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March 31, 2015

PG&E Letter DCL-15-044

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

10 CFR 50.75(f)

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:

Pacific Gas and Electric Company (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 Power Plant, Units 1 and 2

At the end of calendar year 2014, the market value of the DCPP Units 1 (3411 MWt) and 2 (3411 MWt) decommissioning trust fund Market value was $1,138.7 million and $1,486.8 million, respectively. TLG Services, Inc. prepared a site-specific decommissioning cost estimate that PG&E submitted to the California Public Utilities Commission (CPUC) in the 2012 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP) on December 12, 2012. Based on this cost estimate, PG&E currently has more funds in the DCPP, Units 1 and 2, decommissioning trust fund than required to meet the minimum NRC decommissioning amount of $646.2 million (2015 dollars) for each unit that was calculated pursuant to the requirements of 10 CFR 50.75(c).

Supporting Cost Estimates

Based on site-specific cost estimates prepared by TLG Services, Inc., PG&E estimates that the decommissioning costs are about $1,130.0 million for DCPP, Unit 1 and $1,165.8 million for Unit 2 in 2015 dollars. These costs do not include site restoration of the facilities ($325.9 million) or spent fuel management costs after shutdown of Units 1 and 2 ($500.1 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.

Supporting Enclosures

Enclosures 1 through 4 provide supporting documentation for this report.

Enclosure 1 provides decommissioning funding status information in a format suggested by the Nuclear Energy Institute (NEI) and the NRC.

Enclosure 2 provides information on the escalation of the required decommissioning funding amounts from 1986 dollars to 2015 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 15, the information includes escalation factors for energy, labor, and waste burial costs.

Enclosure 3 is the 2015 DCPP Appendix C1, Table C-1 for Unit 1 and 2015 DCPP Appendix C2, Table C-2 for Unit 2 from the TLG Services, Inc. decommissioning cost estimate report prepared in December 2012 for PG&E for DCPP, Units 1 and 2. PG&E then adjusted the TLG Services, Inc. cost estimate to reflect the costs in 2015 dollars per the NDCTP submitted on December 12, 2012, to the CPUC by applying the escalation factors included in the submittal. The report provides cost estimates for decommissioning of both nuclear and non-nuclear facilities, including the Diablo Canyon Independent Spent Fuel Storage Installation (ISFSI).

Enclosure 4 is a cash flow for the total decommissioning of DCPP that identifies the monies for NRC scope (removal of radiological contamination), site restoration (including nonradiological work), and the spent fuel management based on the TLG Services, Inc. 2012 Cost Estimate by unit.

PG&E is not including the TLG Services Inc. site specific cost estimate prepared in December 2012 as this document was included in the 2013 Decommissioning Funding Report for Diablo Canyon Power Plant, Units 1 and 2, PG&E Letter DCL-13-033 dated April 1, 2013.

PG&E makes no regulatory commitments (as defined by NEI 99-04) in this letter.

Should you have any questions, please contact Mr. Bob Kapus at (707) 444-0810.

Sincerely,

Edward D. Halpin
Senior Vice President, Nuclear Generation and Chief Nuclear Officer

bnsm/4540
Enclosures
cc: Diablo Distribution
cc/encl: Marc L. Dapas, NRC Region IV Administrator
Siva P. Lingam, NRR Project Manager
INPO

Enclosure 1
PG&E Letter DCL-15-044

NRC Decommissioning Funding Status Report

Diablo Canyon Power Plant – Units 1 (3411 MWt) and 2 (3411 MWt)

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 at least once every 2 years thereafter, on the status of its decommissioning funding for each reactor or share of reactor it owns.

Note that Items 3, 4, and 8 are data included in PG&E's Nuclear Decommissioning Cost Triennial Proceeding (NDCTP) filed with the California Public Utilities Commission (CPUC) on December 12, 2012. PG&E received Decision 14-12-082, issued on December 22, 2014, in which the CPUC reduced the DCPP estimate by $497.9 million for lack of evidentiary support. PG&E believes that these costs are reasonable and has included them in our current decommissioning estimates. PG&E will be seeking recovery of this scope in the 2015 NDCTP filing.

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

	$ in Millions
Value in January 2015 dollars	Unit 1 $ 646.2
	Unit 2 $ 646.2

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 2014 dollars)	Unit 1 $1,138.7
	Unit 2 $1,486.8

[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.

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)).

