	-	-	12	1	14	-	-	-	-	-	-	-	14	19		
3d.4.5	Emergency Planning Fees	-	-	-	-	-	-	5	1	6	-	-	-	-	-	-	-	6	8		
3d.4.6	ISFSI Operating Costs	-	-	-	-	-	-	10	1	11	-	-	-	-	-	-	-	12	16		
3d.4.7	ISFSI Fixed Costs	-	-	-	-	-	-	10	1	11	-	-	-	-	-	-	-	12	16		
3d.4.8	Security Staff Cost	-	-	-	-	-	-	26	4	29	-	-	-	-	-	-	-	30	41		
3d.4.9	Utility Staff Cost	-	-	-	-	-	-	81	10	91	-	-	-	-	-	-	-	94	127		
3d.4	Subtotal Period 3d Period-Dependent Costs	-	-	-	-	-	-	81	10	91	-	-	-	-	-	-	-	94	127		
3d.0	TOTAL PERIOD 3d COST	-	-	167	-	-	9,447	81	1,444	11,139	-	-	-	-	13,562	94	-	4,848	18,698		
PERIOD 3e - ISFSI Decontamination																					

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2004 Dollars)

TABLE C-2
DIABLO CANYON POWER PLANT UNIT 2
DECON DECOMMISSIONING COST ESTIMATE
(Thousands of 2009 Dollars)

(Escalated @ 16.19% from 2004 and 43.56% for LLRW from 2004. Revised Contingency to 35%. Revised Class A Burial Rate to \$248/cf)

ID	Activity Description	TABLE C-2								Burial site				TABLE C-2									
		Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	A CP	B CP	C CP	GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
Period 3e Direct Decommissioning Activities																							
Period 3e Additional Costs																							
3e.2.1	ISFSI License Termination	-	651	6	70	-	2,197	758	837	4,518	4,881	-	-	-	-	756	7	100	-	1,742	881	1,220	4,707
3e.2	Subtotal Period 3e Additional Costs	-	651	6	70	-	2,197	758	837	4,518	4,881	-	-	-	-	756	7	100	-	1,742	881	1,220	4,707
Period 3e Collateral Costs																							
3e.3.1	Small tool allowance	-	8	-	-	-	-	-	1	10	-	-	-	-	9	-	-	-	-	-	-	3	13
3e.3	Subtotal 3e Collateral Costs	-	8	-	-	-	-	-	1	10	-	-	-	-	9	-	-	-	-	-	-	3	13
Period 3e Period-Dependent Costs																							
3e.4.1	Insurance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3e.4.2	Property taxes	-	-	-	-	-	29	-	3	32	-	-	-	-	-	153	-	-	-	-	34	12	45
3e.4.3	Heavy equipment rental	-	132	-	-	-	-	-	20	152	-	-	-	-	-	-	-	-	-	-	-	54	207
3e.4.4	Plant energy budget	-	-	-	-	-	16	-	2	18	-	-	-	-	-	-	-	-	-	-	19	7	25
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	41	-	41	41	-	-	-	-	-	-	-	-	-	-	48	-	48
3e.4.6	Security Staff Cost	-	-	-	-	-	83	-	12	95	-	-	-	-	-	-	-	-	-	-	96	34	130
3e.4.7	Utility Staff Cost	-	-	-	-	-	198	-	30	228	-	-	-	-	-	-	-	-	-	-	230	81	311
3e.4	Subtotal Period 3e Period-Dependent Costs	-	132	-	-	-	368	-	67	567	-	-	-	-	-	153	-	-	-	-	428	203	784
3e.0	TOTAL PERIOD 3e COST	-	792	6	70	-	2,197	1,126	905	5,095	4,881	-	-	-	-	920	7	100	-	1,742	1,308	1,427	5,505
PERIOD 3f - ISFSI Site Restoration																							
Period 3f Direct Decommissioning Activities																							
Period 3f Additional Costs																							
3f.2.1	ISFSI Demolition and Site Restoration	-	831	-	-	-	-	20	211	1,062	-	-	-	-	-	966	-	-	-	-	23	346	1,335
3f.2	Subtotal Period 3f Additional Costs	-	831	-	-	-	-	20	211	1,062	-	-	-	-	-	966	-	-	-	-	23	346	1,335
Period 3f Collateral Costs																							
3f.3.1	Small tool allowance	-	2	-	-	-	-	-	-	3	-	-	-	-	-	2	-	-	-	-	-	1	3
3f.3	Subtotal 3f Collateral Costs	-	2	-	-	-	-	-	-	3	-	-	-	-	-	2	-	-	-	-	-	1	3
Period 3f Period-Dependent Costs																							
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes	-	-	-	-	-	15	-	1	16	-	-	-	-	-	51	-	-	-	-	17	6	24
3f.4.3	Heavy equipment rental	-	44	-	-	-	-	-	7	50	-	-	-	-	-	-	-	-	-	-	9	18	69
3f.4.4	Plant energy budget	-	-	-	-	-	8	-	1	9	-	-	-	-	-	-	-	-	-	-	24	3	13
3f.4.5	NRC ISFSI Fees	-	-	-	-	-	21	-	21	21	-	-	-	-	-	-	-	-	-	-	49	17	66
3f.4.6	Security Staff Cost	-	-	-	-	-	42	-	6	48	-	-	-	-	-	-	-	-	-	-	103	36	140
3f.4.7	Utility Staff Cost	-	-	-	-	-	89	-	13	102	-	-	-	-	-	51	-	-	-	-	202	89	342
3f.4	Subtotal Period 3f Period-Dependent Costs	-	44	-	-	-	174	-	29	247	-	-	-	-	-	51	-	-	-	-	202	89	342
3f.0	TOTAL PERIOD 3f COST	-	877	-	-	-	-	195	240	1,311	-	-	-	-	-	1,019	-	-	-	-	227	436	1,682
PERIOD 3 TOTALS																							
TOTAL COST TO DECOMMISSION																							
		11,146	162,418	13,113	5,864	26,867	82,938	372,221	125,961	800,529	122,932	11,693	574	433	12,951	188,713	15,236	8,418	38,570	83,498	432,484	272,954	1,052,824

a - indicates that this activity performed by decommissioning staff