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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 DCPP 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 2024	4.23 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	$ 679.5
Total Unit 2 (Decommission 2025)	$ 1,052.8
Scope Excluded from NRC calculations	$ 331.9
Total NRC Decommissioning Costs	$ 720.9

Nuclear Regulatory Commission
Estimate of Decommission Costs for PWR DCPP 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=1200MWt $75+0.0088P)

Nuclear Regulatory Commission
Estimate of Decommission Costs for PWR DCPP 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)
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=1200MWt $75+0.0088P)

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)
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
E (Energy)	1.0000	0.8499	1.0297	1.1850	0.9909	1.2027	1.2164	1.4656	1.8306	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

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
	1.0000	1.1260	3.5748	3.6874	3.7458	3.8628	4.3031	4.4505	4.6044	4.7224	5.0538	5.1504

(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

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: CIU2010000000240I (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: CIU2010000000240I (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: CIU2010000000240I (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: CIU2010000000240I (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: CIU2010000000240I (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: CIU2010000000240I (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: CIU2010000000240I (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.

Note: Totals may not sum due to rounding

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

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
PERIOD 1a - Shutdown through Transition										
Period 1a Direct Decommissioning Activities										
1a.1.1	Prepare preliminary decommissioning cost	-	-	-	-	-	-	128	19	147
1a.1.2	Notification of Cessation of Operations	-	-	-	-	-	-	-	-	a
1a.1.3	Remove fuel & source material	-	-	-	-	-	-	-	-	n/a
1a.1.4	Notification of Permanent Defueling	-	-	-	-	-	-	-	-	a
1a.1.5	Deactivate plant systems & process waste	-	-	-	-	-	-	-	-	a
1a.1.6	Prepare and submit PSDAR	-	-	-	-	-	-	197	30	226
1a.1.7	Review plant dwgs & specs.	-	-	-	-	-	-	453	68	520
1a.1.8	Perform detailed rad survey	-	-	-	-	-	-	-	-	a
1a.1.9	Estimate by-product inventory	-	-	-	-	-	-	98	15	113
1a.1.10	End product description	-	-	-	-	-	-	98	15	113
1a.1.11	Detailed by-product inventory	-	-	-	-	-	-	128	19	147
1a.1.12	Define major work sequence	-	-	-	-	-	-	738	111	849
1a.1.13	Perform SER and EA	-	-	-	-	-	-	305	46	351
1a.1.14	Perform Site-Specific Cost Study	-	-	-	-	-	-	492	74	566
1a.1.15	Prepare/submit License Termination Plan	-	-	-	-	-	-	403	60	463
1a.1.16	Receive NRC approval of termination plan	-	-	-	-	-	-	-	-	a
Activity Specifications										
1a.1.17.1	Plant & temporary facilities	-	-	-	-	-	-	484	73	557
1a.1.17.2	Plant systems	-	-	-	-	-	-	410	61	471
1a.1.17.3	NSSS Decontamination Flush	-	-	-	-	-	-	49	7	57
1a.1.17.4	Reactor internals	-	-	-	-	-	-	698	105	803
1a.1.17.5	Reactor vessel	-	-	-	-	-	-	639	96	735
1a.1.17.6	Biological shield	-	-	-	-	-	-	49	7	57
1a.1.17.7	Steam generators	-	-	-	-	-	-	307	46	353
1a.1.17.8	Reinforced concrete	-	-	-	-	-	-	157	24	181
1a.1.17.9	Main Turbine	-	-	-	-	-	-	39	6	45
1a.1.17.10	Main Condensers	-	-	-	-	-	-	39	6	45
1a.1.17.11	Plant structures & buildings	-	-	-	-	-	-	307	46	353
1a.1.17.12	Waste management	-	-	-	-	-	-	453	68	520
1a.1.17.13	Facility & site closeout							89	13	102
1a.1.17	Total	-	-	-	-	-	-	3,721	558	4,280
Planning & Site Preparations										
1a.1.18	Prepare dismantling sequence	-	-	-	-	-	-	236	35	272
1a.1.19	Plant prep. & temp. svces	-	-	-	-	-	-	2,419	363	2,782
1a.1.20	Design water clean-up system	-	-	-	-	-	-	138	21	158
1a.1.21	Rigging/Cont.Cntrl Envlps/tooling/etc.	-	-	-	-	-	-	2,048	307	2,355
1a.1.22	Procure casks/liners & containers	-	-	-	-	-	-	121	18	139
1a.1	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	11,723	1,758	12,970
Period 1a Additional Costs										
1a.2.1	Spent Fuel Pool Isolation	-	-	-	-	-	-	7,883	1,182	9,066
1a.2	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	7,883	1,182	9,066
Period 1a Period-Dependent Costs										
1a.4.1	Insurance	-	-	-	-	-	-	1,531	153	1,684
1a.4.2	Property taxes	-	-	-	-	-	-	88	9	97
1a.4.3	Health physics supplies	-	287	-	-	-	-	-	72	359
1a.4.4	Heavy equipment rental	-	383	-	-	-	-	-	57	440
1a.4.5	Disposal of DAW generated	-	-	5	2	-	164	-	42	214
1a.4.6	Plant energy budget	-	-	-	-	-	-	970	145	1,115
1a.4.7	NRC Fees	-	-	-	-	-	-	265	27	292
1a.4.8	Emergency Planning Fees	-	-	-	-	-	-	1,097	110	1,206
1a.4.9	Spent Fuel Pool O&M	-	-	-	-	-	-	866	130	995
1a.4.10	Security Staff Cost	-	-	-	-	-	-	1,043	156	1,199
1a.4.11	Utility Staff Cost	-	-	-	-	-	-	26,477	3,972	30,449
1a.4	Subtotal 1a.4 Period-Dependent Costs	-	670	5	2	-	164	32,336	4,873	38,051
1a.0	TOTAL PERIOD 1a COST	-	670	5	2	-	164	51,942	7,813	60,597
Period 1b Direct Decommissioning Activities										
Detailed Work Procedures										
1b.1.1.1	Plant systems	-	-	-	-	-	-	466	70	535
1b.1.1.2	NSSS Decontamination Flush	-	-	-	-	-	-	98	15	113
1b.1.1.3	Reactor internals	-	-	-	-	-	-	246	37	283
1b.1.1.4	Remaining buildings	-	-	-	-	-	-	133	20	153
1b.1.1.5	CRD cooling assembly	-	-	-	-	-	-	98	15	113
1b.1.1.6	CRD housings & ICI tubes	-	-	-	-	-	-	98	15	113
1b.1.1.7	Incore instrumentation	-	-	-	-	-	-	98	15	113
1b.1.1.8	Reactor vessel	-	-	-	-	-	-	357	54	411
1b.1.1.9	Facility closeout	-	-	-	-	-	-	118	18	136
1b.1.1.10	Missile shields	-	-	-	-	-	-	44	7	51
1b.1.1.11	Biological shield	-	-	-	-	-	-	118	18	136
1b.1.1.12	Steam generators	-	-	-	-	-	-	453	68	520
1b.1.1.13	Reinforced concrete	-	-	-	-	-	-	98	15	113
1b.1.1.14	Main Turbine	-	-	-	-	-	-	153	23	176
1b.1.1.15	Main Condenser	-	-	-	-	-	-	153	23	176
1b.1.1.16	Auxiliary building	-	-	-	-	-	-	269	40	309
1b.1.1.17	Reactor building	-	-	-	-	-	-	269	40	309
1b.1.1	Total	-	-	-	-	-	-	3,270	491	3,761
1b.1.2	Decon primary loop	1,330	-	-	-	-	-	-	665	1,995
1b.1	Subtotal Period 1b Activity Costs	1,330	-	-	-	-	-	3,270	1,156	5,756
Period 1b Additional Costs										
1b.2.1	Site Characterization	-	-	-	-	-	-	936	281	1,216
1b.2.2	Cofferdam Construction and Teardown	-	353	-	-	-	-	-	53	405
1b.2.3	Hazardous Waste Management	-	-	-	-	-	-	577	87	663
1b.2.4	Mixed Waste Management	-	-	-	-	-	-	577	87	663
1b.2	Subtotal Period 1b Activity Costs	-	353	-	-	-	-	2,089	507	2,948
Period 1b Collateral Costs										
1b.3.1	Decon equipment	816	-	-	-	-	-	-	122	938
1b.3.2	DOC staff relocation expenses	-	-	-	-	-	-	1,021	153	1,174
1b.3.3	Process liquid waste	59	-	557	601	-	5,067	-	1,442	7,725
1b.3.4	Small tool allowance	-	4	-	-	-	-	1	-	5
1b.3.5	Pipe cutting equipment	-	957	-	-	-	-	-	143	1,100
1b.3.6	Decon rig	1,243	-	-	-	-	-	-	186	1,430
1b.3	Subtotal Period 1b Collateral Costs	2,118	961	557	601	-	5,067	1,021	2,048	12,372
Period 1b Period-Dependent Costs										
1b.4.1	Decon supplies	25	-	-	-	-	-	-	6	31
1b.4.2	Insurance	-	-	-	-	-	-	772	77	849
1b.4.3	Property taxes	-	-	-	-	-	-	44	4	49
1b.4.4	Health physics supplies	-	215	-	-	-	-	-	54	269
1b.4.5	Heavy equipment rental	-	193	-	-	-	-	-	29	222
1b.4.6	Disposal of DAW generated	-	-	3	1	-	90	-	23	117
1b.4.7	Plant energy budget	-	-	-	-	-	-	978	14	1,124
1b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	28	-	28
1b.4.9	NRC Fees	-	-	-	-	-	-	134	13	147
1b.4.10	Emergency Planning Fees	-	-	-	-	-	-	563	55	618
1b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	114	17	131
1b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	436	65	502
1b.4.13	ISFSI Operating Costs	-	-	-	-	-	-	28	4	33

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/cf.)

ID Number	Activity Description	Burial site: A CF	B CF	C CF	GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
PERIOD 1a - Shutdown through Transition														
Period 1a Direct Decommissioning Activities														
1a.1.1	Prepare preliminary decommissioning cost					-	-	-	-	-	-	149	52	202
1a.1.2	Notification of Cessation of Operations					-	-	-	-	-	-	-	-	a
1a.1.3	Remove fuel & source material					-	-	-	-	-	-	-	-	n/a
1a.1.4	Notification of Permanent Defueling					-	-	-	-	-	-	-	-	a
1a.1.5	Deactivate plant systems & process waste					-	-	-	-	-	-	-	-	a
1a.1.6	Prepare and submit PSDAR					-	-	-	-	-	-	230	80	310
1a.1.7	Review plant dwgs & specs.					-	-	-	-	-	-	528	185	713
1a.1.8	Perform detailed rad survey					-	-	-	-	-	-	-	-	-
1a.1.9	Estimate by-product inventory					-	-	-	-	-	-	114	40	154
1a.1.10	End product description					-	-	-	-	-	-	114	40	154
1a.1.11	Detailed by-product inventory					-	-	-	-	-	-	149	52	202
1a.1.12	Define major work sequence					-	-	-	-	-	-	861	301	1,162
1a.1.13	Perform SER and EA					-	-	-	-	-	-	356	124	480
1a.1.14	Perform Site-Specific Cost Study					-	-	-	-	-	-	574	201	775
1a.1.15	Prepare/submit License Termination Plan					-	-	-	-	-	-	470	164	634
1a.1.16	Receive NRC approval of termination plan					-	-	-	-	-	-	-	-	a
Activity Specifications														
1a.1.17.1	Plant & temporary facilities					-	-	-	-	-	-	564	198	762
1a.1.17.2	Plant systems					-	-	-	-	-	-	478	167	645
1a.1.17.3	NSSS Decontamination Flush					-	-	-	-	-	-	57	20	77
1a.1.17.4	Reactor internals					-	-	-	-	-	-	814	285	1,099
1a.1.17.5	Reactor vessel					-	-	-	-	-	-	745	261	1,006
1a.1.17.6	Biological shield					-	-	-	-	-	-	57	20	77
1a.1.17.7	Steam generators					-	-	-	-	-	-	358	125	483
1a.1.17.8	Reinforced concrete					-	-	-	-	-	-	183	64	247
1a.1.17.9	Main Turbine					-	-	-	-	-	-	45	16	61
1a.1.17.10	Main Condensers					-	-	-	-	-	-	45	16	61
1a.1.17.11	Plant structures & buildings					-	-	-	-	-	-	358	125	483
1a.1.17.12	Waste management					-	-	-	-	-	-	528	185	713
1a.1.17.13	Facility & site closeout											104	36	140
1a.1.17	Total					-	-	-	-	-	-	4,339	1,519	5,858
Planning & Site Preparations														
1a.1.18	Prepare dismantling sequence					-	-	-	-	-	-	275	96	372
1a.1.19	Plant prep. & temp. svces					-	-	-	-	-	-	2,821	987	3,808
1a.1.20	Design water clean-up system					-	-	-	-	-	-	161	56	217
1a.1.21	Rigging/Cont.Cntrl Envlps/tooling/etc.					-	-	-	-	-	-	2,388	836	3,224
1a.1.22	Procure casks/liners & containers					-	-	-	-	-	-	141	49	190
1a.1	Subtotal Period 1a Activity Costs					-	-	-	-	-	-	13,670	4,785	18,455
Period 1a Additional Costs														
1a.2.1	Spent Fuel Pool Isolation					-	-	-	-	-	-	9,192	3,217	12,410
1a.2	Subtotal Period 1a Activity Costs					-	-	-	-	-	-	9,192	3,217	12,410
Period 1a Period-Dependent Costs														
1a.4.1	Insurance					-	-	-	-	-	-	1,785	625	2,410
1a.4.2	Property taxes					-	-	-	-	-	-	103	36	139
1a.4.3	Health physics supplies					-	335	-	-	-	-	-	117	452
1a.4.4	Heavy equipment rental					-	447	-	-	-	-	-	156	603
1a.4.5	Disposal of DAW generated	365				-	-	6	3	-	130	-	48	187
1a.4.6	Plant energy budget					-	-	-	-	-	-	1,131	396	1,527
1a.4.7	NRC Fees					-	-	-	-	-	-	309	108	417
1a.4.8	Emergency Planning Fees					-	-	-	-	-	-	1,279	448	1,727
1a.4.9	Spent Fuel Pool O&M					-	-	-	-	-	-	1,010	353	1,363
1a.4.10	Security Staff Cost					-	-	-	-	-	-	1,216	426	1,642
1a.4.11	Utility Staff Cost					-	-	-	-	-	-	30,875	10,806	41,681
1a.4	Subtotal 1a.4 Period-Dependent Costs	365				-	781	6	3	-	130	37,707	13,519	52,146
1a.0	TOTAL PERIOD 1a COST	365				-	781	6	3	-	130	60,570	21,521	83,011
Period 1b Direct Decommissioning Activities														
Detailed Work Procedures														
1b.1.1.1	Plant systems					-	-	-	-	-	-	543	190	734
1b.1.1.2	NSSS Decontamination Flush					-	-	-	-	-	-	114	40	154
1b.1.1.3	Reactor internals					-	-	-	-	-	-	287	100	387
1b.1.1.4	Remaining buildings					-	-	-	-	-	-	155	54	209
1b.1.1.5	CRD cooling assembly					-	-	-	-	-	-	114	40	154
1b.1.1.6	CRD housings & ICI tubes					-	-	-	-	-	-	114	40	154
1b.1.1.7	Incore instrumentation					-	-	-	-	-	-	114	40	154
1b.1.1.8	Reactor vessel					-	-	-	-	-	-	416	146	562
1b.1.1.9	Facility closeout					-	-	-	-	-	-	138	48	186
1b.1.1.10	Missile shields					-	-	-	-	-	-	51	18	69
1b.1.1.11	Biological shield					-	-	-	-	-	-	138	48	186
1b.1.1.12	Steam generators					-	-	-	-	-	-	528	185	713
1b.1.1.13	Reinforced concrete					-	-	-	-	-	-	114	40	154
1b.1.1.14	Main Turbine					-	-	-	-	-	-	178	62	241
1b.1.1.15	Main Condenser					-	-	-	-	-	-	178	62	241
1b.1.1.16	Auxiliary building					-	-	-	-	-	-	314	110	423
1b.1.1.17	Reactor building					-	-	-	-	-	-	314	110	423
1b.1.1	Total					-	-	-	-	-	-	3,813	1,335	5,148
1b.1.2	Decon primary loop					1,551	-	-	-	-	-	-	543	2,094
1b.1	Subtotal Period 1b Activity Costs					1,551	-	-	-	-	-	3,813	1,877	7,241
Period 1b Additional Costs														
1b.2.1	Site Characterization					-	-	-	-	-	-	1,091	382	1,473
1b.2.2	Cofferdam Construction and Teardown					-	412	-	-	-	-	-	144	556
1b.2.3	Hazardous Waste Management					-	-	-	-	-	-	673	235	908
1b.2.4	Mixed Waste Management					-	-	-	-	-	-	673	235	908
1b.2	Subtotal Period 1b Activity Costs					-	412	-	-	-	-	2,436	997	3,844
Period 1b Collateral Costs														
1b.3.1	Decon equipment					952	-	-	-	-	-	-	333	1,285
1b.3.2	DOC staff relocation expenses					-	-	-	-	-	-	1,191	417	1,607
1b.3.3	Process liquid waste	5,690				69	-	650	863	-	7,274	-	3,099	11,955
1b.3.4	Small tool allowance					-	5	-	-	-	-	-	2	6
1b.3.5	Pipe cutting equipment					-	1,116	-	-	-	-	-	391	1,507
1b.3.6	Decon rig					1,449	-	-	-	-	-	-	507	1,957
1b.3	Subtotal Period 1b Collateral Costs	5,690				2,470	1,121	650	863	-	7,274	1,191	4,749	18,316
Period 1b Period-Dependent Costs														
1b.4.1	Decon supplies					29	-	-	-	-	-	-	10	39
1b.4.2	Insurance					-	-	-	-	-	-	900	315	1,215
1b.4.3	Property taxes					-	-	-	-	-	-	51	18	69
1b.4.4	Health physics supplies					-	251	-	-	-	-	-	88	338
1b.4.5	Heavy equipment rental					-	225	-	-	-	-	-	79	304
1b.4.6	Disposal of DAW generated	199				-	-	3	1	-	72	-	27	103
1b.4.7	Plant energy budget					-	-	-	-	-	-	1,140	399	1,540
1b.4.8	NRC ISFSI Fees					-	-	-	-	-	-	33	-	33
1b.4.9	NRC Fees					-	-	-	-	-	-	156	55	211
1b.4.10	Emergency Planning Fees					-	-	-	-	-	-	645	226	871
1b.4.11	Spent Fuel Transfer - ISFSI to DOE					-	-	-	-	-	-	133	47	179
1b.4.12	Spent Fuel Pool O&M					-	-	-	-	-	-	508	178	686
1b.4.13	ISFSI Operating Costs					-	-	-	-	-	-	33	11	44