Unit 1 amount remaining	$ 0.0
Unit 2 amount remaining	$ 0.0

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 2024 for Units 1 and 2), and rates of other factors used in funding projections;

Rate of Return on Qualified Trust Unit 1	
2014	4.12 percent
2015	4.15 percent
2016	4.18 percent
2017	4.20 percent
2018	4.22 percent
2019	4.24 percent
2020	4.25 percent
2021	4.27 percent
2022	4.28 percent
2023	4.29 percent
2024	4.29 percent
2025	3.91 percent
2026	3.54 percent
2027	3.19 percent
2028	2.86 percent
2029	2.54 percent
2030 – 2056	2.24 percent

Rate of Return on Qualified Trust Unit 2	
2014	4.10 percent
2015	4.12 percent
2016	4.14 percent
2017	4.15 percent
2018	4.17 percent
2019	4.18 percent
2020	4.19 percent
2021	4.20 percent

2022	4.21 percent
2023	4.22 percent
2024	4.22 percent
2025	3.85 percent
2026	3.50 percent
2027	3.16 percent
2028	2.84 percent
2029	2.53 percent
2030 – 2056	2.24 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 2015 Dollars in Millions

Total Unit 1 (Decommission 2024)	$ 1,484.4
Scope Excluded from NRC calculations	$ 81.6
Spent Fuel Management	$ 272.8
Total NRC Decommissioning Costs	$ 1,130.0
Total Unit 2 (Decommission 2025)	$ 1,637.4
Scope Excluded from NRC calculations	$ 244.3
Spent Fuel Management	$ 227.3
Total NRC Decommissioning Costs	$ 1,165.8

2015 Decommissioning Estimate Unit 1
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2015 Decommissioning Estimate Unit 2
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2015 Decommissioning Estimate Unit 1

Nuclear Regulatory Commission
Estimate of Decommission Costs for Pressurized Water Reactor (PWR) Diablo Canyon Power Plant (DCPP) Unit 1 in 2015

	DCPP PWR (millions)	
January 1986 Estimate	$105	
Escalated to 1999	$118.2	(Table 2.1 in NUREG 1307 Revision 10 has no value for 1999 Burial)
Escalated to 2000		(No Submittal Required)
Escalated to 2001	$333.8	($396.7 in 2001 Submittal)
Escalated to 2002		(No Submittal Required)
Escalated to 2003	$347.5	($404.8 in 2003 Submittal)
Escalated to 2004		(No Submittal Required)
Escalated to 2005	$404.2	($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	$540.4	($679.5 in 2009 Submittal)
Escalated to 2010		(No Submittal Required)
Escalated to 2011	$588.1	($546.5 in 2011 Submittal)
Escalated to 2012		(No Submittal Required)
Escalated to 2013	$642.9	($643.0 in 2013 Submittal)
Escalated to 2014		(No Submittal Required)
Escalated to 2015	$646.2	

Based on 10 CFR 50.75 (c), "Table of Minimum Amounts" (January 1986 dollars).
PWR Greater than or equal to 3400 MWt = $105 million per unit between 1200 MWt and 3400 MWt
(for PWR less than 1200 MWt, use P=1200 MWt $75+0.0088P)

2015 Decommissioning Estimate Unit 2

Nuclear Regulatory Commission
Estimate of Decommission Costs for Pressurized Water Reactor (PWR) Diablo Canyon Power Plant (DCPP) Unit 2 in 2015

	DCPP PWR (millions)	
January 1986 Estimate	$105	
Escalated to 1999	$118.2	(Table 2.1 in NUREG 1307 Revision 10 has no value for 1999 Burial)
Escalated to 2000		(No Submittal Required)
Escalated to 2001	$333.8	($396.7 in 2001 Submittal)
Escalated to 2002		(No Submittal Required)
Escalated to 2003	$347.5	($404.8 in 2003 Submittal)
Escalated to 2004		(No Submittal Required)
Escalated to 2005	$404.2	($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	$540.4	($720.9 in 2009 Submittal)
Escalated to 2010		(No Submittal Required)
Escalated to 2011	$588.1	($546.5 in 2011 Submittal)
Escalated to 2012		(No Submittal Required)
Escalated to 2013	$642.9	($643.0 in 2013 Submittal)
Escalated to 2014		(No Submittal Required)
Escalated to 2015	$646.2	

Based on 10 CFR 50.75 (c), "Table of Minimum Amounts" (January 1986 dollars).
PWR Greater than or equal to 3400 MWt = $105 million per unit between 1200 MWt and 3400 MWt
(for PWR less than 1200 MWt, use P=1200 MWt $75+0.0088P)

Composite Escalation

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	Jan-10	Jan-11	Jan-12	Jan-13	Jan-14	Jan-15	Weight (1)
L (Labor)	1.0000	1.5624	1.6370	0.9365	0.9733	1.0122	1.0612	1.0958	2.0724	2.1465	2.2207	2.2639	2.2948	2.3175	2.3711	2.4061	2.4638	2.5235	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	1.7850	2.0766	2.3145	2.6030	2.5667	2.6162	2.2224	0.13
B (Burial)	1.0000	0.0000	10.8039	10.9840	11.1633	11.3433	13.0733	13.3951	13.7247	14.0626	15.0364	15.6505	16.2646	17.2446	18.2247	19.2044	19.2044	19.2044	0.22

(1) From NUREG 1307, Revision 15, 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.

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	Jan-10	Jan-11	Jan-12	Jan-13	Jan-14	Jan-15
1.0000	1.1260	3.5748	3.1793	3.2174	3.3098	3.7241	3.8497	4.6044	4.7224	5.0538	5.1467	5.3398	5.6011	5.8890	6.1226	6.1665	6.1542

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982 = 100) (F) = Light Fuel Oils	REBASED TO 1986 = 100 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

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982 = 100) (F) = Light Fuel Oils	REBASED TO 1986 = 100 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

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

			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

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

	PPI for Fuels & Related Products (1982 = 100) (P) = Industrial Energy Power	PPI for Light Fuel Oils (1982 = 100) (F) = Light Fuel Oils	REBASED TO 1986 = 100 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

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

			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

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

			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	193.0	279.0	1.6900	3.4024	2.4092
Nov-08	187.7	218.2	1.6436	2.6610	2.0709
Dec-08	188.3	163.0	1.6489	1.9878	1.7912
Jan-09	190.3	159.8	1.6664	1.9488	1.7850
Feb-09	190.3	145.6	1.6664	1.7756	1.7123
Mar-09	187.6	136.8	1.6427	1.6683	1.6535
Apr-09	186.9	159.9	1.6366	1.9500	1.7682
May-09	190.5	158.6	1.6681	1.9341	1.7799
Jun-09	193.3	183.7	1.6926	2.2402	1.9226
Jul-09	196.2	165.2	1.7180	2.0146	1.8426
Aug-09	194.7	196.1	1.7049	2.3915	1.9933
Sep-09	194.9	186.6	1.7067	2.2756	1.9456
Oct-09	189.9	193.3	1.6629	2.3573	1.9545

Development of E Component

Calculation of Energy Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.2
Using Regional Indices Series ID: WPU0573 Light Fuel Oils (as of 03/04/15) and WPU0543 Industrial Electric Power (as of 03/04/15)

			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-09	186.0	207.8	1.6287	2.5341	2.0090
Dec-09	186.0	197.5	1.6287	2.4085	1.9562
Jan-10	186.3	220.7	1.6313	2.6915	2.0766
Feb-10	186.1	200.2	1.6296	2.4415	1.9706
Mar-10	189.0	217.0	1.6550	2.6463	2.0714
Apr-10	188.8	231.5	1.6532	2.8232	2.1446
May-10	192.0	226.0	1.6813	2.7561	2.1327
Jun-10	197.8	212.4	1.7320	2.5902	2.0925
Jul-10	199.8	209.3	1.7496	2.5524	2.0868
Aug-10	200.8	221.4	1.7583	2.7000	2.1538
Sep-10	200.0	220.0	1.7513	2.6829	2.1426
Oct-10	194.6	235.8	1.7040	2.8756	2.1961
Nov-10	190.9	245.3	1.6716	2.9915	2.2260

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
Jan-86		
Feb-86		
Mar-86	90.8	1.01114
Apr-86		
May-86		
Jun-86	91.2	1.01559
Jul-86		
Aug-86		
Sep-86	91.6	1.02004
Oct-86		
Nov-86		
Dec-86	92.5	1.03007
Jan-87		
Feb-87		
Mar-87	92.6	1.03118
Apr-87		
May-87		
Jun-87	93.7	1.04343
Jul-87		
Aug-87		
Sep-87	94.1	1.04788
Oct-87		
Nov-87		
Dec-87	95.4	1.06236
Jan-88		
Feb-88		
Mar-88	96.3	1.07238
Apr-88		
May-88		
Jun-88	97	1.08018
Jul-88		
Aug-88		
Sep-88	97.7	1.08797
Oct-88		
Nov-88		
Dec-88	98.8	1.10022
Jan-89		
Feb-89		
Mar-89	100	1.11359
Apr-89		