Note: Totals may not sum due to rounding

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

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
1b.4.14	ISFSI Fixed Costs	-	-	-	-	-	-	57	9	65				
1b.4.15	Security Staff Cost	-	-	-	-	-	-	526	79	605				
1b.4.16	DOC Staff Cost	-	-	-	-	-	-	4,387	658	5,045				
1b.4.17	Utility Staff Cost	-	-	-	-	-	-	13,416	2,012	15,428				
1b.4	Subtotal Period 1b Period-Dependent Costs	25	408	3	1	-	90	21,473	3,253	25,253	199			
1b.0	TOTAL PERIOD 1b COST	3,473	1,721	560	602		5,156	27,854	6,964	46,330	199	5,690		
PERIOD 1 TOTALS		3,473	2,391	565	605		5,320	79,796	14,777	106,927	564	5,690		
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			
2a.1.1.2	Pressurizer Quench Tank	26	23	4	6	-	194	-	69	322	329			
2a.1.1.3	Reactor Coolant Pumps & Motors	97	79	43	41	119	4,301	-	1,172	5,852	5,000			
2a.1.1.4	Pressurizer	32	48	423	61	-	567	-	221	1,353	1,800			
2a.1.1.5	Steam Generators	336	3,152	2,236	666	2,283	6,495	112	3,263	18,544	17,719			
2a.1.1.6	Retired Steam Generator Units	-	-	1,824	659	2,255	6,495	112	2,260	13,604	17,342			
2a.1.1.7	CRDMs/Cis/Service Structure Removal	74	59	101	32	-	267	-	133	666	2,843			
2a.1.1.8	Reactor Vessel Internals	117	1,946	4,623	666	-	6,127	198	5,934	19,612	1,753	845	574	
2a.1.1.9	Reactor Vessel	81	3,660	1,330	474	-	8,521	198	7,527	21,792	6,416	2,379		
2a.1.1	Totals	1,011	9,189	10,610	2,644	4,657	34,345	620	21,110	84,186	55,343	3,224	574	
Removal of Major Equipment														
2a.1.2	Main Turbine/Generator	-	416	210	59	750	1,099	-	521	3,055	2,443			
2a.1.3	Main Condensers	-	1,199	105	64	605	886	-	632	3,492	1,971			
Cascading Costs from Clean Building Demolition														
2a.1.4.1	Reactor	-	1,071	-	-	-	-	-	161	1,232				
2a.1.4.2	Containment Penetration Area	-	52	-	-	-	-	-	8	60				
2a.1.4.3	Fuel Handling	-	140	-	-	-	-	-	21	161				
2a.1.4	Totals	-	1,263	-	-	-	-	-	189	1,452				
Disposal of Plant Systems														
2a.1.5.1	Auxiliary Steam	-	191	5	23	343	-	-	103	29				
2a.1.5.2	Auxiliary Steam (RCA)	-	184	3	12	180	-	-	70	5,609				
2a.1.5.3	Condensate System	-	879	53	239	3,632	-	-	806	1,781				
2a.1.5.4	Condensate System (Insulated)	-	312	16	74	1,120	-	-	259	850				
2a.1.5.5	Containment Spray	-	150	8	35	533	-	-	123	4,048				
2a.1.5.6	Extraction Steam & Heater Drip	-	348	13	58	880	-	-	229	1,528				
2a.1.5.7	Feedwater System	-	51	4	19	295	-	-	60	430				
2a.1.5.8	Feedwater System (Insulated)	-	210	9	41	617	-	-	152	1,029				
2a.1.5.9	Feedwater System (RCA Insulated)	-	76	2	10	149	-	-	43	280				
2a.1.5.10	Feedwater System (RCA)	-	4	-	1	8	-	-	2	14				
2a.1.5.11	Lube Oil Distribution & Purification	-	145	2	10	153	-	-	61	372				
2a.1.5.12	Nitrogen & Hydrogen	-	13	-	-	-	-	-	2	15				
2a.1.5.13	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	-	1				
2a.1.5.14	Nitrogen & Hydrogen (RCA Insulated)	-	4	-	-	2	-	-	1	6				
2a.1.5.15	Nitrogen & Hydrogen (RCA)	-	67	-	2	29	-	-	21	119				
2a.1.5.16	Oily Water Separator & TB Sump	-	23	1	3	47	-	-	13	87				
2a.1.5.17	Saltwater System	-	126	-	-	-	-	-	19	145				
2a.1.5.18	Turbine Steam Supply	-	952	63	283	4,295	-	-	931	6,524				
2a.1.5.19	Turbine Steam Supply (RCA)	-	518	17	74	1,119	-	-	310	2,038				
2a.1.5.20	Turbine and Generator	-	91	3	15	224	-	-	59	392				
2a.1.5.21	Turbine and Generator (Insulated)	-	38	1	3	47	-	-	17	106				
2a.1.5	Totals	-	4,363	201	900	13,673	-	-	3,283	22,419				
2a.1.6	Scaffolding in support of decommissioning	-	1,894	7	4	50	16	-	486	2,456	34			
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	
Period 2a Collateral Costs														
2a.2.1	Curie Surcharge	-	-	-	-	-	1,051	-	263	1,314				
2a.2.2	Old RPV Head	-	91	124	44	-	1,064	14	645	1,982	2,002			
2a.2	Subtotal Period 2a Additional Costs	-	91	124	44	-	2,115	14	907	3,296	2,002			
Period 2a Collateral Costs														
2a.3.1	Process liquid waste	80	-	34	85	-	427	-	163	789	-	559		
2a.3.2	Small tool allowance	-	238	-	-	-	-	-	36	273	-			
2a.3	Subtotal Period 2a Collateral Costs	80	238	34	85	-	427	-	103	1,062	-	559		
Period 2a Period-Dependent Costs														
2a.4.1	Decon supplies	76	-	-	-	-	-	-	19	95				
2a.4.2	Insurance	-	-	-	-	-	-	957	96	1,053				
2a.4.3	Property taxes	-	-	-	-	-	-	134	13	148				
2a.4.4	Health physics supplies	-	1,550	-	-	-	-	-	388	1,938				
2a.4.5	Heavy equipment rental	-	3,012	-	-	-	-	-	452	3,464				
2a.4.6	Disposal of DAW generated	-	-	68	30	-	2,069	-	529	2,696	4,598			
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,408	211	1,620				
2a.4.8	NRC ISFSI Fees	-	-	-	-	-	-	191	-	191				
2a.4.9	NRC Fees	-	-	-	-	-	-	501	50	551				
2a.4.10	Emergency Planning Fees	-	-	-	-	-	-	838	84	922				
2a.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	387	58	445				
2a.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	1,323	198	1,522				
2a.4.13	ISFSI Operating Costs	-	-	-	-	-	-	191	29	220				
2a.4.14	ISFSI Fixed Costs	-	-	-	-	-	-	382	57	439				
2a.4.15	Security Staff Cost	-	-	-	-	-	-	4,324	649	4,972				
2a.4.16	DOC Staff Cost	-	-	-	-	-	-	16,426	2,464	18,890				
2a.4.17	Utility Staff Cost	-	-	-	-	-	-	29,098	4,365	33,463				
2a.4	Subtotal Period 2a Period-Dependent Costs	76	4,562	68	30	-	2,069	56,161	9,661	72,629	4,598			
2a.0	TOTAL PERIOD 2a COSTS	1,168	23,214	11,360	3,830	19,734	40,957	56,795	36,989	194,047	66,391	3,783	574	
PERIOD 2b - Site Decontamination														
Period 2b Direct Decommissioning Activities														
Disposal of Plant Systems														
2b.1.1.1	Capital Additions 85-2002 (clean)	-	119	-	-	-	-	-	18	137				
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	272	3	12	175	-	-	96	558				
2b.1.1.3	Chemical & Volume Control	581	737	38	51	356	1,029	-	797	3,587	2,295			
2b.1.1.4	Chemical & Volume Control (Insulated)	208	263	10	10	30	290	-	249	1,059	608			
2b.1.1.5	Component Cooling Water	-	128	-	-	-	-	-	19	147				
2b.1.1.6	Component Cooling Water (RCA)	-	389	10	43	655	-	-	198	1,276				
2b.1.1.7	Compressed Air	-	113	-	-	-	-	-	17	130				
2b.1.1.8	Compressed Air (Insulated)	-	4	-	-	-	-	-	1	5				
2b.1.1.9	Compressed Air (RCA Insulated)	-	17	-	1	8	-	-	6	31				
2b.1.1.10	Compressed Air RCA	-	319	2	10	149	-	-	104	584				
2b.1.1.11	Diesel Engine-Generator	-	118	-	-	-	-	-	18	136				
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	7	-	-	-	-	-	1	8				
2b.1.1.13	Electrical (Clean)	-	1,406	-	-	-	-	-	211	1,617				
2b.1.1.14	Electrical (Contaminated)	-	361	7	27	378	62	-	172	1,027	130			
2b.1.1.15	Electrical (Decontaminated)	-	2,344	57	247	3,757	-	-	1,192	7,597				
2b.1.1.16	Fire Protection	-	243	8	37	569	-	-	153	1,010				
2b.1.1.17	Gaseous Radwaste	-	51	2	2	10	49	-	27	142	104			
2b.1.1.18	HVAC (Clean Insulated)	-	18	-	-	-	-	-	3	21	-			
2b.1.1.19	HVAC (Clean)	-	231	-	-	-	-	-	35	265	-			
2b.1.1.20	HVAC (Contaminated Insulated)	-	202	5	15	210	54	-	98	584	113			

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/cf.)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
1b.4.14	ISFSI Fixed Costs	-	-	-	-	-	-	66	23	90
1b.4.15	Security Staff Cost	-	-	-	-	-	-	613	215	828
1b.4.16	DOC Staff Cost	-	-	-	-	-	-	5,116	1,790	6,906
1b.4.17	Utility Staff Cost	-	-	-	-	-	-	15,644	5,476	21,120
1b.4	Subtotal Period 1b Period-Dependent Costs	29	476	3	1	-	72	25,040	8,967	34,589
1b.0	TOTAL PERIOD 1b COST	4,050	2,007	653	864	-	7,344	32,481	16,590	63,989
PERIOD 1 TOTALS		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	288	259	29	55	-	1,357	-	696	2,684
2a.1.1.2	Pressurizer Quench Tank	30	27	5	9	-	183	-	89	343
2a.1.1.3	Reactor Coolant Pumps & Motors	113	92	50	59	171	4,728	-	1,825	7,037
2a.1.1.4	Pressurizer	37	56	493	88	-	293	-	339	1,306
2a.1.1.5	Steam Generators	392	3,676	2,607	956	3,277	4,198	131	5,333	20,569
2a.1.1.6	Retired Steam Generator Units	-	-	2,127	946	3,237	4,307	131	3,762	14,509
2a.1.1.7	CRDMs/Cis/Service Structure Removal	86	69	118	46	-	1,014	-	467	1,799
2a.1.1.8	Reactor Vessel Internals	136	2,269	5,391	956	-	8,289	231	6,045	23,318
2a.1.1.9	Reactor Vessel	94	4,268	1,551	680	-	10,376	231	6,020	23,221
2a.1.1	Totals	1,179	10,715	12,372	3,796	6,686	33,293	723	24,067	92,832
Removal of Major Equipment										
2a.1.2	Main Turbine/Generator	-	485	245	65	1,077	871	-	967	3,729
2a.1.3	Main Condensers	-	1,398	122	92	869	702	-	1,114	4,297
Cascading Costs from Clean Building Demolition										
2a.1.4.1	Reactor	-	1,249	-	-	-	-	-	437	1,686
2a.1.4.2	Containment Penetration Area	-	61	-	-	-	-	-	21	82
2a.1.4.3	Fuel Handling	-	163	-	-	-	-	-	57	220
2a.1.4	Totals	-	1,473	-	-	-	-	-	515	1,988
Disposal of Plant Systems										
2a.1.5.1	Auxiliary Steam	-	223	6	33	492	-	-	264	1,018
2a.1.5.2	Auxiliary Steam (RCA)	-	191	3	17	258	-	-	185	635
2a.1.5.3	Condensate System	-	1,025	62	343	5,214	-	-	2,325	8,969
2a.1.5.4	Condensate System (Insulated)	-	364	19	106	1,608	-	-	734	2,830
2a.1.5.5	Containment Spray	-	175	9	50	765	-	-	350	1,350
2a.1.5.6	Extraction Steam & Heater Drip	-	406	15	83	1,263	-	-	619	2,386
2a.1.5.7	Feedwater System	-	59	5	27	424	-	-	180	695
2a.1.5.8	Feedwater System (Insulated)	-	245	10	59	886	-	-	420	1,620
2a.1.5.9	Feedwater System (RCA Insulated)	-	89	2	14	214	-	-	112	431
2a.1.5.10	Feedwater System (RCA)	-	5	-	1	11	-	-	6	24
2a.1.5.11	Lube Oil Distribution & Purification	-	169	2	14	220	-	-	142	547
2a.1.5.12	Nitrogen & Hydrogen	-	15	-	-	-	-	-	5	20
2a.1.5.13	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	0	2
2a.1.5.14	Nitrogen & Hydrogen (RCA Insulated)	-	5	-	-	3	-	-	3	10
2a.1.5.15	Nitrogen & Hydrogen (RCA)	-	78	-	3	42	-	-	43	166
2a.1.5.16	Oily Water Separator & TB Sump	-	27	1	4	67	-	-	35	135
2a.1.5.17	Saltwater System	-	147	-	-	-	-	-	51	198
2a.1.5.18	Turbine Steam Supply	-	1,110	73	406	6,166	-	-	2,715	10,470
2a.1.5.19	Turbine Steam Supply (RCA)	-	694	20	106	1,606	-	-	818	3,154
2a.1.5.20	Turbine and Generator	-	106	3	22	322	-	-	158	611
2a.1.5.21	Turbine and Generator (Insulated)	-	44	1	4	67	-	-	41	158
2a.1.5	Totals	-	5,088	234	1,292	19,629	-	-	9,185	35,428
2a.1.6	Scaffolding in support of decommissioning	-	2,209	8	6	72	13	-	808	3,115
2a.1	Subtotal Period 2a Activity Costs	1,179	21,366	12,983	5,269	28,330	34,879	723	36,655	141,384
Period 2a Collateral Costs										
2a.2.1	Curie Surcharge	-	-	-	-	-	1,509	-	528	2,037
2a.2.2	Old RPV Head	-	106	145	63	-	948	16	447	1,726
2a.2	Subtotal Period 2a Additional Costs	-	106	145	63	-	2,457	16	976	3,763
Period 2a Collateral Costs										
2a.3.1	Process liquid waste	93	-	40	122	-	613	-	304	1,172
2a.3.2	Small tool allowance	-	278	-	-	-	-	-	97	375
2a.3	Subtotal Period 2a Collateral Costs	93	278	40	122	-	613	-	401	1,546
Period 2a Period-Dependent Costs										
2a.4.1	Decon supplies	89	-	-	-	-	-	-	31	120
2a.4.2	Insurance	-	-	-	-	-	-	1,116	391	1,507
2a.4.3	Property taxes	-	-	-	-	-	-	156	55	211
2a.4.4	Health physics supplies	-	1,807	-	-	-	-	-	633	2,440
2a.4.5	Heavy equipment rental	-	3,512	-	-	-	-	-	1,229	4,742
2a.4.6	Disposal of DAW generated	-	-	79	43	-	1,640	-	617	2,379
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,642	575	2,217
2a.4.8	NRC ISFSI Fees	-	-	-	-	-	-	223	-	223
2a.4.9	NRC Fees	-	-	-	-	-	-	584	204	789
2a.4.10	Emergency Planning Fees	-	-	-	-	-	-	977	342	1,319
2a.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	451	158	609
2a.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	1,543	540	2,083
2a.4.13	ISFSI Operating Costs	-	-	-	-	-	-	223	78	301
2a.4.14	ISFSI Fixed Costs	-	-	-	-	-	-	445	156	601
2a.4.15	Security Staff Cost	-	-	-	-	-	-	5,042	1,765	6,807
2a.4.16	DOC Staff Cost	-	-	-	-	-	-	19,154	6,704	25,858
2a.4.17	Utility Staff Cost	-	-	-	-	-	-	33,931	11,876	45,807
2a.4	Subtotal Period 2a Period-Dependent Costs	89	5,320	79	43	-	1,640	65,489	25,431	98,091
2a.0	TOTAL PERIOD 2a COSTS	1,362	27,070	13,247	5,498	28,330	39,589	66,229	63,464	244,788
PERIOD 2b - Site Decontamination										
Period 2b Direct Decommissioning Activities										
Disposal of Plant Systems										
2b.1.1.1	Capital Additions 85-2002 (clean)	-	139	-	-	-	-	-	49	187
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	317	3	17	251	-	-	206	795
2b.1.1.3	Chemical & Volume Control	678	859	44	73	511	813	-	1,043	4,021
2b.1.1.4	Chemical & Volume Control (Insulated)	243	307	12	14	43	240	-	301	1,159
2b.1.1.5	Component Cooling Water	-	149	-	-	-	-	-	52	202
2b.1.1.6	Component Cooling Water (RCA)	-	430	12	62	940	-	-	505	1,949
2b.1.1.7	Compressed Air	-	132	-	-	-	-	-	46	178
2b.1.1.8	Compressed Air (Insulated)	-	5	-	-	-	-	-	2	8
2b.1.1.9	Compressed Air (RCA Insulated)	-	20	-	1	11	-	-	11	44
2b.1.1.10	Compressed Air RCA	-	372	2	14	214	-	-	211	813
2b.1.1.11	Diesel Engine-Generator	-	138	-	-	-	-	-	48	186
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	9	-	-	3	-	-	3	11
2b.1.1.13	Electrical (Clean)	-	1,640	-	-	-	-	-	574	2,213
2b.1.1.14	Electrical (Contaminated)	-	444	8	39	543	51	-	380	1,465
2b.1.1.15	Electrical (Decontaminated)	-	2,733	66	355	5,394	-	-	2,992	11,540
2b.1.1.16	Fire Protection	-	283	9	53	817	-	-	407	1,570
2b.1.1.17	Gaseous Radwaste	-	59	2	3	14	40	-	42	161
2b.1.1.18	HVAC (Clean Insulated)	-	21	-	-	-	-	-	7	28
2b.1.1.19	HVAC (Clean)	-	269	-	-	-	-	-	94	364
2b.1.1.20	HVAC (Contaminated Insulated)	-	236	6	22	301	45	-	213	822

Note: Totals may not sum due to rounding

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

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
2b.1.1.21	HVAC (Contaminated)	-	894	24	77	1,033	328	-	474	2,830	687			
2b.1.1.22	Liquid Radwaste	380	465	29	30	129	790	-	531	2,353	1,873			
2b.1.1.23	Liquid Radwaste (Insulated)	44	46	2	2	4	64	-	51	215	134			
2b.1.1.24	Make-up Water	-	236	-	-	-	-	-	35	271	-			
2b.1.1.25	Make-up Water (Insulated)	-	21	-	-	-	-	-	3	24	-			
2b.1.1.26	Make-up Water (RCA Insulated)	-	26	-	1	21	-	-	10	58	-			
2b.1.1.27	Make-up Water (RCA)	-	139	2	8	117	-	-	54	319	-			
2b.1.1.28	Miscellaneous Reactor Coolant	14	76	2	3	22	56	-	44	218	123			
2b.1.1.29	Nuclear Steam Supply Sampling	-	113	3	3	23	63	-	48	252	138			
2b.1.1.30	Nuclear Steam Supply Sampling (Insulated)	-	34	1	-	1	15	-	12	63	31			
2b.1.1.31	Residual Heat Removal	229	200	33	44	231	1,057	-	473	2,268	2,216			
2b.1.1.32	Safety Injection	-	79	3	5	57	55	-	43	242	120			
2b.1.1.33	Safety Injection (Insulated)	-	4	-	-	2	3	-	2	11	7			
2b.1.1.34	Safety Injection (RCA Insulated)	-	25	1	2	17	30	-	17	92	63			
2b.1.1.35	Safety Injection (RCA)	-	209	11	17	153	271	-	147	809	569			
2b.1.1.36	Service Cooling Water	-	77	-	-	-	-	-	11	88	-			
2b.1.1.37	Service Cooling Water (RCA)	-	18	-	1	20	-	-	8	46	-			
2b.1.1	Totals	1,456	10,007	252	649	8,126	4,217	-	5,377	30,084	9,204			
2b.1.2	Scaffolding in support of decommissioning	-	2,367	9	5	63	19	-	608	3,070	43			
Decontamination of Site Buildings														
2b.1.3.1	Reactor	1,182	1,313	231	304	319	8,742	-	3,221	15,312	19,464	1,941		
2b.1.3.2	Capital Additions 85-2002	20	18	1	2	30	4	-	21	96	113			
2b.1.3.3	Containment Penetration Area	204	145	15	24	90	537	-	291	1,306	1,204			
2b.1.3	Totals	1,406	1,477	247	330	438	9,283	-	3,533	16,714	20,862			
2b.1	Subtotal Period 2b Activity Costs	2,862	13,850	509	983	8,627	13,519	-	9,518	49,868	29,929	1,941		
Period 2b Collateral Costs														
2b.3.1	Process liquid waste	47	-	180	218	-	1,704	-	500	2,648	1,941			
2b.3.2	Small tool allowance	-	281	-	-	-	-	-	42	323	-			
2b.3.3	Spent Fuel Capital and Transfer	-	-	-	-	-	-	5,000	750	5,750	-			
2b.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	356	53	409	-			
2b.3	Subtotal Period 2b Collateral Costs	47	281	180	218	-	1,704	5,356	1,704	9,130	1,941			
Period 2b Period-Dependent Costs														
2b.4.1	Decon supplies	1,230	-	-	-	-	-	-	308	1,538	-			
2b.4.2	Insurance	-	-	-	-	-	-	7,252	725	7,978	-			
2b.4.3	Property taxes	-	-	-	-	-	-	1,120	112	1,232	-			
2b.4.4	Health physics supplies	-	4,955	-	-	-	-	-	1,239	6,194	-			
2b.4.5	Heavy equipment rental	-	3,921	-	-	-	-	-	588	4,509	-			
2b.4.6	Disposal of DAW generated	-	-	123	55	-	3,739	-	955	4,873	8,309			
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,482	372	2,854	-			
2b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	1,591	-	1,591	-			
2b.4.9	NRC Fees	-	-	-	-	-	-	3,166	317	3,483	-			
2b.4.10	Emergency Planning Fees	-	-	-	-	-	-	4,137	414	4,550	-			
2b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	1,620	243	1,863	-			
2b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	7,914	1,187	9,101	-			
2b.4.13	Spent Fuel Storage/Capital Equipment	-	-	-	-	-	-	43,631	6,545	50,175	-			
2b.4.14	ISFSI Operating Costs	-	-	-	-	-	-	1,591	239	1,830	-			
2b.4.15	ISFSI Fixed Costs	-	-	-	-	-	-	3,182	477	3,659	-			
2b.4.16	Security Staff Cost	-	-	-	-	-	-	9,138	1,371	10,509	-			
2b.4.17	DOC Staff Cost	-	-	-	-	-	-	20,442	3,066	23,508	-			
2b.4.18	Utility Staff Cost	-	-	-	-	-	-	48,745	7,312	56,056	-			
2b.4	Subtotal Period 2b Period-Dependent Costs	1,230	8,876	123	55	-	3,739	156,010	25,469	195,502	8,309			
2b.0	TOTAL PERIOD 2b COSTS	4,138	23,007	812	1,256	8,627	18,962	161,366	36,332	254,500	38,238	1,941		
Period 2c - Decontamination 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			
Disposal of Plant Systems														
2c.1.2.1	Electrical (Contaminated) - FHB	-	110	1	4	58	9	-	39	222	20			
2c.1.2.2	Electrical (Decontaminated) - FHB	-	681	8	37	555	-	-	260	1,541	-			
2c.1.2.3	Fire Protection (RCA)	-	147	2	8	121	-	-	56	334	-			
2c.1.2.4	HVAC (Contaminated) - FHB	-	213	5	18	239	65	-	109	649	138			
2c.1.2.5	Spent Fuel Pit Cooling	-	54	13	16	87	396	-	129	697	831			
2c.1.2.6	Spent Fuel Pit Cooling - FHB	-	75	14	18	93	426	-	143	768	892			
2c.1.2.7	Totals	-	1,281	43	100	1,154	896	-	737	4,211	1,879			
Decontamination of Site Buildings														
2c.1.3.1	Fuel Handling	526	525	21	33	154	697	-	598	2,554	1,567			
2c.1.3	Totals	526	525	21	33	154	697	-	598	2,554	1,567			
2c.1.4	Scaffolding in support of decommissioning	-	473	2	1	13	4	-	122	614	9			
2c.1	Subtotal Period 2c Activity Costs	891	2,316	145	163	1,320	2,645	-	1,923	9,403	5,786			
Period 2c Collateral Costs														
2c.3.1	Process liquid waste	24	-	13	32	-	194	-	67	330	211			
2c.3.2	Small tool allowance	-	55	-	-	-	-	-	8	63	-			
2c.3.3	Decommissioning Equipment Disposition	-	-	74	46	513	159	-	131	922	353			
2c.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	166	25	190	-			
2c.3	Subtotal Period 2c Collateral Costs	24	55	87	78	513	353	166	231	1,506	353	211		
Period 2c Period-Dependent Costs														
2c.4.1	Decon supplies	184	-	-	-	-	-	-	46	229	-			
2c.4.2	Insurance	-	-	-	-	-	-	261	26	288	-			
2c.4.3	Property taxes	-	-	-	-	-	-	40	4	45	-			
2c.4.4	Health physics supplies	-	355	-	-	-	-	-	89	444	-			
2c.4.5	Heavy equipment rental	-	912	-	-	-	-	-	137	1,049	-			
2c.4.6	Disposal of DAW generated	-	-	20	9	-	600	-	153	783	1,394			
2c.4.7	Plant energy budget	-	-	-	-	-	-	179	27	205	-			
2c.4.8	NRC ISFSI Fees	-	-	-	-	-	-	57	-	57	-			
2c.4.9	NRC Fees	-	-	-	-	-	-	151	15	166	-			
2c.4.10	Emergency Planning Fees	-	-	-	-	-	-	149	15	164	-			
2c.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	129	19	148	-			
2c.4.12	ISFSI Operating Costs	-	-	-	-	-	-	57	9	66	-			
2c.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	115	17	132	-			
2c.4.14	Security Staff Cost	-	-	-	-	-	-	471	71	541	-			
2c.4.15	DOC Staff Cost	-	-	-	-	-	-	2,277	342	2,618	-			
2c.4.16	Utility Staff Cost	-	-	-	-	-	-	3,890	584	4,474	-			
2c.4	Subtotal Period 2c Period-Dependent Costs	184	1,268	20	9	-	600	7,778	1,553	11,411	1,394			
2c.0	TOTAL PERIOD 2c COSTS	1,098	3,638	252	250	1,833	3,598	7,943	3,706	22,319	7,473	211		
PERIOD 2e - License Termination														
Period 2e Direct Decommissioning Activities														
2e.1.1	ORISE confirmatory survey	-	-	-	-	-	-	119	36	155	-			
2e.1.2	Terminate license	-	-	-	-	-	-	-	-	-	-			
2e.1	Subtotal Period 2e Activity Costs	-	-	-	-	-	-	119	36	155	-			
Period 2e Additional Costs														
2e.2.1	License Termination Survey	-	-	-	-	-	-	6,356	1,907	8,262	-			
2e.2	Subtotal 2e Additional Costs	-	-	-	-	-	-	6,356	1,907	8,262	-			
Period 2e Collateral Costs														
2e.3.1	DOC Staff relocation expenses	-	-	-	-	-	-	1,021	153	1,174	-			

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/cf.)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2b.1.1.21	HVAC (Contaminated)	-	1,042	28	111	1,483	272	-	1,028	3,964
2b.1.1.22	Liquid Radwaste	443	542	34	43	185	592	-	644	2,484
2b.1.1.23	Liquid Radwaste (Insulated)	51	56	2	3	6	53	-	60	231
2b.1.1.24	Make-up Water	-	275	-	-	-	-	-	96	372
2b.1.1.25	Make-up Water (Insulated)	-	24	-	-	-	-	-	9	33
2b.1.1.26	Make-up Water (RCA Insulated)	-	30	-	1	30	-	-	22	84
2b.1.1.27	Make-up Water (RCA)	-	162	2	11	168	-	-	120	464
2b.1.1.28	Miscellaneous Reactor Coolant	16	69	2	4	32	45	-	66	254
2b.1.1.29	Nuclear Steam Supply Sampling	-	132	3	4	33	52	-	79	304
2b.1.1.30	Nuclear Steam Supply Sampling (Insulated)	-	40	1	-	1	13	-	19	74
2b.1.1.31	Residual Heat Removal	267	233	38	63	332	876	-	633	2,443
2b.1.1.32	Safety Injection	-	92	3	7	82	44	-	80	309
2b.1.1.33	Safety Injection (Insulated)	-	5	-	-	3	2	-	3	13
2b.1.1.34	Safety Injection (RCA Insulated)	-	29	1	3	24	25	-	29	111
2b.1.1.35	Safety Injection (RCA)	-	244	13	24	220	224	-	254	979
2b.1.1.36	Service Cooling Water	-	90	-	-	-	-	-	31	121
2b.1.1.37	Service Cooling Water (RCA)	-	21	-	1	29	-	-	18	69
2b.1.1	Totals	1,698	11,669	294	932	11,666	3,391	-	10,377	40,026
2b.1.2	Scaffolding in support of decommissioning	-	2,760	10	7	90	15	-	1,009	3,892
Decontamination of Site Buildings										
2b.1.3.1	Reactor	1,378	1,531	269	436	458	6,918	-	3,847	14,839
2b.1.3.2	Capital Additions 85-2002	23	21	1	3	43	2	-	33	126
2b.1.3.3	Containment Penetration Area	238	169	17	34	129	423	-	354	1,364
2b.1.3	Totals	1,640	1,722	288	474	629	7,291	-	4,215	16,258
2b.1	Subtotal Period 2b Activity Costs	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	55	-	210	313	-	2,446	-	1,058	4,082
2b.3.2	Small tool allowance	-	328	-	-	-	-	-	115	442
2b.3.3	Spent Fuel Capital and Transfer	-	-	-	-	-	-	5,631	2,041	7,871
2b.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	415	145	560
2b.3	Subtotal Period 2b Collateral Costs	55	328	210	313	-	2,446	6,246	3,359	12,956
Period 2b Period-Dependent Costs										
2b.4.1	Decon supplies	1,434	-	-	-	-	-	-	502	1,936
2b.4.2	Insurance	-	-	-	-	-	-	8,457	2,960	11,416
2b.4.3	Property taxes	-	-	-	-	-	-	1,306	457	1,763
2b.4.4	Health physics supplies	-	5,778	-	-	-	-	-	2,022	7,800
2b.4.5	Heavy equipment rental	-	4,572	-	-	-	-	-	1,600	6,173
2b.4.6	Disposal of DAW generated	-	-	143	79	-	2,964	-	1,115	4,301
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,894	1,013	3,907
2b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	1,855	-	1,855
2b.4.9	NRC Fees	-	-	-	-	-	-	3,692	1,292	4,984
2b.4.10	Emergency Planning Fees	-	-	-	-	-	-	4,824	1,688	6,513
2b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	1,889	661	2,550
2b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	9,229	3,230	12,458
2b.4.13	Spent Fuel Storage/Capital Equipment	-	-	-	-	-	-	50,879	17,807	68,685
2b.4.14	ISFSI Operating Costs	-	-	-	-	-	-	1,855	649	2,505
2b.4.15	ISFSI Fixed Costs	-	-	-	-	-	-	3,711	1,299	5,009
2b.4.16	Security Staff Cost	-	-	-	-	-	-	10,656	3,730	14,385
2b.4.17	DOC Staff Cost	-	-	-	-	-	-	23,837	8,343	32,181
2b.4.18	Utility Staff Cost	-	-	-	-	-	-	56,842	19,895	76,736
2b.4	Subtotal Period 2b Period-Dependent Costs	1,434	10,350	143	79	-	2,964	181,923	68,913	265,807
2b.0	TOTAL PERIOD 2b COSTS	4,825	26,828	947	1,803	12,385	16,158	188,169	87,891	339,007
Period 2c - Decontamination Following Wet Fuel Storage										
Period 2c Direct Decommissioning Activities										
2c.1.1	Remove spent fuel racks	426	43	92	40	-	830	-	501	1,932
Disposal of Plant Systems										
2c.1.2.1	Electrical (Contaminated) - FHB	-	128	1	6	83	7	-	79	305
2c.1.2.2	Electrical (Decontaminated) - FHB	-	794	9	53	797	-	-	579	2,232
2c.1.2.3	Fire Protection (RCA)	-	171	2	11	174	-	-	126	485
2c.1.2.4	HVAC (Contaminated) - FHB	-	246	6	26	343	54	-	237	914
2c.1.2.5	Spent Fuel Pit Cooling	-	63	15	23	125	328	-	194	748
2c.1.2.6	Spent Fuel Pit Cooling - FHB	-	87	16	26	134	353	-	216	832
2c.1.2.7	Totals	-	1,494	50	144	1,657	743	-	1,430	5,517
Decontamination of Site Buildings										
2c.1.3.1	Fuel Handling	613	612	24	47	221	547	-	723	2,789
2c.1.3	Totals	613	612	24	47	221	547	-	723	2,789
2c.1.4	Scaffolding in support of decommissioning	-	552	2	1	19	3	-	202	779
2c.1	Subtotal Period 2c Activity Costs	1,039	2,701	169	234	1,895	2,123	-	2,856	11,017
Period 2c Collateral Costs										
2c.3.1	Process liquid waste	28	-	15	46	-	279	-	129	496
2c.3.2	Small tool allowance	-	64	-	-	-	-	-	22	87
2c.3.3	Decommissioning Equipment Disposition	-	-	86	66	736	126	-	355	1,370
2c.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	194	68	261
2c.3	Subtotal Period 2c Collateral Costs	28	64	101	112	736	405	194	574	2,214
Period 2c Period-Dependent Costs										
2c.4.1	Decon supplies	215	-	-	-	-	-	-	75	290
2c.4.2	Insurance	-	-	-	-	-	-	304	107	411
2c.4.3	Property taxes	-	-	-	-	-	-	47	16	63
2c.4.4	Health physics supplies	-	414	-	-	-	-	-	145	559
2c.4.5	Heavy equipment rental	-	1,063	-	-	-	-	-	372	1,436
2c.4.6	Disposal of DAW generated	-	-	23	13	-	475	-	179	691
2c.4.7	Plant energy budget	-	-	-	-	-	-	209	73	282
2c.4.8	NRC ISFSI Fees	-	-	-	-	-	-	66	-	66
2c.4.9	NRC Fees	-	-	-	-	-	-	178	62	238
2c.4.10	Emergency Planning Fees	-	-	-	-	-	-	174	61	235
2c.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	150	53	203
2c.4.12	ISFSI Operating Costs	-	-	-	-	-	-	66	23	90
2c.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	134	47	181
2c.4.14	Security Staff Cost	-	-	-	-	-	-	549	192	741
2c.4.15	DOC Staff Cost	-	-	-	-	-	-	2,655	929	3,585
2c.4.16	Utility Staff Cost	-	-	-	-	-	-	4,536	1,588	6,124
2c.4	Subtotal Period 2c Period-Dependent Costs	215	1,479	23	13	-	475	9,070	3,946	15,221
2c.0	TOTAL PERIOD 2c COSTS	1,280	4,242	294	359	2,631	3,003	9,262	7,375	28,448
PERIOD 2e - License Termination										
Period 2e Direct Decommissioning Activities										
2e.1.1	ORISE confirmatory survey	-	-	-	-	-	-	139	49	187
2e.1.2	Terminate license	-	-	-	-	-	-	-	-	-
2e.1	Subtotal Period 2e Activity Costs	-	-	-	-	-	-	139	49	187
Period 2e Additional Costs										
2e.2.1	License Termination Survey	-	-	-	-	-	-	7,412	2,594	10,006
2e.2	Subtotal 2e Additional Costs	-	-	-	-	-	-	7,412	2,594	10,006
Period 2e Collateral Costs										
2e.3.1	DOC Staff relocation expenses	-	-	-	-	-	-	1,191	417	1,607