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
May-89		
Jun-89	101	1.12472
Jul-89		
Aug-89		
Sep-89	101.8	1.13363
Oct-89		
Nov-89		
Dec-89	103.3	1.15033
Jan-90		
Feb-90		
Mar-90	104.5	1.16370
Apr-90		
May-90		
Jun-90	105.6	1.17595
Jul-90		
Aug-90		
Sep-90	106.3	1.18374
Oct-90		
Nov-90		
Dec-90	107.5	1.19710
Jan-91		
Feb-91		
Mar-91	108.9	1.21269
Apr-91		
May-91		
Jun-91	110	1.22494
Jul-91		
Aug-91		
Sep-91	110.9	1.23497
Oct-91		
Nov-91		
Dec-91	111.9	1.24610
Jan-92		
Feb-92		
Mar-92	112.9	1.25724
Apr-92		
May-92		
Jun-92	114.1	1.27060
Jul-92		
Aug-92		

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
Sep-92	114.9	1.27951
Oct-92		
Nov-92		
Dec-92	116.2	1.29399
Jan-93		
Feb-93		
Mar-93	116.4	1.29621
Apr-93		
May-93		
Jun-93	117.8	1.31180
Jul-93		
Aug-93		
Sep-93	118.1	1.31514
Oct-93		
Nov-93		
Dec-93	119.4	1.32962
Jan-94		
Feb-94		
Mar-94	120.5	1.34187
Apr-94		
May-94		
Jun-94	121.3	1.35078
Jul-94		
Aug-94		
Sep-94	121.7	1.35523
Oct-94		
Nov-94		
Dec-94	122.6	1.36526
Jan-95		
Feb-95		
Mar-95	123.4	1.37416
Apr-95		
May-95		
Jun-95	123.9	1.37973
Jul-95		
Aug-95		
Sep-95	125	1.39198
Oct-95		
Nov-95		
Dec-95	125.9	1.40200

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
Jan-96		
Feb-96		
Mar-96	127.3	1.41759
Apr-96		
May-96		
Jun-96	128.3	1.42873
Jul-96		
Aug-96		
Sep-96	128.9	1.43541
Oct-96		
Nov-96		
Dec-96	130.3	1.45100
Jan-97		
Feb-97		
Mar-97	131.4	1.46325
Apr-97		
May-97		
Jun-97	132.5	1.47550
Jul-97		
Aug-97		
Sep-97	133.4	1.48552
Oct-97		
Nov-97		
Dec-97	135.2	1.50557
Jan-98		
Feb-98		
Mar-98	136.6	1.52116
Apr-98		
May-98		
Jun-98	138.5	1.54232
Jul-98		
Aug-98		
Sep-98	140	1.55902
Oct-98		
Nov-98		
Dec-98	140.3	1.56236
Jan-99		
Feb-99		
Mar-99	142.1	1.58241
Apr-99		

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
May-99		
Jun-99	143.3	1.59577
Jul-99		
Aug-99		
Sep-99	144.7	1.61136
Oct-99		
Nov-99		
Dec-99	147	1.63697
Jan-00		
Feb-00		
Mar-00	148.8	1.65702
Apr-00		
May-00		
Jun-00	150.8	1.67929
Jul-00		
Aug-00		
Sep-00	151.8	1.69042
Oct-00		
Nov-00		
Dec-00	84.1	0.93653
Jan-01		
Feb-01		
Mar-01	85	0.94655
Apr-01		
May-01		
Jun-01	85.9	0.95657
Jul-01		
Aug-01		
Sep-01	86.9	0.96771
Oct-01		
Nov-01		
Dec-01	87.4	0.97327
Jan-02		
Feb-02		
Mar-02	88.5	0.98552
Apr-02		
May-02		
Jun-02	89.1	0.99220
Jul-02		
Aug-02		