Note: Totals may not sum due to rounding

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

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2e.3	Subtotal 2e Collateral Costs	-	-	-	-	-	-	1,021	153	1,174
Period 2e Period-Dependent Costs										
2e.4.1	Insurance	-	-	-	-	-	-	321	32	353
2e.4.2	Property taxes	-	-	-	-	-	-	66	7	72
2e.4.3	Health physics supplies	-	215	-	-	-	-	-	54	268
2e.4.4	Disposal of DAW generated	-	-	4	2	-	123	-	31	160
2e.4.5	Plant energy budget	-	-	-	-	-	-	145	22	167
2e.4.6	NRC ISFSI Fees	-	-	-	-	-	-	93	-	93
2e.4.7	NRC Fees	-	-	-	-	-	-	245	25	270
2e.4.8	Emergency Planning Fees	-	-	-	-	-	-	243	24	267
2e.4.9	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	186	28	214
2e.4.10	ISFSI Operating Costs	-	-	-	-	-	-	93	14	107
2e.4.11	ISFSI Fixed Costs	-	-	-	-	-	-	187	28	215
2e.4.12	Security Staff Cost	-	-	-	-	-	-	420	63	483
2e.4.13	DOC Staff Cost	-	-	-	-	-	-	2,284	343	2,627
2e.4.14	Utility Staff Cost	-	-	-	-	-	-	2,523	378	2,902
2e.4	Subtotal Period 2e Period-Dependent Costs	-	215	4	2	-	123	6,807	1,048	8,198
2e.0	TOTAL PERIOD 2e COST	-	215	4	2	-	123	14,303	3,144	17,790
PERIOD 2 TOTAL		6,404	50,074	12,427	5,337	30,195	63,641	240,407	80,171	488,656
PERIOD 3b Restoration										
Perod 3b Direct Decommissioning Activities										
Demolition of Remaining Site Buildings										
3b.1.1.1	Reactor	-	6,092	-	-	-	-	-	914	7,006
3b.1.1.2	Capital Additions 85-2002	-	226	-	-	-	-	-	34	259
3b.1.1.3	Containment Penetration Area	-	489	-	-	-	-	-	73	562
3b.1.1.4	Miscellaneous	-	21	-	-	-	-	-	3	24
3b.1.1.5	Turbine	-	3,058	-	-	-	-	-	458	3,515
3b.1.1.6	Turbine Pedestal	-	968	-	-	-	-	-	145	1,113
3b.1.1.7	Fuel Handling	-	1,347	-	-	-	-	-	202	1,549
3b.1.1	Totals	-	12,199	-	-	-	-	-	1,830	14,029
Site Closeout Activities										
3b.1.2	Grade & landscape site	-	1,812	-	-	-	-	-	272	2,083
3b.1.3	Final report to NRC	-	-	-	-	-	-	153	23	176
3b.1	Subtotal Period 3b Activity Costs	-	1,812	-	-	-	-	153	2,125	16,289
Period 3b Additional Cost										
3b.2.1	Concrete Crushing	-	358	-	-	-	-	2	54	414
3b.2	Subtotal Period 3b Additional Costs	-	358	-	-	-	-	2	54	414
Period 3b Collateral Costs										
3b.3.1	Small tool allowance	-	162	-	-	-	-	-	24	187
3b.3	Subtotal 3b Collateral Costs	-	162	-	-	-	-	-	24	187
Period 3b Period-Dependent Costs										
3b.4.1	Insurance	-	-	-	-	-	-	575	57	632
3b.4.2	Property taxes	-	-	-	-	-	-	181	18	199
3b.4.3	Heavy equipment rental	-	5,531	-	-	-	-	-	830	6,361
3b.4.4	Plant energy budget	-	-	-	-	-	-	199	30	229
3b.4.5	NRC ISFSI Fees	-	-	-	-	-	-	257	-	257
3b.4.6	Emergency Planning Fees	-	-	-	-	-	-	667	67	734
3b.4.7	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	564	85	649
3b.4.8	ISFSI Operating Costs	-	-	-	-	-	-	257	39	295
3b.4.9	ISFSI Fixed Costs	-	-	-	-	-	-	513	77	590
3b.4.10	Security Staff Cost	-	-	-	-	-	-	1,154	173	1,327
3b.4.11	DOC Staff Cost	-	-	-	-	-	-	6,941	1,041	7,982
3b.4.12	Utility Staff Cost	-	-	-	-	-	-	3,536	530	4,067
3b.4	Subtotal Period 3b Period-Dependent Costs	-	5,531	-	-	-	-	14,844	2,947	23,321
3b.0	TOTAL PERIOD 3b COST	-	20,062	-	-	-	-	14,999	5,149	40,210
PERIOD 3c - Fuel Storage Operations/Shipping										
Period 3c Direct Decommissioning Costs										
Period 3c Period-Dependent Costs										
3c.4.1	Insurance	-	-	-	-	-	-	144	14	155
3c.4.2	Property taxes	-	-	-	-	-	-	44	4	49
3c.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-
3c.4.4	NRC ISFSI Fees	-	-	-	-	-	-	63	-	63
3c.4.5	Emergency Planning Fees	-	-	-	-	-	-	164	16	180
3c.4.6	ISFSI Operating Costs	-	-	-	-	-	-	63	9	72
3c.4.7	ISFSI Fixed Costs	-	-	-	-	-	-	126	19	145
3c.4.8	Security Staff Cost	-	-	-	-	-	-	126	19	145
3c.4.9	Utility Staff Cost	-	-	-	-	-	-	336	50	386
3c.4	Subtotal Period 3c Period-Dependent Costs	-	-	-	-	-	-	1,063	133	1,195
3c.0	TOTAL PERIOD 3c COST	-	-	-	-	-	-	1,063	133	1,195
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
3d.1.1	Totals	-	-	167	-	-	9,447	-	1,434	11,048
3d.1	Subtotal Period 3d Activity Costs	-	-	167	-	-	9,447	-	1,434	11,048
Period 3d Period-Dependent Costs										
3d.4.1	Insurance	-	-	-	-	-	-	11	1	12
3d.4.2	Property taxes	-	-	-	-	-	-	3	-	4
3d.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-
3d.4.4	NRC ISFSI Fees	-	-	-	-	-	-	5	-	5
3d.4.5	Emergency Planning Fees	-	-	-	-	-	-	12	1	14
3d.4.6	ISFSI Operating Costs	-	-	-	-	-	-	5	1	6
3d.4.7	ISFSI Fixed Costs	-	-	-	-	-	-	10	1	11
3d.4.8	Security Staff Cost	-	-	-	-	-	-	10	1	11
3d.4.9	Utility Staff Cost	-	-	-	-	-	-	26	4	29
3d.4	Subtotal Period 3d Period-Dependent Costs	-	-	-	-	-	-	81	10	91
3d.0	TOTAL PERIOD 3d COST	-	-	167	-	-	9,447	81	1,444	11,139
PERIOD 3e - ISFSI Decontamination										
Period 3e Direct Decommissioning Activities										
Period 3e Additional Costs										
3e.2.1	ISFSI License Termination	-	651	6	70	-	2,197	758	837	4,518
3e.2	Subtotal Period 3e Additional Costs	-	651	6	70	-	2,197	758	837	4,518
Period 3e Collateral Costs										
3e.3.1	Small tool allowance	-	8	-	-	-	-	-	1	10
3e.3	Subtotal 3e Collateral Costs	-	8	-	-	-	-	-	1	10
Period 3e Period-Dependent Costs										
3e.4.1	Insurance	-	-	-	-	-	-	-	-	-

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/cf.)

ID Number	Activity Description	Burial site A CP	Burial site B CP	Burial site C CP	Burial site GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2e.3	Subtotal 2e Collateral Costs					-	-	-	-	-	-	1,191	417	1,607
Period 2e Period-Dependent Costs														
2e.4.1	Insurance					-	-	-	-	-	-	374	131	505
2e.4.2	Property taxes					-	-	-	-	-	-	77	27	104
2e.4.3	Health physics supplies					-	251	-	-	-	-	-	88	338
2e.4.4	Disposal of DAW generated	273				-	-	5	3	-	98	-	37	142
2e.4.5	Plant energy budget					-	-	-	-	-	-	169	59	228
2e.4.6	NRC ISFSI Fees					-	-	-	-	-	-	108	-	108
2e.4.7	NRC Fees					-	-	-	-	-	-	286	100	386
2e.4.8	Emergency Planning Fees					-	-	-	-	-	-	283	99	383
2e.4.9	Spent Fuel Transfer - ISFSI to DOE					-	-	-	-	-	-	217	76	293
2e.4.10	ISFSI Operating Costs					-	-	-	-	-	-	108	38	146
2e.4.11	ISFSI Fixed Costs					-	-	-	-	-	-	218	76	294
2e.4.12	Security Staff Cost					-	-	-	-	-	-	490	171	661
2e.4.13	DOC Staff Cost					-	-	-	-	-	-	2,663	932	3,596
2e.4.14	Utility Staff Cost					-	-	-	-	-	-	2,942	1,030	3,972
2e.4	Subtotal Period 2e Period-Dependent Costs	273				-	251	5	3	-	98	7,938	2,903	11,196
2e.0	TOTAL PERIOD 2e COST	273				-	251	5	3	-	98	16,679	5,962	22,997
PERIOD 2 TOTAL		112,375	5,935	574		7,468	58,391	14,491	7,662	43,348	58,849	280,339	164,692	635,240
PERIOD 3b Restoration														
Perod 3b Direct Decommissioning Activities														
Demolition of Remaining Site Buildings														
3b.1.1.1	Reactor					-	7,104	-	-	-	-	-	2,486	9,590
3b.1.1.2	Capital Additions 85-2002					-	264	-	-	-	-	-	92	356
3b.1.1.3	Containment Penetration Area					-	570	-	-	-	-	-	200	770
3b.1.1.4	Miscellaneous					-	24	-	-	-	-	-	9	33
3b.1.1.5	Turbine					-	3,564	-	-	-	-	-	1,247	4,811
3b.1.1.6	Turbine Pedestal					-	1,129	-	-	-	-	-	395	1,524
3b.1.1.7	Fuel Handling					-	1,571	-	-	-	-	-	550	2,120
3b.1.1	Totals					-	14,225	-	-	-	-	-	4,979	19,204
Site Closeout Activities														
3b.1.2	Grade & landscape site					-	2,113	-	-	-	-	-	740	2,853
3b.1.3	Final report to NRC					-	-	-	-	-	-	178	62	241
3b.1	Subtotal Period 3b Activity Costs					-	2,113	-	-	-	-	178	802	3,093
Period 3b Additional Cost														
3b.2.1	Concrete Crushing					-	417	-	-	-	-	2	147	567
3b.2	Subtotal Period 3b Additional Costs					-	417	-	-	-	-	2	147	567
Period 3b Collateral Costs														
3b.3.1	Small tool allowance					-	189	-	-	-	-	-	66	255
3b.3	Subtotal 3b Collateral Costs					-	189	-	-	-	-	-	66	255
Period 3b Period-Dependent Costs														
3b.4.1	Insurance					-	-	-	-	-	-	671	235	905
3b.4.2	Property taxes					-	-	-	-	-	-	211	74	285
3b.4.3	Heavy equipment rental					-	6,450	-	-	-	-	-	2,257	8,707
3b.4.4	Plant energy budget					-	-	-	-	-	-	232	81	313
3b.4.5	NRC ISFSI Fees					-	-	-	-	-	-	300	-	300
3b.4.6	Emergency Planning Fees					-	-	-	-	-	-	778	272	1,050
3b.4.7	Spent Fuel Transfer - ISFSI to DOE					-	-	-	-	-	-	658	230	888
3b.4.8	ISFSI Operating Costs					-	-	-	-	-	-	300	105	405
3b.4.9	ISFSI Fixed Costs					-	-	-	-	-	-	598	209	806
3b.4.10	Security Staff Cost					-	-	-	-	-	-	1,346	471	1,817
3b.4.11	DOC Staff Cost					-	-	-	-	-	-	8,094	2,833	10,927
3b.4.12	Utility Staff Cost					-	-	-	-	-	-	4,123	1,443	5,566
3b.4	Subtotal Period 3b Period-Dependent Costs					-	6,450	-	-	-	-	17,310	8,316	32,075
3b.0	TOTAL PERIOD 3b COST					-	23,394	-	-	-	-	17,490	14,310	55,194
PERIOD 3c - Fuel Storage Operations/Shipping														
Period 3c Direct Decommissioning Costs														
Period 3c Period-Dependent Costs														
3c.4.1	Insurance					-	-	-	-	-	-	168	59	227
3c.4.2	Property taxes					-	-	-	-	-	-	51	18	69
3c.4.3	Plant energy budget					-	-	-	-	-	-	-	-	-
3c.4.4	NRC ISFSI Fees					-	-	-	-	-	-	73	26	99
3c.4.5	Emergency Planning Fees					-	-	-	-	-	-	191	67	258
3c.4.6	ISFSI Operating Costs					-	-	-	-	-	-	73	26	99
3c.4.7	ISFSI Fixed Costs					-	-	-	-	-	-	147	51	198
3c.4.8	Security Staff Cost					-	-	-	-	-	-	147	51	198
3c.4.9	Utility Staff Cost					-	-	-	-	-	-	392	137	529
3c.4	Subtotal Period 3c Period-Dependent Costs					-	-	-	-	-	-	1,240	434	1,673
3c.0	TOTAL PERIOD 3c COST					-	-	-	-	-	-	1,240	434	1,673
PERIOD 3d - GTCC shipping														
Period 3d Direct Decommissioning Activities														
Nuclear Steam Supply System Removal														
3d.1.1.1	Vessel & Internals GTCC Disposal				433	-	-	195	-	-	13,562	-	4,815	18,572
3d.1.1	Totals				433	-	-	195	-	-	13,562	-	4,815	18,572
3d.1	Subtotal Period 3d Activity Costs				433	-	-	195	-	-	13,562	-	4,815	18,572
Period 3d Period-Dependent Costs														
3d.4.1	Insurance					-	-	-	-	-	-	13	4	17
3d.4.2	Property taxes					-	-	-	-	-	-	3	1	5
3d.4.3	Plant energy budget					-	-	-	-	-	-	-	-	-
3d.4.4	NRC ISFSI Fees					-	-	-	-	-	-	6	-	6
3d.4.5	Emergency Planning Fees					-	-	-	-	-	-	14	5	19
3d.4.6	ISFSI Operating Costs					-	-	-	-	-	-	6	2	8
3d.4.7	ISFSI Fixed Costs					-	-	-	-	-	-	12	4	16
3d.4.8	Security Staff Cost					-	-	-	-	-	-	12	4	16
3d.4.9	Utility Staff Cost					-	-	-	-	-	-	30	11	41
3d.4	Subtotal Period 3d Period-Dependent Costs					-	-	-	-	-	-	94	33	128
3d.0	TOTAL PERIOD 3d COST				433	-	-	195	-	-	13,562	94	4,848	18,699
PERIOD 3e - ISFSI Decontamination														
Period 3e Direct Decommissioning Activities														
Period 3e Additional Costs														
3e.2.1	ISFSI License Termination	4,881				-	759	7	100	-	1,742	884	1,222	4,715
3e.2	Subtotal Period 3e Additional Costs	4,881				-	759	7	100	-	1,742	884	1,222	4,715
Period 3e Collateral Costs														
3e.3.1	Small tool allowance					-	9	-	-	-	-	-	3	13
3e.3	Subtotal 3e Collateral Costs					-	9	-	-	-	-	-	3	13
Period 3e Period-Dependent Costs														
3e.4.1	Insurance					-	-	-	-	-	-	-	-	-

Note: Totals may not sum due to rounding

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

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
3e.4.2	Property taxes	-	-	-	-	-	-	29	3	32
3e.4.3	Heavy equipment rental	-	132	-	-	-	-	-	20	152
3e.4.4	Plant energy budget	-	-	-	-	-	-	16	2	18
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	-	41	-	41
3e.4.6	Security Staff Cost	-	-	-	-	-	-	83	12	95
3e.4.7	Utility Staff Cost	-	-	-	-	-	-	198	30	228
3e.4	Subtotal Period 3e Period-Dependent Costs	-	132	-	-	-	-	368	67	567
3e.0	TOTAL PERIOD 3e COST	-	792	6	70	-	2,197	1,126	905	5,095
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
3f.2	Subtotal Period 3f Additional Costs	-	831	-	-	-	-	20	211	1,062
Period 3f Collateral Costs										
3f.3.1	Small tool allowance	-	2	-	-	-	-	-	-	3
3f.3	Subtotal 3f Collateral Costs	-	2	-	-	-	-	-	-	3
Period 3f Period-Dependent Costs										
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes	-	-	-	-	-	-	15	1	16
3f.4.3	Heavy equipment rental	-	44	-	-	-	-	-	7	50
3f.4.4	Plant energy budget	-	-	-	-	-	-	8	1	9
3f.4.5	NRC ISFSI Fees	-	-	-	-	-	-	21	-	21
3f.4.6	Security Staff Cost	-	-	-	-	-	-	42	6	48
3f.4.7	Utility Staff Cost	-	-	-	-	-	-	89	13	102
3f.4	Subtotal Period 3f Period-Dependent Costs	-	44	-	-	-	-	174	29	247
3f.0	TOTAL PERIOD 3f COST	-	877	-	-	-	-	195	240	1,311
PERIOD 3 TOTALs		-	21,730	172	70	-	11,644	17,464	7,871	58,951
TOTAL COST TO DECOMMISSION		9,877	74,195	13,165	6,012	30,195	80,606	337,667	102,819	654,535

a - indicates that this activity performed by decommissioning staff

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/cf.)

ID Number	Activity Description	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
3e.4.2	Property taxes					-	-	-	-	-	-	34	12	46
3e.4.3	Heavy equipment rental					-	154	-	-	-	-	-	54	208
3e.4.4	Plant energy budget					-	-	-	-	-	-	19	7	25
3e.4.5	NRC ISFSI Fees					-	-	-	-	-	-	48	-	48
3e.4.6	Security Staff Cost					-	-	-	-	-	-	97	34	131
3e.4.7	Utility Staff Cost					-	-	-	-	-	-	231	81	312
3e.4	Subtotal Period 3e Period-Dependent Costs					-	154	-	-	-	-	429	204	787
3e.0	TOTAL PERIOD 3e COST	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					-	969	-	-	-	-	23	347	1,340
3f.2	Subtotal Period 3f Additional Costs					-	969	-	-	-	-	23	347	1,340
Period 3f Collateral Costs														
3f.3.1	Small tool allowance					-	2	-	-	-	-	-	1	3
3f.3	Subtotal 3f Collateral Costs					-	2	-	-	-	-	-	1	3
Period 3f Period-Dependent Costs														
3f.4.1	Insurance					-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes					-	-	-	-	-	-	17	6	24
3f.4.3	Heavy equipment rental					-	51	-	-	-	-	-	18	69
3f.4.4	Plant energy budget					-	-	-	-	-	-	9	3	13
3f.4.5	NRC ISFSI Fees					-	-	-	-	-	-	24	-	24
3f.4.6	Security Staff Cost					-	-	-	-	-	-	49	17	66
3f.4.7	Utility Staff Cost					-	-	-	-	-	-	104	36	140
3f.4	Subtotal Period 3f Period-Dependent Costs					-	51	-	-	-	-	203	89	343
3f.0	TOTAL PERIOD 3f COST					-	1,023	-	-	-	-	227	438	1,688
PERIOD 3 TOTALs		4,881	-	-	433	-	25,339	201	100	-	15,304	20,365	21,458	82,787
TOTAL COST TO DECOMMISSION		117,820	11,625	574	433	11,518	86,519	15,352	8,631	43,348	81,629	393,753	224,262	865,012

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site: A CF	B CF	C CF	GTCC
PERIOD 1a - Shutdown through Transition														
Period 1a Direct Decommissioning Activities														
1a.1.1	Prepare preliminary decommissioning cost	-	-	-	-	-	-	55	8	63				
1a.1.2	Notification of Cessation of Operations	-	-	-	-	-	-	-	-	a				
1a.1.3	Remove fuel & source material	-	-	-	-	-	-	-	-	n/a				
1a.1.4	Notification of Permanent Defueling	-	-	-	-	-	-	-	-	a				
1a.1.5	Deactivate plant systems & process waste	-	-	-	-	-	-	-	-	a				
1a.1.6	Prepare and submit PSDAR	-	-	-	-	-	-	84	13	97				
1a.1.7	Review plant dwgs & specs.	-	-	-	-	-	-	194	29	223				
1a.1.8	Perform detailed rad survey	-	-	-	-	-	-	-	-	a				
1a.1.9	Estimate by-product inventory	-	-	-	-	-	-	42	6	48				
1a.1.10	End product description	-	-	-	-	-	-	42	6	48				
1a.1.11	Detailed by-product inventory	-	-	-	-	-	-	55	8	63				
1a.1.12	Define major work sequence	-	-	-	-	-	-	316	47	363				
1a.1.13	Perform SER and EA	-	-	-	-	-	-	130	20	150				
1a.1.14	Perform Site-Specific Cost Study	-	-	-	-	-	-	210	32	242				
1a.1.15	Prepare/submit License Termination Plan	-	-	-	-	-	-	172	26	198				
1a.1.16	Receive NRC approval of termination plan	-	-	-	-	-	-	-	-	a				
Activity Specifications														
1a.1.17.1	Plant & temporary facilities	-	-	-	-	-	-	207	31	238				
1a.1.17.2	Plant systems	-	-	-	-	-	-	175	26	202				
1a.1.17.3	NSSS Decontamination Flush	-	-	-	-	-	-	21	3	24				
1a.1.17.4	Reactor internals	-	-	-	-	-	-	299	45	343				
1a.1.17.5	Reactor vessel	-	-	-	-	-	-	273	41	314				
1a.1.17.6	Biological shield	-	-	-	-	-	-	21	3	24				
1a.1.17.7	Steam generators	-	-	-	-	-	-	131	20	151				
1a.1.17.8	Reinforced concrete	-	-	-	-	-	-	67	10	77				
1a.1.17.9	Main Turbine	-	-	-	-	-	-	17	3	19				
1a.1.17.10	Main Condensers	-	-	-	-	-	-	17	3	19				
1a.1.17.11	Plant structures & buildings	-	-	-	-	-	-	131	20	151				
1a.1.17.12	Waste management	-	-	-	-	-	-	194	29	223				
1a.1.17.13	Facility & site closeout	-	-	-	-	-	-	38	6	44				
1a.1.17	Total	-	-	-	-	-	-	1,591	239	1,830				
Planning & Site Preparations														
1a.1.18	Prepare dismantling sequence	-	-	-	-	-	-	101	15	116				
1a.1.19	Plant prep. & temp. svces	-	-	-	-	-	-	2,419	363	2,782				
1a.1.20	Design water clean-up system	-	-	-	-	-	-	59	9	68				
1a.1.21	Rigging/Cont.Cntrl Envlps/tooling/etc.	-	-	-	-	-	-	2,048	307	2,355				
1a.1.22	Procure casks/liners & containers	-	-	-	-	-	-	52	8	60				
1a.1	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	7,569	1,135	8,705				
Period 1a Additional Costs														
1a.2.1	Spent Fuel Pool Isolation	-	-	-	-	-	-	5,225	784	60,009				
1a.2	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	5,225	784	60,009				
Period 1a Period-Dependent Costs														
1a.4.1	Insurance	-	-	-	-	-	-	1,531	153	1,684				
1a.4.2	Property taxes	-	-	-	-	-	-	88	9	97				
1a.4.3	Health physics supplies	-	287	-	-	-	-	-	72	359				
1a.4.4	Heavy equipment rental	-	383	-	-	-	-	-	57	440				
1a.4.5	Disposal of DAW generated	-	-	5	2	-	164	-	42	214	365			
1a.4.6	Plant energy budget	-	-	-	-	-	-	970	145	1,115				
1a.4.7	NRC ISFSI Fees	-	-	-	-	-	-	125	-	125				
1a.4.8	NRC Fees	-	-	-	-	-	-	265	27	292				
1a.4.9	Emergency Planning Fees	-	-	-	-	-	-	1,097	110	1,206				
1a.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	866	130	995				
1a.4.11	ISFSI Operating Costs	-	-	-	-	-	-	125	19	144				
1a.4.12	ISFSI Fixed Costs	-	-	-	-	-	-	250	37	287				
1a.4.13	Security Staff Cost	-	-	-	-	-	-	2,267	340	2,607				
1a.4.14	Utility Staff Cost	-	-	-	-	-	-	20,688	3,103	23,789				
1a.4	Subtotal 1a.4 Period-Dependent Costs	-	670	5	2	-	164	28,268	4,244	33,354	365			
1a.0	TOTAL PERIOD 1a COST	-	670	5	2	-	164	41,063	6,163	48,068	365			
Period 1b Direct Decommissioning Activities														
Detailed Work Procedures														
1b.1.1.1	Plant systems	-	-	-	-	-	-	199	30	229				
1b.1.1.2	NSSS Decontamination Flush	-	-	-	-	-	-	42	6	48				
1b.1.1.3	Reactor internals	-	-	-	-	-	-	405	16	121				
1b.1.1.4	Remaining buildings	-	-	-	-	-	-	57	9	65				
1b.1.1.5	CRD cooling assembly	-	-	-	-	-	-	472	6	48				
1b.1.1.6	CRD housings & ICI tubes	-	-	-	-	-	-	42	6	48				
1b.1.1.7	Incore instrumentation	-	-	-	-	-	-	42	6	48				
1b.1.1.8	Reactor vessel	-	-	-	-	-	-	153	23	176				
1b.1.1.9	Facility closeout	-	-	-	-	-	-	50	8	58				
1b.1.1.10	Missile shields	-	-	-	-	-	-	19	3	22				
1b.1.1.11	Biological shield	-	-	-	-	-	-	50	8	58				
1b.1.1.12	Steam generators	-	-	-	-	-	-	194	29	223				
1b.1.1.13	Reinforced concrete	-	-	-	-	-	-	42	6	48				
1b.1.1.14	Main Turbine	-	-	-	-	-	-	66	10	75				
1b.1.1.15	Main Condenser	-	-	-	-	-	-	66	10	75				

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 Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site: A CF	B CF	C CF	GTCC
PERIOD 1a - Shutdown through Transition														
Period 1a Direct Decommissioning Activities														
1a.1.1	Prepare preliminary decommissioning cost	-	-	-	-	-	-	64	22	86				
1a.1.2	Notification of Cessation of Operations	-	-	-	-	-	-	-	-	a				
1a.1.3	Remove fuel & source material	-	-	-	-	-	-	-	-	n/a				
1a.1.4	Notification of Permanent Defueling	-	-	-	-	-	-	-	-	a				
1a.1.5	Deactivate plant systems & process waste	-	-	-	-	-	-	-	-	a				
1a.1.6	Prepare and submit PSDAR	-	-	-	-	-	-	98	34	132				
1a.1.7	Review plant dwgs & specs.	-	-	-	-	-	-	225	79	304				
1a.1.8	Perform detailed rad survey	-	-	-	-	-	-	-	-	-				
1a.1.9	Estimate by-product inventory	-	-	-	-	-	-	49	17	66				
1a.1.10	End product description	-	-	-	-	-	-	49	17	66				
1a.1.11	Detailed by-product inventory	-	-	-	-	-	-	64	22	86				
1a.1.12	Define major work sequence	-	-	-	-	-	-	367	129	496				
1a.1.13	Perform SER and EA	-	-	-	-	-	-	151	53	204				
1a.1.14	Perform Site-Specific Cost Study	-	-	-	-	-	-	244	85	329				
1a.1.15	Prepare/submit License Termination Plan	-	-	-	-	-	-	200	70	270				
1a.1.16	Receive NRC approval of termination plan	-	-	-	-	-	-	-	-	a				
Activity Specifications														
1a.1.17.1	Plant & temporary facilities	-	-	-	-	-	-	241	84	325				
1a.1.17.2	Plant systems	-	-	-	-	-	-	203	71	274				
1a.1.17.3	NSSS Decontamination Flush	-	-	-	-	-	-	24	9	33				
1a.1.17.4	Reactor internals	-	-	-	-	-	-	347	122	469				
1a.1.17.5	Reactor vessel	-	-	-	-	-	-	317	111	428				
1a.1.17.6	Biological shield	-	-	-	-	-	-	24	9	33				
1a.1.17.7	Steam generators	-	-	-	-	-	-	152	53	205				
1a.1.17.8	Reinforced concrete	-	-	-	-	-	-	78	27	105				
1a.1.17.9	Main Turbine	-	-	-	-	-	-	20	7	27				
1a.1.17.10	Main Condensers	-	-	-	-	-	-	20	7	27				
1a.1.17.11	Plant structures & buildings	-	-	-	-	-	-	152	53	205				
1a.1.17.12	Waste management	-	-	-	-	-	-	225	79	304				
1a.1.17.13	Facility & site closeout	-	-	-	-	-	-	44	15	60				
1a.1.17	Total	-	-	-	-	-	-	1,849	647	2,496				
Planning & Site Preparations														
1a.1.18	Prepare dismantling sequence	-	-	-	-	-	-	117	41	158				
1a.1.19	Plant prep. & temp. svces	-	-	-	-	-	-	2,811	984	3,794				
1a.1.20	Design water clean-up system	-	-	-	-	-	-	69	24	93				
1a.1.21	Rigging/Cont.Cntrl Envlps/tooling/etc.	-	-	-	-	-	-	2,380	833	3,212				
1a.1.22	Procure casks/liners & containers	-	-	-	-	-	-	60	21	82				
1a.1	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	8,794	3,078	11,872				
Period 1a Additional Costs														
1a.2.1	Spent Fuel Pool Isolation	-	-	-	-	-	-	6,071	2,125	8,196				
1a.2	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	6,071	2,125	8,196				
Period 1a Period-Dependent Costs														
1a.4.1	Insurance	-	-	-	-	-	-	1,779	623	2,401				
1a.4.2	Property taxes	-	-	-	-	-	-	102	36	138				
1a.4.3	Health physics supplies	-	333	-	-	-	-	-	117	450				
1a.4.4	Heavy equipment rental	-	445	-	-	-	-	-	156	601				
1a.4.5	Disposal of DAW generated	-	-	6	3	-	130	-	48	187				
1a.4.6	Plant energy budget	-	-	-	-	-	-	1,127	394	1,522				
1a.4.7	NRC ISFSI Fees	-	-	-	-	-	-	145	-	145				
1a.4.8	NRC Fees	-	-	-	-	-	-	308	108	416				
1a.4.9	Emergency Planning Fees	-	-	-	-	-	-	1,275	446	1,721				
1a.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	1,006	352	1,358				
1a.4.11	ISFSI Operating Costs	-	-	-	-	-	-	145	51	196				
1a.4.12	ISFSI Fixed Costs	-	-	-	-	-	-	290	102	392				
1a.4.13	Security Staff Cost	-	-	-	-	-	-	2,634	922	3,556				
1a.4.14	Utility Staff Cost	-	-	-	-	-	-	24,037	8,413	32,450				
1a.4	Subtotal 1a.4 Period-Dependent Costs	-	778	6	3	-	130	32,845	11,817	45,578				
1a.0	TOTAL PERIOD 1a COST	-	778	6	3	-	130	47,711	17,020	65,648				
Period 1b Direct Decommissioning Activities														
Detailed Work Procedures														
1b.1.1.1	Plant systems	-	-	-	-	-	-	231	81	312				
1b.1.1.2	NSSS Decontamination Flush	-	-	-	-	-	-	49	17	66				
1b.1.1.3	Reactor internals	-	-	-	-	-	-	471	165	635				
1b.1.1.4	Remaining buildings	-	-	-	-	-	-	66	23	89				
1b.1.1.5	CRD cooling assembly	-	-	-	-	-	-	548	192	740				
1b.1.1.6	CRD housings & ICI tubes	-	-	-	-	-	-	49	17	66				
1b.1.1.7	Incore instrumentation	-	-	-	-	-	-	49	17	66				
1b.1.1.8	Reactor vessel	-	-	-	-	-	-	178	62	240				
1b.1.1.9	Facility closeout	-	-	-	-	-	-	58	20	78				
1b.1.1.10	Missile shields	-	-	-	-	-	-	22	8	30				
1b.1.1.11	Biological shield	-	-	-	-	-	-	58	20	78				
1b.1.1.12	Steam generators	-	-	-	-	-	-	225	79	304				
1b.1.1.13	Reinforced concrete	-	-	-	-	-	-	49	17	66				
1b.1.1.14	Main Turbine	-	-	-	-	-	-	77	27	104				
1b.1.1.15	Main Condenser	-	-	-	-	-	-	77	27	104				

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
1b.1.1.16	Auxiliary building	-	-	-	-	-	-	115	17	132	-	-	-	-
1b.1.1.17	Reactor building	-	-	-	-	-	-	115	17	132	-	-	-	-
1b.1.1	Total	-	-	-	-	-	-	1,398	210	1,608	-	-	-	-
1b.1.2	Decon primary loop	1,339	-	-	-	-	-	-	670	2,009	-	-	-	-
1b.1	Subtotal Period 1b Activity Costs	1,339	-	-	-	-	-	1,398	879	3,617	-	-	-	-
Period 1b Additional Costs														
1b.2.1	Site Characterization	-	-	-	-	-	-	936	281	1,216	-	-	-	-
1b.2.2	Cofferdam Construction and Teardown	-	353	-	-	-	-	-	53	405	-	-	-	-
1b.2.3	Hazardous Waste Management	-	-	-	-	-	-	577	87	663	-	-	-	-
1b.2.4	Mixed Waste Management	-	-	-	-	-	-	577	87	663	-	-	-	-
1b.2	Subtotal Period 1b Activity Costs	-	353	-	-	-	-	2,089	507	2,948	-	-	-	-
Period 1b Collateral Costs														
1b.3.1	Decon equipment	816	-	-	-		-	-	122	938	-	-	-	-
1b.3.2	DOC staff relocation expenses	-	-	-	-			1,021	153	1,174	-	-	-	-
1b.3.3	Process liquid waste	59	-	561	605	-	4,103	-	1,452	7,725	-	5,731	-	-
1b.3.4	Small tool allowance	-	4	-	-		-	-	1	5	-	-	-	-
1b.3.5	Pipe cutting equipment	-	957	-	-		-	-	143	1,100	-	-	-	-
1b.3.6	Decon rig	1,243	-	-	-		-	-	186	1,430	-	-	-	-
1b.3	Subtotal Period 1b Collateral Costs	2,118	961	561	605		5,103	1,021	2,058	12,427	-	5,731	-	-
Period 1b Period-Dependent Costs														
1b.4.1	Decon supplies	25	-	-	-	-	-	-	6	31	-	-	-	-
1b.4.2	Insurance	-	-	-	-	-	-	768	77	844	-	-	-	-
1b.4.3	Property taxes	-	-	-	-	-	-	44	4	48	-	-	-	-
1b.4.4	Health physics supplies	-	214	-	-	-	-	-	54	268	-	-	-	-
1b.4.5	Heavy equipment rental	-	192	-	-	-	-	-	29	221	-	-	-	-
1b.4.6	Disposal of DAW generated	-	-	3	1	-	89	-	23	116	198	-	-	-
1b.4.7	Plant energy budget	-	-	-	-	-	-	972	146	1,118	-	-	-	-
1b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	63	-	63	-	-	-	-
1b.4.9	NRC Fees	-	-	-	-	-	-	133	13	146	-	-	-	-
1b.4.10	Emergency Planning Fees	-	-	-	-	-	-	550	55	605	-	-	-	-
1b.4.11	Spent Fuel Pool O&M	-	-	-	-	-	-	434	65	499	-	-	-	-
1b.4.12	ISFSI Operating Costs	-	-	-	-	-	-	63	9	72	-	-	-	-
1b.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	125	19	144	-	-	-	-
1b.4.14	Security Staff Cost	-	-	-	-	-	-	1,136	170	1,307	-	-	-	-
1b.4.15	DOC Staff Cost	-	-	-	-	-	-	3,157	474	3,630	-	-	-	-
1b.4.16	Utility Staff Cost	-	-	-	-	-	-	10,371	1,556	11,927	-	-	-	-
1b.4	Subtotal Period 1b Period-Dependent Costs	25	406	3	1	-	89	17,816	2,700	21,040	-	-	-	-
1b.0	TOTAL PERIOD 1b COST	3,483	1,719	564	606		5,192	22,325	6,144	40,033	198	5,731	-	-
PERIOD 1 TOTALS		3,483	2,389	569	609		5,356	63,388	12,307	88,101	563	5,731	-	-
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	-	-	-
2a.1.1.2	Pressurizer Quench Tank	26	23	4	6	-	194	-	69	322	329	-	-	-
2a.1.1.3	Reactor Coolant Pumps & Motors	97	79	43	41	119	4,301	-	1,172	5,852	5,000	-	-	-
2a.1.1.4	Pressurizer	32	48	423	61	-	567	-	221	1,353	1,800	-	-	-
2a.1.1.5	Steam Generators	336	3,152	2,236	666	2,283	6,495	112	3,263	18,544	17,719	-	-	-
2a.1.1.6	Retired Steam Generator Units	-	-	1,824	659	2,255	6,495	112	2,260	13,604	17,342	-	-	-
2a.1.1.7	CRDMs/ICIs/Service Structure Removal	74	59	101	32	-	267	-	133	666	2,843	-	-	-
2a.1.1.8	Reactor Vessel Internals	109	1,917	4,578	636	-	6,029	194	5,840	19,303	1,502	845	574	-
2a.1.1.9	Reactor Vessel	81	3,631	1,298	474	-	8,540	194	7,506	21,724	6,418	2,379	-	-
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	-
Removal of Major Equipment														
2a.1.2	Main Turbine/Generator	-	420	213	60	758	1,111	-	527	3,088	2,443	-	-	-
2a.1.3	Main Condensers	-	1,199	105	64	605	886	-	632	3,492	1,971	-	-	-
Cascading Costs from Clean Building Demolition														
2a.1.4.1	Reactor	-	1,071	-	-	-	-	-	161	1,232	-	-	-	-
2a.1.4.2	Auxiliary	-	601	-	-	-	-	-	90	692	-	-	-	-
2a.1.4.3	Containment Penetration Area	-	52	-	-	-	-	-	8	60	-	-	-	-
2a.1.4.4	Radwaste Storage	-	65	-	-	-	-	-	10	75	-	-	-	-
2a.1.4.5	Fuel Handling	-	140	-	-	-	-	-	21	161	-	-	-	-
2a.1.4	Totals	-	1,929	-	-	-	-	-	289	2,219	-	-	-	-
Disposal of Plant Systems														
2a.1.5.1	Auxiliary Steam	-	100	3	12	188	-	-	55	359	-	-	-	-
2a.1.5.2	Auxiliary Steam (RCA)	-	85	1	6	88	-	-	35	216	-	-	-	-
2a.1.5.3	Building Services (Non-Power Block)	-	4	-	-	-	-	-	1	5	-	-	-	-
2a.1.5.4	Condensate System	-	602	49	220	3,349	-	-	741	5,160	-	-	-	-
2a.1.5.5	Condensate System (Insulated)	-	303	16	73	1,108	-	-	255	1,755	-	-	-	-
2a.1.5.6	Containment Spray	-	142	8	34	514	-	-	118	816	-	-	-	-
2a.1.5.7	Extraction Steam & Heater Drip	-	303	12	55	842	-	-	212	1,425	-	-	-	-
2a.1.5.8	Feedwater System	-	73	10	45	687	-	-	129	945	-	-	-	-

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 Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
1b.1.1.16	Auxiliary building	-	-	-	-	-	-	134	47	180
1b.1.1.17	Reactor building	-	-	-	-	-	-	134	47	180
1b.1.1	Total	-	-	-	-	-	-	1,624	569	2,193
1b.1.2	Decon primary loop	1,556	-	-	-	-	-	-	545	2,100
1b.1	Subtotal Period 1b Activity Costs	1,556	-	-	-	-	-	1,624	1,113	4,293
Period 1b Additional Costs										
1b.2.1	Site Characterization	-	-	-	-	-	-	1,088	381	1,468
1b.2.2	Cofferdam Construction and Teardown	-	410	-	-	-	-	-	144	554
1b.2.3	Hazardous Waste Management	-	-	-	-	-	-	670	235	905
1b.2.4	Mixed Waste Management	-	-	-	-	-	-	670	235	905
1b.2	Subtotal Period 1b Activity Costs	-	410	-	-	-	-	2,427	993	3,830
Period 1b Collateral Costs										
1b.3.1	Decon equipment	948	-	-	-	-	-	-	332	1,280
1b.3.2	DOC staff relocation expenses	-	-	-	-	-	-	1,186	415	1,602
1b.3.3	Process liquid waste	69	-	652	869	-	5,890	-	2,618	10,097
1b.3.4	Small tool allowance	-	5	-	-	-	-	-	2	6
1b.3.5	Pipe cutting equipment	-	1,112	-	-	-	-	-	389	1,501
1b.3.6	Decon rig	1,444	-	-	-	-	-	-	505	1,950
1b.3	Subtotal Period 1b Collateral Costs	2,461	1,117	652	869	-	7,326	1,186	4,764	18,374
Period 1b Period-Dependent Costs										
1b.4.1	Decon supplies	29	-	-	-	-	-	-	10	39
1b.4.2	Insurance	-	-	-	-	-	-	892	312	1,205
1b.4.3	Property taxes	-	-	-	-	-	-	51	18	69
1b.4.4	Health physics supplies	-	249	-	-	-	-	-	87	336
1b.4.5	Heavy equipment rental	-	223	-	-	-	-	-	78	301
1b.4.6	Disposal of DAW generated	-	-	3	1	-	70	-	28	102
1b.4.7	Plant energy budget	-	-	-	-	-	-	1,129	395	1,525
1b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	73	26	99
1b.4.9	NRC Fees	-	-	-	-	-	-	155	54	209
1b.4.10	Emergency Planning Fees	-	-	-	-	-	-	639	224	863
1b.4.11	Spent Fuel Pool O&M	-	-	-	-	-	-	504	176	681
1b.4.12	ISFSI Operating Costs	-	-	-	-	-	-	73	26	99
1b.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	145	51	196
1b.4.14	Security Staff Cost	-	-	-	-	-	-	1,320	462	1,782
1b.4.15	DOC Staff Cost	-	-	-	-	-	-	3,668	1,284	4,952
1b.4.16	Utility Staff Cost	-	-	-	-	-	-	12,050	4,218	16,268
1b.4	Subtotal Period 1b Period-Dependent Costs	29	472	3	1	-	128	20,700	7,467	28,801
1b.0	TOTAL PERIOD 1b COST	4,047	1,997	655	870	-	7,396	25,939	14,317	55,222
PERIOD 1 TOTALS		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	287	258	29	55	-	1,357	-	695	2,681
2a.1.1.2	Pressurizer Quench Tank	30	27	5	9	-	183	-	89	342
2a.1.1.3	Reactor Coolant Pumps & Motors	113	92	50	59	171	4,728	-	1,824	7,036
2a.1.1.4	Pressurizer	37	56	491	88	-	293	-	338	1,303
2a.1.1.5	Steam Generators	390	3,662	2,598	956	3,277	4,198	130	5,324	20,536
2a.1.1.6	Retired Steam Generator Units	-	-	2,119	946	3,237	4,307	130	3,759	14,498
2a.1.1.7	CRDMs/ICIs/Service Structure Removal	86	69	117	46	-	1,014	-	466	1,798
2a.1.1.8	Reactor Vessel Internals	127	2,227	5,319	913	-	8,221	225	5,961	22,994
2a.1.1.9	Reactor Vessel	94	4,219	1,508	680	-	10,404	225	5,996	23,126
2a.1.1	Totals	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	-	488	247	86	1,068	868	-	979	3,777
2a.1.3	Main Condensers	-	1,393	122	92	869	702	-	1,112	4,289
Cascading Costs from Clean Building Demolition										
2a.1.4.1	Reactor	-	1,244	-	-	-	-	-	436	1,680
2a.1.4.2	Auxiliary	-	698	-	-	-	-	-	244	943
2a.1.4.3	Containment Penetration Area	-	60	-	-	-	-	-	21	82
2a.1.4.4	Radwaste Storage	-	76	-	-	-	-	-	26	102
2a.1.4.5	Fuel Handling	-	163	-	-	-	-	-	57	220
2a.1.4	Totals	-	2,241	-	-	-	-	-	784	3,026
Disposal of Plant Systems										
2a.1.5.1	Auxiliary Steam	-	116	3	17	270	-	-	142	549
2a.1.5.2	Auxiliary Steam (RCA)	-	99	1	9	126	-	-	82	317
2a.1.5.3	Building Services (Non-Power Block)	-	5	-	-	-	-	-	2	6
2a.1.5.4	Condensate System	-	932	57	316	4,808	-	-	2,139	8,252
2a.1.5.5	Condensate System (Insulated)	-	352	19	105	1,591	-	-	723	2,789
2a.1.5.6	Containment Spray	-	165	9	49	738	-	-	336	1,297
2a.1.5.7	Extraction Steam & Heater Drip	-	352	14	79	1,209	-	-	579	2,233
2a.1.5.8	Feedwater System	-	85	12	65	986	-	-	402	1,549