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
Sep-02	89.8	1.00000
Oct-02		
Nov-02		
Dec-02	90.9	1.01225
Jan-03		
Feb-03		
Mar-03	90.9	1.01225
Apr-03		
May-03		
Jun-03	92	1.02450
Jul-03		
Aug-03		
Sep-03	93.2	1.03786
Oct-03		
Nov-03		
Dec-03	93.8	1.04454
Jan-04		
Feb-04		
Mar-04	95.3	1.06125
Apr-04		
May-04		
Jun-04	96.2	1.07127
Jul-04		
Aug-04		
Sep-04	96.9	1.07906
Oct-04		
Nov-04		
Dec-04	97.4	1.08463
Jan-05		
Feb-05		
Mar-05	98.4	1.09577
Apr-05		
May-05		
Jun-05	99.3	1.10579
Jul-05		
Aug-05		
Sep-05	99.7	1.11024
Oct-05		
Nov-05		
Dec-05 Note 1	100	2.06000

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
Jan-06		
Feb-06		
Mar-06	100.6	2.07236
Apr-06		
May-06		
Jun-06	101.8	2.09708
Jul-06		
Aug-06		
Sep-06	102.5	2.11150
Oct-06		
Nov-06		
Dec-06	103	2.12180
Jan-07		
Feb-07		
Mar-07	104.2	2.14652
Apr-07		
May-07		
Jun-07	104.9	2.16094
Jul-07		
Aug-07		
Sep-07	105.7	2.17742
Oct-07		
Nov-07		
Dec-07	106.5	2.19390
Jan-08		
Feb-08		
Mar-08	107.8	2.22068
Apr-08		
May-08		
Jun-08	108.4	2.23304
Jul-08		
Aug-08		
Sep-08	109.3	2.25158
Oct-08		
Nov-08		
Dec-08	109.4	2.25364
Jan-09		
Feb-09		
Mar-09	109.9	2.26394
Apr-09		

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
May-09		
Jun-09	110	2.26600
Jul-09		
Aug-09		
Sep-09	110.3	2.27218
Oct-09		
Nov-09		
Dec-09	110.6	2.27836
Jan-10		
Feb-10		
Mar-10	111.3	2.29278
Apr-10		
May-10		
Jun-10	111.7	2.30102
Jul-10		
Aug-10		
Sep-10	112.3	2.31338
Oct-10		
Nov-10		
Dec-10	112.5	2.31750
Jan-11		
Feb-11		
Mar-11	113.5	2.33810
Apr-11		
May-11		
Jun-11	114.3	2.35458
Jul-11		
Aug-11		
Sep-11	114.6	2.36076
Oct-11		
Nov-11		
Dec-11	115.1	2.37106
Jan-12		
Feb-12		
Mar-12	115.7	2.38342
Apr-12		
May-12		
Jun-12	116.3	2.39578
Jul-12		
Aug-12		

Development of L Component

Calculation of Labor Escalation Factor - Reference NUREG-1307, Revision 15, Section 3.1
Using Regional Indices Series ID: CIU2010000000240I (as of 03/04/15)
January 1986 adjusted to reflect NUREG 1307, Revision 15, Scaling Factor for West Labor (Page 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-85	89.8	1.00000
Sep-12	116.8	2.40608
Oct-12		
Nov-12		
Dec-12	116.8	2.40608
Jan-13		
Feb-13		
Mar-13	117.6	2.42256
Apr-13		
May-13		
Jun-13	118.5	2.44110
Jul-13		
Aug-13		
Sep-13	119.2	2.45552
Oct-13		
Nov-13		
Dec-13	119.6	2.46376
Jan-14		
Feb-14		
Mar-14	120.1	2.47406
Apr-14		
May-14		
Jun-14	120.9	2.49054
Jul-14		
Aug-14		
Sep-14	121.9	2.51114
Oct-14		
Nov-14		
Dec-14	122.5	2.52350

Development of B Component

Development of Burial Escalation
Developed from NUREG-1307, Revision 15
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	11.3433
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	26.262	15.6505
2010	27.292	16.2646
2011	28.937	17.2446
2012	30.581	18.2247
2013	32.225	19.2044
2014	32.225	19.2044
2015	32.225	19.2044

Table 2.1 Note (e): Bx values for the generic site are assumed to be the same as that provided for the Atlantic Compact for lack of a better alternative at this time.
Note (f): Effective with NUREG-1307, Revision 8 (Reference3) an alternative disposal option was introduced in which the bulk of the LLW is assumed to be dispositioned by waste vendors and/or disposed of at a non-compact disposal facility.
Note (g): Effective with NUREG1307, Revision 15, the nomenclature for the two disposal options, referred to as "Direct Disposal" and "Direct Disposal with Vendors" in previous revisions of NUREG-1307, is changed to "Compact-Affiliated Disposal. Facility Only" and "Combination of Comapct-Affiliated and Non-Compact Disposal Facilities" to better describe the options.