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site: A CF	B CF	C CF	GTCC
2a.1.5.9	Feedwater System (Insulated)	-	106	9	41	-	-	-	16	121				
2a.1.5.10	Feedwater System (RCA Insulated)	-	72	2	10	147	-	-	42	273				
2a.1.5.11	Feedwater System (RCA)	-	3	-	1	8	-	-	2	14				
2a.1.5.12	NSSS Sampling System	-	99	2	3	6	77	-	46	234	162			
2a.1.5.13	NSSS Sampling System (Insulated)	-	29	-	-	-	9	-	10	49	20			
2a.1.5.14	Nitrogen & Hydrogen	-	13	-	-	-	-	-	2	14	-			
2a.1.5.15	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	-	1	-			
2a.1.5.16	Nitrogen & Hydrogen (RCA Insulated)	-	3	-	-	1	-	-	1	6	-			
2a.1.5.17	Nitrogen & Hydrogen (RCA)	-	63	-	2	25	-	-	20	110	-			
2a.1.5.18	Oily Water Separator & TB Sump	-	18	-	2	31	-	-	10	62	-			
2a.1.5.19	Saltwater System	-	120	-	-	-	-	-	18	138	-			
2a.1.5.20	Turbine Steam Supply	-	963	64	288	4,380	-	-	947	6,642	-			
2a.1.5.21	Turbine Steam Supply (RCA)	-	529	16	77	1,172	-	-	321	2,117	-			
2a.1.5.22	Turbine and Generator	-	93	3	16	238	-	-	62	412	-			
2a.1.5.23	Turbine and Generator (Insulated)	-	34	1	3	44	-	-	16	97	-			
2a.1.5	Totals	-	3,958	192	846	12,829	87	-	3,057	20,970	182			
2a.1.6	Scaffolding in support of decommissioning	-	3,549	16	8	111	34	-	915	4,634	76			
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	
Period 2a Collateral Costs														
2a.2.1	Curie Surcharge	-	-	-	-	-	1,095	-	274	1,369				
2a.2.2	Old RPV Head	-	91	124	44	-	1,064	14	645	1,982	2,002			
2a.2	Subtotal Period 2a Additional Costs	-	91	124	44	-	2,160	14	919	3,351	2,002			
Period 2a Collateral Costs														
2a.3.1	Process liquid waste	81	-	34	86	-	431	-	164	796	-	564		
2a.3.2	Small tool allowance	-	254	-	-	-	-	-	36	263	-			
2a.3	Subtotal Period 2a Collateral Costs	81	254	34	86	-	431	-	202	1,062	-	564		
Period 2a Period-Dependent Costs														
2a.4.1	Decon supplies	76	-	-	-	-	-	-	19	95				
2a.4.2	Insurance	-	-	-	-	-	-	952	95	1,053				
2a.4.3	Property taxes	-	-	-	-	-	-	134	13	147				
2a.4.4	Health physics supplies	-	1,623	-	-	-	-	-	406	2,029				
2a.4.5	Heavy equipment rental	-	2,996	-	-	-	-	-	449	3,445				
2a.4.6	Disposal of DAW generated	-	-	74	33	-	2,241	-	572	2,920	4,979			
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,401	210	1,611				
2a.4.8	NRC ISFSI Fees	-	-	-	-	-	-	190	-	190				
2a.4.9	NRC Fees	-	-	-	-	-	-	498	50	548				
2a.4.10	Emergency Planning Fees	-	-	-	-	-	-	834	83	917				
2a.4.11	Spent Fuel Pool O&M	-	-	-	-	-	-	1,316	197	1,514				
2a.4.12	ISFSI Operating Costs	-	-	-	-	-	-	190	28	218				
2a.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	380	57	437				
2a.4.14	Security Staff Cost	-	-	-	-	-	-	4,300	645	4,945				
2a.4.15	DOC Staff Cost	-	-	-	-	-	-	16,338	2,451	18,789				
2a.4.16	Utility Staff Cost	-	-	-	-	-	-	28,942	4,341	33,283				
2a.4	Subtotal Period 2a Period-Dependent Costs	76	4,619	74	33	-	2,241	55,474	9,618	72,135	4,979			
2a.0	TOTAL PERIOD 2a COSTS	1,160	25,150	11,290	3,755	18,960	41,216	56,100	37,156	194,786	66,773	3,788	574	
PERIOD 2b - Site Decontamination														
Period 2b Direct Decommissioning Activities														
Disposal of Plant Systems														
2b.1.1.1	Capital Additions 85-2002 (clean)	-	634	-	-	-	-	-	95	730				
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	297	6	17	214	104	-	135	773	221			
2b.1.1.3	Chemical & Volume Control	537	633	33	44	302	894	-	705	3,147	2,011			
2b.1.1.4	Chemical & Volume Control (Insulated)	189	243	10	9	29	264	-	228	971	554			
2b.1.1.5	Component Cooling Water	-	124	-	-	-	-	-	19	143	-			
2b.1.1.6	Component Cooling Water (RCA)	-	357	10	43	656	-	-	195	1,262	-			
2b.1.1.7	Compressed Air	-	77	-	-	-	-	-	11	88	-			
2b.1.1.8	Compressed Air (Insulated)	-	4	-	-	-	-	-	1	5	-			
2b.1.1.9	Compressed Air (RCA Insulated)	-	17	-	1	8	-	-	6	32	-			
2b.1.1.10	Compressed Air (RCA)	-	317	2	10	159	-	-	105	593	-			
2b.1.1.11	Diesel Engine-Generator	-	74	-	-	-	-	-	11	85	-			
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	2	-	-	-	-	-	-	2	-			
2b.1.1.13	Electrical (Clean)	-	2,056	-	-	-	-	-	308	2,365	-			
2b.1.1.14	Electrical (Contaminated)	-	216	3	13	182	30	-	91	535	63			
2b.1.1.15	Electrical (RCA)	-	1,309	24	104	1,573	-	-	581	3,591	-			
2b.1.1.16	Fire Protection	-	229	8	37	561	-	-	148	983	-			
2b.1.1.17	Gaseous Radwaste	-	79	3	5	45	61	-	43	236	131			
2b.1.1.18	HVAC (Clean Insulated)	-	25	-	-	-	-	-	4	29	-			
2b.1.1.19	HVAC (Clean)	-	269	-	-	-	-	-	40	309	-			
2b.1.1.20	HVAC (Contaminated Insulated)	-	151	3	11	148	30	-	69	412	64			
2b.1.1.21	HVAC (Contaminated)	-	673	16	54	725	223	-	342	2,033	468			
2b.1.1.22	Liquid Radwaste	238	269	19	20	106	492	-	330	1,474	1,248			
2b.1.1.23	Liquid Radwaste (Insulated)	19	25	1	1	2	32	-	24	103	66			
2b.1.1.24	Lube Oil Distribution & Purification	-	164	4	17	256	-	-	82	523	-			
2b.1.1.25	Make-up Water	-	161	-	-	-	-	-	24	185	-			
2b.1.1.26	Make-up Water (Insulated)	-	15	-	-	-	-	-	2	18	-			
2b.1.1.27	Make-up Water (RCA Insulated)	-	19	-	1	18	-	-	8	47	-			
2b.1.1.28	Make-up Water (RCA)	-	98	2	7	103	-	-	41	251	-			
2b.1.1.29	Mechanical Department Equipment	-	1	-	-	-	-	-	-	1	-			

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 Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2a.1.5.9	Feedwater System (Insulated)	-	123	10	59	-	-	-	67	260
2a.1.5.10	Feedwater System (RCA Insulated)	-	84	2	14	211	-	-	109	420
2a.1.5.11	Feedwater System (RCA)	-	3	-	1	11	-	-	6	22
2a.1.5.12	NSSS Sampling System	-	115	2	4	9	64	-	68	262
2a.1.5.13	NSSS Sampling System (Insulated)	-	34	-	-	-	7	-	14	55
2a.1.5.14	Nitrogen & Hydrogen	-	15	-	-	-	-	-	5	20
2a.1.5.15	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	-	1
2a.1.5.16	Nitrogen & Hydrogen (RCA Insulated)	-	3	-	-	1	-	-	2	7
2a.1.5.17	Nitrogen & Hydrogen (RCA)	-	73	-	3	36	-	-	39	151
2a.1.5.18	Oily Water Separator & TB Sump	-	21	-	3	45	-	-	24	92
2a.1.5.19	Saltwater System	-	139	-	-	-	-	-	49	188
2a.1.5.20	Turbine Steam Supply	-	1,119	74	413	6,288	-	-	2,763	10,658
2a.1.5.21	Turbine Steam Supply (RCA)	-	615	21	111	1,683	-	-	850	3,279
2a.1.5.22	Turbine and Generator	-	108	3	23	342	-	-	167	643
2a.1.5.23	Turbine and Generator (Insulated)	-	40	1	4	63	-	-	38	146
2a.1.5	Totals	-	4,599	223	1,215	18,417	72	-	8,584	33,110
2a.1.6	Scaffolding in support of decommissioning	-	4,124	19	11	159	27	-	1,519	5,859
2a.1	Subtotal Period 2a Activity Costs	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	-	-	-	-	-	1,572	-	550	2,122
2a.2.2	Old RPV Head	-	106	144	63	-	948	16	447	1,725
2a.2	Subtotal Period 2a Additional Costs	-	106	144	63	-	2,522	16	998	3,849
Period 2a Collateral Costs										
2a.3.1	Process liquid waste	94	-	40	123	-	619	-	307	1,182
2a.3.2	Small tool allowance	-	295	-	-	-	-	-	103	398
2a.3	Subtotal Period 2a Collateral Costs	94	295	40	123	-	619	-	410	1,581
Period 2a Period-Dependent Costs										
2a.4.1	Decon supplies	88	-	-	-	-	-	-	31	119
2a.4.2	Insurance	-	-	-	-	-	-	1,106	387	1,493
2a.4.3	Property taxes	-	-	-	-	-	-	156	54	210
2a.4.4	Health physics supplies	-	1,886	-	-	-	-	-	660	2,546
2a.4.5	Heavy equipment rental	-	3,481	-	-	-	-	-	1,218	4,699
2a.4.6	Disposal of DAW generated	-	-	86	47	-	1,777	-	668	2,578
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,628	570	2,198
2a.4.8	NRC ISFSI Fees	-	-	-	-	-	-	221	-	221
2a.4.9	NRC Fees	-	-	-	-	-	-	579	203	781
2a.4.10	Emergency Planning Fees	-	-	-	-	-	-	969	339	1,308
2a.4.11	Spent Fuel Pool O&M	-	-	-	-	-	-	1,529	535	2,064
2a.4.12	ISFSI Operating Costs	-	-	-	-	-	-	221	77	298
2a.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	442	155	596
2a.4.14	Security Staff Cost	-	-	-	-	-	-	4,996	1,749	6,745
2a.4.15	DOC Staff Cost	-	-	-	-	-	-	18,983	6,644	25,627
2a.4.16	Utility Staff Cost	-	-	-	-	-	-	33,628	11,770	45,397
2a.4	Subtotal Period 2a Period-Dependent Costs	88	5,367	86	47	-	1,777	64,455	25,137	96,957
2a.0	TOTAL PERIOD 2a COSTS	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.1.1.1	Capital Additions 85-2002 (clean)	-	737	-	-	-	-	-	258	994
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	345	7	24	307	85	-	269	1,038
2b.1.1.3	Chemical & Volume Control	624	735	38	63	434	702	-	909	3,505
2b.1.1.4	Chemical & Volume Control (Insulated)	220	282	12	13	42	219	-	275	1,062
2b.1.1.5	Component Cooling Water	-	144	-	-	-	-	-	50	195
2b.1.1.6	Component Cooling Water (RCA)	-	415	12	62	942	-	-	500	1,930
2b.1.1.7	Compressed Air	-	89	-	-	-	-	-	31	121
2b.1.1.8	Compressed Air (Insulated)	-	5	-	-	-	-	-	2	6
2b.1.1.9	Compressed Air (RCA Insulated)	-	20	-	1	11	-	-	11	44
2b.1.1.10	Compressed Air (RCA)	-	368	2	14	228	-	-	215	828
2b.1.1.11	Diesel Engine-Generator	-	86	-	-	-	-	-	30	116
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	2	-	-	-	-	-	1	3
2b.1.1.13	Electrical (Clean)	-	2,389	-	-	-	-	-	836	3,225
2b.1.1.14	Electrical (Contaminated)	-	251	3	19	261	25	-	196	755
2b.1.1.15	Electrical (RCA)	-	1,521	26	149	2,258	-	-	1,385	5,341
2b.1.1.16	Fire Protection	-	266	9	53	805	-	-	397	1,531
2b.1.1.17	Gaseous Radwaste	-	92	3	7	65	50	-	76	293
2b.1.1.18	HVAC (Clean Insulated)	-	29	-	-	-	-	-	10	39
2b.1.1.19	HVAC (Clean)	-	313	-	-	-	-	-	109	422
2b.1.1.20	HVAC (Contaminated Insulated)	-	175	3	16	212	25	-	151	583
2b.1.1.21	HVAC (Contaminated)	-	752	19	78	1,041	185	-	736	2,840
2b.1.1.22	Liquid Radwaste	277	313	22	29	152	346	-	398	1,536
2b.1.1.23	Liquid Radwaste (Insulated)	22	29	1	1	3	27	-	29	113
2b.1.1.24	Lube Oil Distribution & Purification	-	191	5	24	368	-	-	205	793
2b.1.1.25	Make-up Water	-	187	-	-	-	-	-	65	253
2b.1.1.26	Make-up Water (Insulated)	-	17	-	-	-	-	-	6	24
2b.1.1.27	Make-up Water (RCA Insulated)	-	22	-	1	26	-	-	17	67
2b.1.1.28	Make-up Water (RCA)	-	114	2	10	148	-	-	96	370
2b.1.1.29	Mechanical Department Equipment	-	1	-	-	-	-	-	0	2