2013 has no information in NUREG-1307 Revision 15. 2013 is an estimate that is calculated by applying the average percent change between 2010 and 2012 and adding to the 2012 base.

2015 The NRC has issued Regulatory Issue Summary 2014-12, "Decommissioning Fund Status Report Calculations Update to Low-Level Waste Burial Charge Information," to inform licensees that they may use low-level waste burial charge data contained in Revision 15 of NUREG-1307, Report on Waste Burial Charges: Changes in Decommissioning Waste Disposal Costs at Low-Level Waste Burial Facilities, dated January 2013, when preparing their periodic decommissioning fund status report..

Appendix C-1, Table C-1
Diablo Canyon Power Plant Unit 1
Decon Decommissioning Cost Estimate
(7 pages)

Appendix C-2, Table C-2
Diablo Canyon Power Plant Unit 2
Decon Decommissioning Cost Estimate
(8 pages)

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
PERIOD 1a - Shutdown through Transition													
Period 1a Direct Decommissioning Activities													
1a.1.1	Prepare preliminary decommissioning cost	-	-	-	-	-	-	191	41	232	232	-	-
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	-	-	-	-	-	-	294	63	357	357	-	-
1a.1.7	Review plant dwgs & specs.	-	-	-	-	-	-	676	144	820	820	-	-
1a.1.8	Perform detailed rad survey									a			
1a.1.9	Estimate by-product inventory	-	-	-	-	-	-	147	31	178	178	-	-
1a.1.10	End product description	-	-	-	-	-	-	147	31	178	178	-	-
1a.1.11	Detailed by-product inventory	-	-	-	-	-	-	191	41	232	232	-	-
1a.1.12	Define major work sequence	-	-	-	-	-	-	1,108	235	1,337	1,337	-	-
1a.1.13	Perform SER and EA	-	-	-	-	-	-	456	97	553	553	-	-
1a.1.14	Perform Site-Specific Cost Study	-	-	-	-	-	-	735	156	891	891	-	-
1a.1.15	Prepare/submit License Termination Plan	-	-	-	-	-	-	602	128	730	730	-	-
1a.1.16	Receive NRC approval of termination plan									a			
Activity Specifications													
1a.1.17.1	Plant & temporary facilities	-	-	-	-	-	-	723	154	877	789	-	88
1a.1.17.2	Plant systems	-	-	-	-	-	-	613	130	743	669	-	74
1a.1.17.3	NSSS Decontamination Flush	-	-	-	-	-	-	74	16	89	89	-	-
1a.1.17.4	Reactor internals	-	-	-	-	-	-	1,044	222	1,266	1,266	-	-
1a.1.17.5	Reactor vessel	-	-	-	-	-	-	956	203	1,159	1,159	-	-
1a.1.17.6	Biological shield	-	-	-	-	-	-	74	16	89	89	-	-
1a.1.17.7	Steam generators	-	-	-	-	-	-	459	98	556	556	-	-
1a.1.17.8	Reinforced concrete	-	-	-	-	-	-	235	50	285	143	-	143
1a.1.17.9	Main Turbine	-	-	-	-	-	-	59	13	71	-	-	71
1a.1.17.10	Main Condensers	-	-	-	-	-	-	59	13	71	-	-	71
1a.1.17.11	Plant structures & buildings	-	-	-	-	-	-	459	98	556	278	-	278
1a.1.17.12	Waste management	-	-	-	-	-	-	676	144	820	820	-	-
1a.1.17.13	Facility & site closeout	-	-	-	-	-	-	132	28	160	80	-	80
1a.1.17	Total	-	-	-	-	-	-	5,561	1,184	6,744	5,938	-	806
Planning & Site Preparations													