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
2b.1.1.30	Miscellaneous Reactor Coolant	14	78	2	3	22	56	-	45	221	123			
2b.1.1.31	Nuclear Steam Supply Sampling	-	12	1	-	2	12	-	7	34	26			
2b.1.1.32	Nuclear Steam Supply Sampling (Insulated)	-	5	-	-	1	5	-	3	14	11			
2b.1.1.33	Residual Heat Removal	221	183	33	43	228	1,046	-	462	2,216	2,193			
2b.1.1.34	Safety Injection	-	76	3	5	57	55	-	42	239	120			
2b.1.1.35	Safety Injection (Insulated)	-	3	-	-	2	3	-	2	11	7			
2b.1.1.36	Safety Injection (RCA Insulated)	-	23	1	2	17	30	-	16	89	63			
2b.1.1.37	Safety Injection (RCA)	-	194	10	17	152	269	-	142	785	585			
2b.1.1.38	Service Cooling Water	-	90	-	-	-	-	-	13	103	-			
2b.1.1.39	Service Cooling Water (RCA)	-	22	-	2	26	-	-	10	60	-			
2b.1.1.40	Sewer System Expansion	-	31	-	-	-	-	-	5	36	-			
2b.1.1	Totals	1,217	9,258	195	466	5,595	3,607	-	4,397	24,733	7,932			
2b.1.2	Scaffolding in support of decommissioning	-	4,436	20	10	139	43	-	144	5,792	98			
Decontamination of Site Buildings														
2b.1.3.1	Reactor	1,182	1,313	231	304	319	8,742	-	3,221	15,312	19,464			
2b.1.3.2	Auxiliary	826	494	59	86	174	2,168	-	1,124	4,931	4,852			
2b.1.3.2	Capital Additions 85-2002	264	100	13	18	22	470	-	282	1,168	1,049			
2b.1.3.3	Containment Penetration Area	204	145	15	24	90	537	-	291	1,306	1,204			
2b.1.3.2	Radwaste Storage	5	45	6	9	6	235	-	75	381	524			
2b.1.3	Totals	2,481	2,098	324	440	610	12,152	-	4,993	23,098	27,093			
2b.1	Subtotal Period 2b Activity Costs	3,698	15,792	539	916	6,344	15,802	-	10,534	53,624	35,120			
Period 2b Collateral Costs														
2b.4.1	Process liquid waste	68	-	169	220	-	1,630	-	491	2,579	-	1,895		
2b.4.2	Small tool allowance	-	313	-	-	-	-	-	47	359	-			
2b.4.3	Spent Fuel Capital and Transfer	-	-	-	-	-	-	5,000	750	5,750	-			
2b.4.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	394	59	453	-			
2b.4	Subtotal Period 2a Collateral Costs	68	313	169	220	-	1,630	5,394	1,347	9,142	-	1,895		
Period 2b Period-Dependent Costs														
2b.4.1	Decon supplies	1,630	-	-	-	-	-	-	408	2,038	-			
2b.4.2	Insurance	-	-	-	-	-	-	5,730	573	6,303	-			
2b.4.3	Property taxes	-	-	-	-	-	-	805	80	885	-			
2b.4.4	Health physics supplies	-	4,080	-	-	-	-	-	1,020	5,100	-			
2b.4.5	Heavy equipment rental	-	4,345	-	-	-	-	-	652	4,996	-			
2b.4.6	Disposal of DAW generated	-	-	111	49	-	3,365	-	860	4,384	8,309			
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,269	340	2,610	-			
2b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	1,143	-	1,143	-			
2b.4.9	NRC Fees	-	-	-	-	-	-	2,347	236	2,582	-			
2b.4.10	Emergency Planning Fees	-	-	-	-	-	-	2,973	297	3,270	-			
2b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	1,620	243	1,864	-			
2b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	7,923	1,188	9,112	-			
2b.4.13	Spent Fuel Storage/Capital Equipment	-	-	-	-	-	-	43,631	6,545	50,175	-			
2b.4.14	ISFSI Operating Costs	-	-	-	-	-	-	1,143	172	1,315	-			
2b.4.15	ISFSI Fixed Costs	-	-	-	-	-	-	2,287	343	2,630	-			
2b.4.16	Security Staff Cost	-	-	-	-	-	-	13,625	2,044	15,669	-			
2b.4.17	DOC Staff Cost	-	-	-	-	-	-	22,649	3,397	26,046	-			
2b.4.18	Utility Staff Cost	-	-	-	-	-	-	75,099	11,265	86,364	-			
2b.4	Subtotal Period 2b Period-Dependent Costs	1,630	8,425	111	49	-	3,365	183,245	29,661	226,486	8,309			
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		
Period 2c - Decontamination 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			
Disposal of Plant Systems														
2c.1.2.1	Electrical (Contaminated) - FHB	-	66	1	2	34	6	-	23	132	12			
2c.1.2.2	Electrical (Decontaminated) - FHB	-	403	5	21	325	-	-	153	908	-			
2c.1.2.3	Fire Protection (RCA)	-	157	3	11	166	-	-	66	403	-			
2c.1.2.4	HVAC (Contaminated) - FHB	-	150	3	11	159	31	-	71	425	64			
2c.1.2.5	Spent Fuel Pit Cooling	-	56	13	17	89	398	-	131	703	834			
2c.1.2.6	Spent Fuel Pit Cooling - FHB	-	76	14	18	96	427	-	144	778	896			
2c.1.2.7	Totals	-	908	38	80	869	862	-	589	3,346	1,807			
Decontamination of Site Buildings														
2c.1.3.1	Fuel Handling	526	525	21	33	154	697	-	598	2,554	1,567			
2c.1.3	Totals	526	525	21	33	154	697	-	598	2,554	1,567			
2c.1.4	Scaffolding in support of decommissioning	-	887	4	2	28	9	-	229	1,158	19			
2c.1	Subtotal Period 2c Activity Costs	891	2,357	142	144	1,051	2,615	-	1,882	9,082	5,723			
Period 2c Collateral Costs														
2c.3.1	Process liquid waste	33	-	16	41	-	233	-	82	405	-	269		
2c.3.2	Small tool allowance	-	52	-	-	-	-	-	8	60	-			
2c.3.3	Decommissioning Equipment Disposition	-	-	74	46	513	159	-	131	922	353			
2c.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	166	25	190	-			
2c.3	Subtotal Period 2a Collateral Costs	33	52	90	87	513	392	166	246	1,578	353	269		
Period 2c Period-Dependent Costs														
2c.4.1	Decon supplies	184	-	-	-	-	-	-	46	229	-			

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 Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2b.1.1.30	Miscellaneous Reactor Coolant	16	91	2	4	32	45	-	66	256
2b.1.1.31	Nuclear Steam Supply Sampling	-	14	1	-	3	10	-	10	37
2b.1.1.32	Nuclear Steam Supply Sampling (Insulated)	-	6	-	-	1	4	-	4	15
2b.1.1.33	Residual Heat Removal	257	213	38	62	327	867	-	617	2,381
2b.1.1.34	Safety Injection	-	88	3	7	82	44	-	79	304
2b.1.1.35	Safety Injection (Insulated)	-	3	-	-	3	2	-	3	12
2b.1.1.36	Safety Injection (RCA Insulated)	-	27	1	3	24	25	-	28	108
2b.1.1.37	Safety Injection (RCA)	-	225	12	24	218	223	-	246	948
2b.1.1.38	Service Cooling Water	-	105	-	-	-	-	-	37	141
2b.1.1.39	Service Cooling Water (RCA)	-	26	-	3	37	-	-	23	89
2b.1.1.40	Sewer System Expansion	-	36	-	-	-	-	-	13	49
2b.1.1	Totals	1,414	10,757	227	669	8,032	2,883	-	8,394	32,376
2b.1.2	Scaffolding in support of decommissioning	-	5,154	23	14	200	34	-	1,899	7,324
Decontamination of Site Buildings										
2b.1.3.1	Reactor	1,373	1,526	268	436	458	6,918	-	3,843	14,823
2b.1.3.2	Auxiliary	960	574	69	123	250	1,709	-	1,289	4,973
2b.1.3.2	Capital Additions 85-2002	307	116	15	26	32	371	-	303	1,170
2b.1.3.3	Containment Penetration Area	237	168	17	34	129	423	-	353	1,362
2b.1.3.2	Radwaste Storage	6	52	7	13	9	186	-	95	368
2b.1.3	Totals	2,883	2,438	376	632	876	9,607	-	5,884	22,695
2b.1	Subtotal Period 2b Activity Costs	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	79	-	196	316	-	2,340	-	1,026	3,957
2b.4.2	Small tool allowance	-	364	-	-	-	-	-	127	491
2b.4.3	Spent Fuel Capital and Transfer	-	-	-	-	-	-	5,810	2,033	7,843
2b.4.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	458	160	618
2b.4	Subtotal Period 2a Collateral Costs	79	364	196	316	-	2,340	6,267	3,347	12,909
Period 2b Period-Dependent Costs										
2b.4.1	Decon supplies	1,894	-	-	-	-	-	-	663	2,557
2b.4.2	Insurance	-	-	-	-	-	-	6,658	2,330	8,988
2b.4.3	Property taxes	-	-	-	-	-	-	935	327	1,263
2b.4.4	Health physics supplies	-	4,741	-	-	-	-	-	1,659	6,400
2b.4.5	Heavy equipment rental	-	5,048	-	-	-	-	-	1,767	6,815
2b.4.6	Disposal of DAW generated	-	-	129	70	-	2,427	-	919	3,545
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,636	923	3,559
2b.4.8	NRC ISFSI Fees	-	-	-	-	-	-	1,328	-	1,328
2b.4.9	NRC Fees	-	-	-	-	-	-	2,727	954	3,681
2b.4.10	Emergency Planning Fees	-	-	-	-	-	-	3,454	1,209	4,663
2b.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	1,882	659	2,541
2b.4.12	Spent Fuel Pool O&M	-	-	-	-	-	-	9,206	3,222	12,428
2b.4.13	Spent Fuel Storage/Capital Equipment	-	-	-	-	-	-	50,695	17,743	68,438
2b.4.14	ISFSI Operating Costs	-	-	-	-	-	-	1,328	465	1,793
2b.4.15	ISFSI Fixed Costs	-	-	-	-	-	-	2,657	930	3,587
2b.4.16	Security Staff Cost	-	-	-	-	-	-	15,831	5,541	21,372
2b.4.17	DOC Staff Cost	-	-	-	-	-	-	26,316	9,211	35,526
2b.4.18	Utility Staff Cost	-	-	-	-	-	-	87,258	30,540	117,798
2b.4	Subtotal Period 2b Period-Dependent Costs	1,894	9,789	129	70	-	2,427	212,912	79,527	306,749
2b.0	TOTAL PERIOD 2b COSTS	6,270	28,500	952	1,703	9,107	17,530	219,180	99,134	382,376
Period 2c - Decontamination Following Wet Fuel Storage										
Period 2c Direct Decommissioning Activities										
2c.1.1	Remove spent fuel racks	424	43	92	40	-	830	-	500	1,929
Disposal of Plant Systems										
2c.1.2.1	Electrical (Contaminated) - FHB	-	77	1	3	49	5	-	47	182
2c.1.2.2	Electrical (Decontaminated) - FHB	-	468	6	30	467	-	-	340	1,311
2c.1.2.3	Fire Protection (RCA)	-	182	3	16	238	-	-	154	594
2c.1.2.4	HVAC (Contaminated) - FHB	-	174	3	16	228	26	-	157	605
2c.1.2.5	Spent Fuel Pit Cooling	-	65	15	24	128	330	-	197	759
2c.1.2.6	Spent Fuel Pit Cooling - FHB	-	88	16	26	138	354	-	218	840
2c.1.2.7	Totals	-	1,055	44	115	1,248	715	-	1,112	4,288
Decontamination of Site Buildings										
2c.1.3.1	Fuel Handling	611	610	24	47	221	547	-	721	2,783
2c.1.3	Totals	611	610	24	47	221	547	-	721	2,783
2c.1.4	Scaffolding in support of decommissioning	-	1,031	5	3	40	7	-	380	1,466
2c.1	Subtotal Period 2c Activity Costs	1,035	2,739	165	207	1,509	2,098	-	2,713	10,466
Period 2c Collateral Costs										
2c.3.1	Process liquid waste	38	-	19	59	-	334	-	158	608
2c.3.2	Small tool allowance	-	60	-	-	-	-	-	21	82
2c.3.3	Decommissioning Equipment Disposition	-	-	86	66	736	126	-	355	1,370
2c.3.4	Radwaste Processing Equipment/Services	-	-	-	-	-	-	193	68	260
2c.3	Subtotal Period 2a Collateral Costs	38	60	105	125	736	461	193	601	2,320
Period 2c Period-Dependent Costs										
2c.4.1	Decon supplies	214	-	-	-	-	-	-	75	289

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
2c.4.2	Insurance	-	-	-	-	-	-	261	26	288				
2c.4.3	Property taxes	-	-	-	-	-	-	40	4	45				
2c.4.4	Health physics supplies	-	342	-	-	-	-	-	86	428				
2c.4.5	Heavy equipment rental	-	912	-	-	-	-	-	137	1,049				
2c.4.6	Disposal of DAW generated	-	-	26	12	-	796	-	203	1,037	1,769			
2c.4.7	Plant energy budget	-	-	-	-	-	-	179	27	205				
2c.4.8	NRC ISFSI Fees	-	-	-	-	-	-	57	-	57				
2c.4.9	NRC Fees	-	-	-	-	-	-	151	15	166				
2c.4.10	Emergency Planning Fees	-	-	-	-	-	-	149	15	164				
2c.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	130	19	149				
2c.4.12	ISFSI Operating Costs	-	-	-	-	-	-	57	9	66				
2c.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	115	17	132				
2c.4.14	Security Staff Cost	-	-	-	-	-	-	1,043	156	1,200				
2c.4.15	DOC Staff Cost	-	-	-	-	-	-	3,235	485	3,720				
2c.4.16	Utility Staff Cost	-	-	-	-	-	-	6,174	926	7,100				
2c.4	Subtotal Period 2c Period-Dependent Costs	184	1,254	26	12	-	796	11,593	2,172	16,036	1,769			
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		
PERIOD 2e - License Termination														
Period 2e Direct Decommissioning Activities														
2e.1.1	ORISE confirmatory survey	-	-	-	-	-	-	119	36	155				
2e.1.2	Terminate license	-	-	-	-	-	-	-	-	a				
2e.1	Subtotal Period 2e Activity Costs	-	-	-	-	-	-	119	36	155				
Period 2e Additional Costs														
2e.2.1	License Termination Survey	-	-	-	-	-	-	9,770	2,931	12,701				
2e.2	Subtotal 2e Additional Costs	-	-	-	-	-	-	9,770	2,931	12,701				
Period 2e Collateral Costs														
2e.3.1	DOC Staff relocation expenses	-	-	-	-	-	-	1,021	153	1,174				
2e.3	Subtotal 2e Collateral Costs	-	-	-	-	-	-	1,021	153	1,174				
Period 2e Period-Dependent Costs														
2e.4.1	Insurance	-	-	-	-	-	-	321	32	353				
2e.4.2	Property taxes	-	-	-	-	-	-	66	7	72				
2e.4.3	Health physics supplies	-	215	-	-	-	-	-	54	268				
2e.4.4	Disposal of DAW generated	-	-	4	2	-	123	-	31	160	273			
2e.4.5	Plant energy budget	-	-	-	-	-	-	145	22	167				
2e.4.6	NRC ISFSI Fees	-	-	-	-	-	-	93	-	93				
2e.4.7	NRC Fees	-	-	-	-	-	-	245	25	270				
2e.4.8	Emergency Planning Fees	-	-	-	-	-	-	243	24	267				
2e.4.9	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	187	28	215				
2e.4.10	ISFSI Operating Costs	-	-	-	-	-	-	93	14	107				
2e.4.11	ISFSI Fixed Costs	-	-	-	-	-	-	187	28	215				
2e.4.12	Security Staff Cost	-	-	-	-	-	-	930	140	1,070				
2e.4.13	DOC Staff Cost	-	-	-	-	-	-	3,916	587	4,504				
2e.4.14	Utility Staff Cost	-	-	-	-	-	-	5,716	857	6,574				
2e.4	Subtotal Period 2e Period-Dependent Costs	-	215	4	2	-	123	12,144	1,849	14,336	273			
2e.0	TOTAL PERIOD 2e COST	-	215	4	2	-	123	23,054	4,969	28,366	273			
PERIOD 2 TOTAL		7,663	53,557	12,372	5,185	26,867	65,938	279,551	87,967	539,100	117,488	5,953	574	
PERIOD 3b Restoration														
Perod 3b Direct Decommissioning Activities														
Demolition of Remaining Site Buildings														
3b.1.1.1	Reactor	-	6,092	-	-	-	-	-	914	7,006				
3b.1.1.2	Administration	-	773	-	-	-	-	-	116	889				
3b.1.1.3	Auxiliary	-	5,498	-	-	-	-	-	825	6,323				
3b.1.1.4	Capital Additions 85-2004	-	3,499	-	-	-	-	-	525	4,024				
3b.1.1.5	Chemical Storage	-	3	-	-	-	-	-	-	4				
3b.1.1.6	Chlorination	-	7	-	-	-	-	-	1	8				
3b.1.1.7	Circulating Water Tunnels	-	767	-	-	-	-	-	115	882				
3b.1.1.8	Cold Machine Shop	-	288	-	-	-	-	-	43	331				
3b.1.1.9	Communication	-	3	-	-	-	-	-	-	4				
3b.1.1.10	Condensate Polishing/Technical Support	-	605	-	-	-	-	-	91	695				
3b.1.1.11	Containment Penetration Area	-	489	-	-	-	-	-	73	563				
3b.1.1.12	Discharge Structure	-	680	-	-	-	-	-	102	782				
3b.1.1.13	Fabrication Shop	-	86	-	-	-	-	-	13	99				
3b.1.1.14	Fire Pump House	-	4	-	-	-	-	-	1	4				
3b.1.1.15	Hazardous Waste Storage Facility	-	1,780	-	-	-	-	-	267	2,047				
3b.1.1.16	Intake Structure	-	3,888	-	-	-	-	-	583	4,471				
3b.1.1.17	Maintenance Shop	-	266	-	-	-	-	-	40	306				
3b.1.1.18	Miscellaneous Structures	-	47	-	-	-	-	-	7	54				
3b.1.1.19	NPO Permanent Warehouse	-	978	-	-	-	-	-	147	1,125				
3b.1.1.20	Ponds	-	1	-	-	-	-	-	-	2				
3b.1.1.21	Portable Fire Pump & Fuel Cart	-	1	-	-	-	-	-	-	1				
3b.1.1.22	Pretreatment	-	7	-	-	-	-	-	1	8				
3b.1.1.23	Radwaste Storage	-	1,268	-	-	-	-	-	190	1,459				
3b.1.1.24	Radwaste Storage Facility (Additional)	-	33	-	-	-	-	-	5	38				
3b.1.1.25	Rotor Warehouse	-	587	-	-	-	-	-	88	676				
3b.1.1.26	Security	-	240	-	-	-	-	-	36	276				

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 Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
2c.4.2	Insurance	-	-	-	-	-	-	303	106	409
2c.4.3	Property taxes	-	-	-	-	-	-	46	16	63
2c.4.4	Health physics supplies	-	397	-	-	-	-	-	139	536
2c.4.5	Heavy equipment rental	-	1,060	-	-	-	-	-	371	1,431
2c.4.6	Disposal of DAW generated	-	-	30	17	-	631	-	237	916
2c.4.7	Plant energy budget	-	-	-	-	-	-	208	73	281
2c.4.8	NRC ISFSI Fees	-	-	-	-	-	-	66	-	66
2c.4.9	NRC Fees	-	-	-	-	-	-	175	61	237
2c.4.10	Emergency Planning Fees	-	-	-	-	-	-	173	61	234
2c.4.11	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	151	53	204
2c.4.12	ISFSI Operating Costs	-	-	-	-	-	-	66	23	89
2c.4.13	ISFSI Fixed Costs	-	-	-	-	-	-	134	47	180
2c.4.14	Security Staff Cost	-	-	-	-	-	-	1,212	424	1,636
2c.4.15	DOC Staff Cost	-	-	-	-	-	-	3,759	1,316	5,074
2c.4.16	Utility Staff Cost	-	-	-	-	-	-	7,174	2,511	9,684
2c.4	Subtotal Period 2c Period-Dependent Costs	214	1,457	30	17	-	631	13,470	5,537	21,356
2c.0	TOTAL PERIOD 2c COSTS	1,286	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	-	-	-	-	-	-	138	48	187
2e.1.2	Terminate license	-	-	-	-	-	-	-	-	-
2e.1	Subtotal Period 2e Activity Costs	-	-	-	-	-	-	138	48	187
Period 2e Additional Costs										
2e.2.1	License Termination Survey	-	-	-	-	-	-	11,352	3,973	15,325
2e.2	Subtotal 2e Additional Costs	-	-	-	-	-	-	11,352	3,973	15,325
Period 2e Collateral Costs										
2e.3.1	DOC Staff relocation expenses	-	-	-	-	-	-	1,186	415	1,602
2e.3	Subtotal 2e Collateral Costs	-	-	-	-	-	-	1,186	415	1,602
Period 2e Period-Dependent Costs										
2e.4.1	Insurance	-	-	-	-	-	-	373	131	504
2e.4.2	Property taxes	-	-	-	-	-	-	77	27	104
2e.4.3	Health physics supplies	-	250	-	-	-	-	-	87	337
2e.4.4	Disposal of DAW generated	-	-	5	3	-	98	-	37	142
2e.4.5	Plant energy budget	-	-	-	-	-	-	168	59	227
2e.4.6	NRC ISFSI Fees	-	-	-	-	-	-	108	-	108
2e.4.7	NRC Fees	-	-	-	-	-	-	285	100	384
2e.4.8	Emergency Planning Fees	-	-	-	-	-	-	282	99	381
2e.4.9	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	217	76	293
2e.4.10	ISFSI Operating Costs	-	-	-	-	-	-	108	38	146
2e.4.11	ISFSI Fixed Costs	-	-	-	-	-	-	217	76	293
2e.4.12	Security Staff Cost	-	-	-	-	-	-	1,081	378	1,459
2e.4.13	DOC Staff Cost	-	-	-	-	-	-	4,550	1,593	6,143
2e.4.14	Utility Staff Cost	-	-	-	-	-	-	6,641	2,324	8,966
2e.4	Subtotal Period 2e Period-Dependent Costs	-	250	5	3	-	98	14,110	5,063	19,528
2e.0	TOTAL PERIOD 2e COST	-	250	5	3	-	98	26,786	9,499	36,641
PERIOD 2 TOTAL		8,904	62,228	14,375	7,444	38,570	60,668	324,810	180,949	697,948
PERIOD 3b Restoration										
Perod 3b Direct Decommissioning Activities										
Demolition of Remaining Site Buildings										
3b.1.1.1	Reactor	-	7,078	-	-	-	-	2,477	9,556	
3b.1.1.2	Administration	-	898	-	-	-	-	314	1,213	
3b.1.1.3	Auxiliary	-	6,388	-	-	-	-	2,236	8,624	
3b.1.1.4	Capital Additions 85-2004	-	4,065	-	-	-	-	1,423	5,488	
3b.1.1.5	Chemical Storage	-	3	-	-	-	-	1	5	
3b.1.1.6	Chlorination	-	8	-	-	-	-	3	11	
3b.1.1.7	Circulating Water Tunnels	-	891	-	-	-	-	312	1,203	
3b.1.1.8	Cold Machine Shop	-	335	-	-	-	-	117	452	
3b.1.1.9	Communication	-	3	-	-	-	-	1	5	
3b.1.1.10	Condensate Polishing/Technical Support	-	703	-	-	-	-	246	949	
3b.1.1.11	Containment Penetration Area	-	568	-	-	-	-	199	767	
3b.1.1.12	Discharge Structure	-	790	-	-	-	-	277	1,067	
3b.1.1.13	Fabrication Shop	-	100	-	-	-	-	35	135	
3b.1.1.14	Fire Pump House	-	5	-	-	-	-	2	6	
3b.1.1.15	Hazardous Waste Storage Facility	-	2,068	-	-	-	-	724	2,792	
3b.1.1.16	Intake Structure	-	4,517	-	-	-	-	1,581	6,099	
3b.1.1.17	Maintenance Shop	-	309	-	-	-	-	108	417	
3b.1.1.18	Miscellaneous Structures	-	55	-	-	-	-	19	74	
3b.1.1.19	NPO Permanent Warehouse	-	1,136	-	-	-	-	398	1,534	
3b.1.1.20	Ponds	-	1	-	-	-	-	0	2	
3b.1.1.21	Portable Fire Pump & Fuel Cart	-	1	-	-	-	-	0	2	
3b.1.1.22	Pretreatment	-	8	-	-	-	-	3	11	
3b.1.1.23	Radwaste Storage	-	1,473	-	-	-	-	516	1,989	
3b.1.1.24	Radwaste Storage Facility (Additional)	-	38	-	-	-	-	13	52	
3b.1.1.25	Rotor Warehouse	-	682	-	-	-	-	239	921	
3b.1.1.26	Security	-	279	-	-	-	-	98	376	