1a.1.18	Prepare dismantling sequence	-	-	-	-	-	-	353	75	428	428	-	-
1a.1.19	Plant prep. & temp. svces	-	-	-	-	-	-	2,800	596	3,396	3,396	-	-
1a.1.20	Design water clean-up system	-	-	-	-	-	-	206	44	250	250	-	-
1a.1.21	Rigging/Cont. Cntrl Envlps/tooling/etc.	-	-	-	-	-	-	2,200	468	2,668	2,668	-	-
1a.1.22	Procure casks/liners & containers	-	-	-	-	-	-	181	38	219	219	-	-
1a.1	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	15,842	3,372	19,214	18,408	-	806
Period 1a Additional Costs													
1a.2.1	Spent Fuel Pool Isolation	-	-	-	-	-	-	19,825	4,220	24,045	24,045	-	-
1a.2.2	Disposal of Contaminated Tools & Equipment	-	-	234	97	-	3,145	-	1,170	4,646	4,646	-	-
1a.2	Subtotal Period 1a Additional Costs	-	-	234	97	-	3,145	19,825	5,389	28,691	28,691	-	-
Period 1a Period-Dependent Costs													
1a.4.1	Insurance	-	-	-	-	-	-	1,056	150	1,205	1,205	-	-
1a.4.2	Property taxes	-	-	-	-	-	-	165	23	189	189	-	-
1a.4.3	Health physics supplies	-	485	-	-	-	-	-	172	657	657	-	-
1a.4.4	Heavy equipment rental	-	480	-	-	-	-	-	102	582	582	-	-
1a.4.5	Disposal of DAW generated	-	-	15	4	-	49	-	21	89	89	-	-
1a.4.6	Plant energy budget	-	-	-	-	-	-	1,156	246	1,402	1,402	-	-
1a.4.7	NRC Fees	-	-	-	-	-	-	1,177	167	1,344	1,344	-	-
1a.4.8	Emergency Planning Fees	-	-	-	-	-	-	1,001	142	1,143	-	1,143	-
1a.4.9	Spent Fuel Pool O&M	-	-	-	-	-	-	763	162	926	-	926	-
1a.4.10	ISFSI Operating Costs	-	-	-	-	-	-	45	10	54	-	54	-
1a.4.11	Severance Related Costs	-	-	-	-	-	-	35,456	7,547	43,002	43,002	-	-
1a.4.12	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	7,353	1,565	8,919	-	8,919	-
1a.4.13	Security Staff Cost	-	-	-	-	-	-	14,837	3,158	17,995	17,995	-	-
1a.4.14	Utility Staff Cost	-	-	-	-	-	-	33,000	7,024	40,024	40,024	-	-
1a.4	Subtotal Period 1a Period-Dependent Costs	-	965	15	4	-	49	96,010	20,489	117,533	106,491	11,042	-
1a.0	TOTAL PERIOD 1a COST	-	965	249	101	-	3,194	131,677	29,250	165,437	153,590	11,042	806
PERIOD 1b - Decommissioning Preparations													
Period 1b Direct Decommissioning Activities													
Detailed Work Procedures													
1b.1.1.1	Plant systems	-	-	-	-	-	-	696	148	844	759	-	84
1b.1.1.2	NSSS Decontamination Flush	-	-	-	-	-	-	147	31	178	178	-	-
1b.1.1.3	Reactor internals	-	-	-	-	-	-	368	78	446	446	-	-
1b.1.1.4	Remaining buildings	-	-	-	-	-	-	198	42	241	60	-	181
1b.1.1.5	CRD cooling assembly	-	-	-	-	-	-	147	31	178	178	-	-
1b.1.1.6	CRD housings & ICI tubes	-	-	-	-	-	-	147	31	178	178	-	-
1b.1.1.7	Incore instrumentation	-	-	-	-	-	-	147	31	178	178	-	-
1b.1.1.8	Reactor vessel	-	-	-	-	-	-	534	114	647	647	-	-
1b.1.1.9	Facility closeout	-	-	-	-	-	-	176	38	214	107	-	107
1b.1.1.10	Missile shields	-	-	-	-	-	-	66	14	80	80	-	-
1b.1.1.11	Biological shield	-	-	-	-	-	-	176	38	214	214	-	-
1b.1.1.12	Steam generators	-	-	-	-	-	-	676	144	820	820	-	-
1b.1.1.13	Reinforced concrete	-	-	-	-	-	-	147	31	178	89	-	89