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
3b.1.1.27	Security Buildings (Additional)	-	36	-	-	-	-	-	5	41				
3b.1.1.28	Simulator	-	297	-	-	-	-	-	45	341				
3b.1.1.29	Steam Generator Storage Facility	-	653	-	-	-	-	-	98	751				
3b.1.1.30	Telephone Terminal	-	2	-	-	-	-	-	-	2				
3b.1.1.31	Turbine	-	4,384	-	-	-	-	-	658	5,042				
3b.1.1.32	Turbine Pedestal Vehicle Maintenance	-	968	-	-	-	-	-	145	1,113				
3b.1.1.33	Vehicle Maintenance	-	24	-	-	-	-	-	4	28				
3b.1.1.34	Waste Water Holding & Treatment Facility	-	16	-	-	-	-	-	2	19				
3b.1.1.35	Fuel Handling	-	1,347	-	-	-	-	-	202	1,549				
3b.1	Totals	-	35,618	-	-	-	-	-	5,343	40,961				
Site Closeout Activities														
3b.1.2	Remove Rubble	-	21,295	-	-	-	-	-	3,194	24,490				
3b.1.3	Grade & landscape site	-	1,812	-	-	-	-	-	272	2,083				
3b.1.4	Final report to NRC	-	-	-	-	-	-	66	10	75				
3b.11	Subtotal Period 3b Activity Costs	-	58,725	-	-	-	-	-	8,819	67,610				
Period 3b Additional Cost														
3b.2.1	Concrete Crushing	-	6,535	-	-	-	-	8	981	7,525				
3b.2.2	Breakwater Demolition and Removal	-	33,329	-	-	-	-	-	8,332	41,661				
3b.2	Subtotal Period 3b Additional Costs	-	39,864	-	-	-	-	8	9,314	49,186				
Period 3b Collateral Costs														
3b.3.1	Small tool allowance	-	683	-	-	-	-	-	103	786				
3b.3	Subtotal 3b Collateral Costs	-	683	-	-	-	-	-	103	786				
Period 3b Period-Dependent Costs														
3b.4.1	Insurance	-	-	-	-	-	-	575	57	632				
3b.4.2	Property taxes	-	-	-	-	-	-	181	18	199				
3b.4.3	Heavy equipment rental	-	5,531	-	-	-	-	-	830	6,361				
3b.4.4	Plant energy budget	-	-	-	-	-	-	199	30	229				
3b.4.5	NRC ISFSI Fees	-	-	-	-	-	-	257	-	257				
3b.4.6	Emergency Planning Fees	-	-	-	-	-	-	667	67	734				
3b.4.7	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	499	75	574				
3b.4.8	ISFSI Operating Costs	-	-	-	-	-	-	257	39	295				
3b.4.9	ISFSI Fixed Costs	-	-	-	-	-	-	513	77	590				
3b.4.10	Security Staff Cost	-	-	-	-	-	-	2,555	383	2,939				
3b.4.11	DOC Staff Cost	-	-	-	-	-	-	11,945	1,792	13,736				
3b.4.12	Utility Staff Cost	-	-	-	-	-	-	8,921	1,338	10,259				
3b.4	Subtotal Period 3b Period-Dependent Costs	-	5,531	-	-	-	-	26,569	4,705	36,805				
3b.0	TOTAL PERIOD 3b COST	-	104,804	-	-	-	-	26,643	22,940	154,387				
PERIOD 3c - Fuel Storage Operations/Shipping														
Period 3c Direct Decommissioning Costs														
Period 3c Period-Dependent Costs														
3c.4.1	Insurance	-	-	-	-	-	-	144	14	155				
3c.4.2	Property taxes	-	-	-	-	-	-	44	4	49				
3c.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-				
3c.4.4	NRC ISFSI Fees	-	-	-	-	-	-	63	-	63				
3c.4.5	Emergency Planning Fees	-	-	-	-	-	-	164	16	180				
3c.4.6	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	175	26	201				
3c.4.7	ISFSI Operating Costs	-	-	-	-	-	-	63	9	72				
3c.4.8	ISFSI Fixed Costs	-	-	-	-	-	-	126	19	145				
3c.4.9	Security Staff Cost	-	-	-	-	-	-	126	19	145				
3c.4.10	Utility Staff Cost	-	-	-	-	-	-	336	50	386				
3c.4	Subtotal Period 3c Period-Dependent Costs	-	-	-	-	-	-	1,238	159	1,397				
3c.0	TOTAL PERIOD 3c COST	-	-	-	-	-	-	1,238	159	1,397				
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				433
3d.1.1	Totals	-	-	167	-	-	9,447	-	1,434	11,048				433
3d.1	Subtotal Period 3d Activity Costs	-	-	167	-	-	9,447	-	1,434	11,048				433
Period 3d Period-Dependent Costs														
3d.4.1	Insurance	-	-	-	-	-	-	11	1	12				
3d.4.2	Property taxes	-	-	-	-	-	-	3	-	4				
3d.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-				
3d.4.4	NRC ISFSI Fees	-	-	-	-	-	-	5	-	5				
3d.4.5	Emergency Planning Fees	-	-	-	-	-	-	12	1	14				
3d.4.6	ISFSI Operating Costs	-	-	-	-	-	-	5	1	6				
3d.4.7	ISFSI Fixed Costs	-	-	-	-	-	-	10	1	11				
3d.4.8	Security Staff Cost	-	-	-	-	-	-	10	1	11				
3d.4.9	Utility Staff Cost	-	-	-	-	-	-	26	4	29				
3d.4	Subtotal Period 3d Period-Dependent Costs	-	-	-	-	-	-	81	10	91				
3d.0	TOTAL PERIOD 3d COST	-	-	167	-	-	9,447	81	1,444	11,139				433
PERIOD 3e - ISFSI Decontamination														

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 Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total
3b.1.1.27	Security Buildings (Additional)	-	42	-	-	-	-	-	15	56
3b.1.1.28	Simulator	-	345	-	-	-	-	-	121	466
3b.1.1.29	Steam Generator Storage Facility	-	759	-	-	-	-	-	266	1,024
3b.1.1.30	Telephone Terminal	-	2	-	-	-	-	-	1	3
3b.1.1.31	Turbine	-	5,094	-	-	-	-	-	1,783	6,877
3b.1.1.32	Turbine Pedestal Vehicle Maintenance	-	1,125	-	-	-	-	-	394	1,518
3b.1.1.33	Vehicle Maintenance	-	28	-	-	-	-	-	10	38
3b.1.1.34	Waste Water Holding & Treatment Facility	-	19	-	-	-	-	-	7	25
3b.1.1.35	Fuel Handling	-	1,565	-	-	-	-	-	548	2,113
3b.1	Totals	-	41,385	-	-	-	-	-	14,485	55,869
Site Closeout Activities										
3b.1.2	Remove Rubble	-	24,743	-	-	-	-	-	8,660	33,403
3b.1.3	Grade & landscape site	-	2,105	-	-	-	-	-	737	2,842
3b.1.4	Final report to NRC	-	-	-	-	-	-	77	27	104
3b.11	Subtotal Period 3b Activity Costs	-	68,233	-	-	-	-	-	23,881	92,114
Period 3b Additional Cost										
3b.2.1	Concrete Crushing	-	7,593	-	-	-	-	9	2,661	10,263
3b.2.2	Breakwater Demolition and Removal	-	38,725	-	-	-	-	-	13,554	52,279
3b.2	Subtotal Period 3b Additional Costs	-	46,318	-	-	-	-	9	16,215	62,542
Period 3b Collateral Costs										
3b.3.1	Small tool allowance	-	794	-	-	-	-	-	278	1,071
3b.3	Subtotal 3b Collateral Costs	-	794	-	-	-	-	-	278	1,071
Period 3b Period-Dependent Costs										
3b.4.1	Insurance	-	-	-	-	-	-	668	234	902
3b.4.2	Property taxes	-	-	-	-	-	-	210	74	284
3b.4.3	Heavy equipment rental	-	6,426	-	-	-	-	-	2,249	8,676
3b.4.4	Plant energy budget	-	-	-	-	-	-	231	81	312
3b.4.5	NRC ISFSI Fees	-	-	-	-	-	-	299	-	299
3b.4.6	Emergency Planning Fees	-	-	-	-	-	-	775	271	1,046
3b.4.7	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	580	203	783
3b.4.8	ISFSI Operating Costs	-	-	-	-	-	-	299	105	403
3b.4.9	ISFSI Fixed Costs	-	-	-	-	-	-	596	209	805
3b.4.10	Security Staff Cost	-	-	-	-	-	-	2,969	1,039	4,008
3b.4.11	DOC Staff Cost	-	-	-	-	-	-	13,879	4,858	18,737
3b.4.12	Utility Staff Cost	-	-	-	-	-	-	10,365	3,628	13,993
3b.4	Subtotal Period 3b Period-Dependent Costs	-	6,426	-	-	-	-	30,871	13,054	50,351
3b.0	TOTAL PERIOD 3b COST	-	121,772	-	-	-	-	30,957	53,455	206,183
PERIOD 3c - Fuel Storage Operations/Shipping										
Period 3c Direct Decommissioning Costs										
Period 3c Period-Dependent Costs										
3c.4.1	Insurance	-	-	-	-	-	-	167	59	226
3c.4.2	Property taxes	-	-	-	-	-	-	51	18	69
3c.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-
3c.4.4	NRC ISFSI Fees	-	-	-	-	-	-	73	-	73
3c.4.5	Emergency Planning Fees	-	-	-	-	-	-	191	67	257
3c.4.6	Spent Fuel Transfer - ISFSI to DOE	-	-	-	-	-	-	203	71	274
3c.4.7	ISFSI Operating Costs	-	-	-	-	-	-	73	26	99
3c.4.8	ISFSI Fixed Costs	-	-	-	-	-	-	146	51	198
3c.4.9	Security Staff Cost	-	-	-	-	-	-	146	51	198
3c.4.10	Utility Staff Cost	-	-	-	-	-	-	390	137	527
3c.4	Subtotal Period 3c Period-Dependent Costs	-	-	-	-	-	-	1,438	503	1,942
3c.0	TOTAL PERIOD 3c COST	-	-	-	-	-	-	1,438	503	1,942
PERIOD 3d - GTCC shipping										
Period 3d Direct Decommissioning Activities										
Nuclear Steam Supply System Removal										
3d.1.1.1	Vessel & Internals GTCC Disposal	-	-	194	-	-	13,562	-	4,815	18,571
3d.1.1	Totals	-	-	194	-	-	13,562	-	4,815	18,571
3d.1	Subtotal Period 3d Activity Costs	-	-	194	-	-	13,562	-	4,815	18,571
Period 3d Period-Dependent Costs										
3d.4.1	Insurance	-	-	-	-	-	-	13	4	17
3d.4.2	Property taxes	-	-	-	-	-	-	3	1	5
3d.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-
3d.4.4	NRC ISFSI Fees	-	-	-	-	-	-	6	-	6
3d.4.5	Emergency Planning Fees	-	-	-	-	-	-	14	5	19
3d.4.6	ISFSI Operating Costs	-	-	-	-	-	-	6	2	8
3d.4.7	ISFSI Fixed Costs	-	-	-	-	-	-	12	4	16
3d.4.8	Security Staff Cost	-	-	-	-	-	-	12	4	16
3d.4.9	Utility Staff Cost	-	-	-	-	-	-	30	11	41
3d.4	Subtotal Period 3d Period-Dependent Costs	-	-	-	-	-	-	94	33	127
3d.0	TOTAL PERIOD 3d COST	-	-	194	-	-	13,562	94	4,848	18,698

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)

ID Number	Activity Description	Decon	Remove	Packaging	Transport	Off-Site Processing	LLRW Disposal	Other	Contingency	Total	Burial site A CF	Burial site B CF	Burial site C CF	Burial site GTCC
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			
3e.2	Subtotal Period 3e Additional Costs	-	651	6	70	-	2,197	758	837	4,518	4,881			
Period 3e Collateral Costs														
3e.3.1	Small tool allowance	-	8	-	-	-	-	-	1	10				
3e.3	Subtotal 3e Collateral Costs	-	8	-	-	-	-	-	1	10				
Period 3e Period-Dependent Costs														
3e.4.1	Insurance	-	-	-	-	-	-	-	-	-				
3e.4.2	Property taxes	-	-	-	-	-	-	29	3	32				
3e.4.3	Heavy equipment rental	-	132	-	-	-	-	-	20	152				
3e.4.4	Plant energy budget	-	-	-	-	-	-	16	2	18				
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	-	41	-	41				
3e.4.6	Security Staff Cost	-	-	-	-	-	-	83	12	95				
3e.4.7	Utility Staff Cost	-	-	-	-	-	-	198	30	228				
3e.4	Subtotal Period 3e Period-Dependent Costs	-	132	-	-	-	-	368	67	567				
3e.0	TOTAL PERIOD 3e COST	-	792	6	70	-	2,197	1,126	905	5,095	4,881			
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				
3f.2	Subtotal Period 3f Additional Costs	-	831	-	-	-	-	20	211	1,062				
Period 3f Collateral Costs														
3f.3.1	Small tool allowance	-	2	-	-	-	-	-	-	3				
3f.3	Subtotal 3f Collateral Costs	-	2	-	-	-	-	-	-	3				
Period 3f Period-Dependent Costs														
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-				
3f.4.2	Property taxes	-	-	-	-	-	-	15	1	16				
3f.4.3	Heavy equipment rental	-	44	-	-	-	-	-	7	50				
3f.4.4	Plant energy budget	-	-	-	-	-	-	8	1	9				
3f.4.5	NRC ISFSI Fees	-	-	-	-	-	-	21	-	21				
3f.4.6	Security Staff Cost	-	-	-	-	-	-	42	6	48				
3f.4.7	Utility Staff Cost	-	-	-	-	-	-	89	13	102				
3f.4	Subtotal Period 3f Period-Dependent Costs	-	44	-	-	-	-	174	29	247				
3f.0	TOTAL PERIOD 3f COST	-	877	-	-	-	-	195	240	1,311				
PERIOD 3 TOTALs		**-**	**106,472**	**172**	**70**	**-**	**11,644**	**29,282**	**25,688**	**173,329**	**4,881**			**433**
TOTAL COST TO DECOMMISSION		**11,146**	**162,418**	**13,113**	**5,864**	**26,867**	**82,938**	**372,221**	**125,961**	**800,529**	**122,932**	**11,683**	**674**	**433**

a - indicates that this activity performed by decommissioning staff

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 Number	Activity Description	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	-	756	7	100	-	1,742	881	1,220	4,707
3e.2	Subtotal Period 3e Additional Costs	-	756	7	100	-	1,742	881	1,220	4,707
Period 3e Collateral Costs										
3e.3.1	Small tool allowance	-	9	-	-	-	-	-	3	13
3e.3	Subtotal 3e Collateral Costs	-	9	-	-	-	-	-	3	13
Period 3e Period-Dependent Costs										
3e.4.1	Insurance	-	-	-	-	-	-	-	-	-
3e.4.2	Property taxes	-	-	-	-	-	-	34	12	45
3e.4.3	Heavy equipment rental	-	153	-	-	-	-	-	54	207
3e.4.4	Plant energy budget	-	-	-	-	-	-	19	7	25
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	-	48	-	48
3e.4.6	Security Staff Cost	-	-	-	-	-	-	96	34	130
3e.4.7	Utility Staff Cost	-	-	-	-	-	-	230	81	311
3e.4	Subtotal Period 3e Period-Dependent Costs	-	153	-	-	-	-	428	203	784
3e.0	TOTAL PERIOD 3e COST	-	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	-	966	-	-	-	-	23	346	1,335
3f.2	Subtotal Period 3f Additional Costs	-	966	-	-	-	-	23	346	1,335
Period 3f Collateral Costs										
3f.3.1	Small tool allowance	-	2	-	-	-	-	-	1	3
3f.3	Subtotal 3f Collateral Costs	-	2	-	-	-	-	-	1	3
Period 3f Period-Dependent Costs										
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes	-	-	-	-	-	-	17	6	24
3f.4.3	Heavy equipment rental	-	51	-	-	-	-	-	18	69
3f.4.4	Plant energy budget	-	-	-	-	-	-	9	3	13
3f.4.5	NRC ISFSI Fees	-	-	-	-	-	-	24	-	24
3f.4.6	Security Staff Cost	-	-	-	-	-	-	49	17	66
3f.4.7	Utility Staff Cost	-	-	-	-	-	-	103	36	140
3f.4	Subtotal Period 3f Period-Dependent Costs	-	51	-	-	-	-	202	89	342
3f.0	TOTAL PERIOD 3f COST	-	1,019	-	-	-	-	227	436	1,682
PERIOD 3 TOTALs		**-**	**123,710**	**200**	**100**	**-**	**15,304**	**34,023**	**60,668**	**234,005**
TOTAL COST TO DECOMMISSION		**12,951**	**188,713**	**15,236**	**8,418**	**38,570**	**83,498**	**432,484**	**272,954**	**1,052,824**