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
						209	44	254	253.944	-	-
						322	68	391	390.682	-	-
						741	157	899	898.569	-	-
						161	34	195	195.341	-	-
						161	34	195	195.341	-	-
						209	44	254	253.944	-	-
						1,208	257	1,465	1,465.059	-	-
						499	106	606	605.558	-	-
						806	171	977	976.706	-	-
						660	140	800	800.117	-	-
						793	168	961	864.971	-	96.108
						671	143	814	732.535	-	81.393
						81	17	98	97.671	-	-
						1,144	243	1,387	1,386.922	-	-
						1,047	222	1,270	1,269.718	-	-
						81	17	98	97.671	-	-
						503	107	609	609.464	-	-
						258	55	313	156.273	-	156.273
						64	14	78	-	-	78.136
						64	14	78	-	-	78.136
						503	107	609	304.732	-	304.732
						741	157	899	898.569	-	-
						145	31	176	87.904	-	87.904
						6,095	1,294	7,389	6,506.430	-	882.682
						387	82	469	468.819	-	-
						3,069	652	3,721	3,720.784	-	-
						226	48	273	273.478	-	-
						2,411	512	2,923	2,923.473	-	-
						198	42	240	240.270	-	-
						17,364	3,687	21,051	20,168.514	-	882.682
						21,730	4,614	26,345	26,344.759	-	-
		256	106		4,337		1,279	5,978	5,977.795	-	-
		256	106		4,337	21,730	5,893	32,323	32,322.554	-	-
						1,157	164	1,321	1,320.846	-	-
						181	26	207	207.078	-	-
531							188	719	718.774	-	-
524							112	636	636.014	-	-
		17	5		68		22	112	111.667	-	-
						1,267	269	1,537	1,536.578	-	-
						1,291	183	1,473	1,473.245	-	-
						1,098	155	1,253	-	1,252.913	-
						836	178	1,014	-	1,014.112	-
						49	10	59	-	59.436	-
						38,863	8,252	47,115	47,115.320	-	-
						8,060	1,712	9,772	-	9,771.610	-
						16,263	3,453	19,716	19,716.077	-	-
						36,171	7,681	43,852	43,852.125	-	-
1,055		17	5		68	105,237	22,405	128,786	116,687.723	12,098.071	-
1,055		273	111		4,404	144,331	31,985	182,160	169,178.790	12,098.071	882.682
						763	162	925	832.095	-	92.455
						161	34	195	195.341	-	-
						403	86	488	488.353	-	-
						218	46	264	65.928	-	197.783
						161	34	195	195.341	-	-
						161	34	195	195.341	-	-
						161	34	195	195.341	-	-
						585	124	709	709.088	-	-
						193	41	234	117.205	-	117.205
						73	15	88	87.904	-	-
						193	41	234	234.409	-	-
						741	157	899	898.569	-	-
						161	34	195	97.671	-	97.671

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
1b.1.1.14	Main Turbine	-	-	-	-	-	-	229	49	278	-	-	278
1b.1.1.15	Main Condensers	-	-	-	-	-	-	229	49	278	-	-	278
1b.1.1.16	Auxiliary building	-	-	-	-	-	-	401	85	487	438	-	49
1b.1.1.17	Reactor building	-	-	-	-	-	-	401	85	487	438	-	49
1b.1.1	Total	-	-	-	-	-	-	4,887	1,040	5,927	4,812	-	1,115
1b.1.2	Decon primary loop	750	-	-	-	-	-	-	532	1,283	1,283	-	-
1b.1	Subtotal Period 1b Activity Costs	750	-	-	-	-	-	4,887	1,573	7,210	6,095	-	1,115
Period 1b Additional Costs													
1b.2.1	Site Characterization	-	-	-	-	-	-	4,765	2,029	6,794	6,794	-	-
1b.2.2	Hazardous Waste Management	-	-	-	-	-	-	204	43	247	247	-	-
1b.2.3	Mixed Waste Management	-	-	-	-	-	-	270	57	327	327	-	-
1b.2	Subtotal Period 1b Additional Costs	-	-	-	-	-	-	5,239	2,129	7,368	7,368	-	-
Period 1b Collateral Costs													
1b.3.1	Decon equipment	931	-	-	-	-	-	-	198	1,129	1,129	-	-
1b.3.2	DOC staff relocation expenses	-	-	-	-	-	-	1,415	301	1,716	1,716	-	-
1b.3.3	Process decommissioning water waste	46	-	21	66	-	88	-	81	302	302	-	-
1b.3.4	Process decommissioning chemical flush waste	2	-	63	256	-	6,210	-	2,267	8,797	8,797	-	-
1b.3.5	Small tool allowance	-	3	-	-	-	-	-	1	3	3	-	-
1b.3.6	Pipe cutting equipment	-	1,100	-	-	-	-	-	234	1,334	1,334	-	-
1b.3.7	Decon rig	1,500	-	-	-	-	-	-	319	1,819	1,819	-	-
1b.3.8	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	1,989	423	2,412	-	2,412	-
1b.3	Subtotal Period 1b Collateral Costs	2,479	1,103	84	321	-	6,298	3,404	3,825	17,513	15,100	2,412	-
Period 1b Period-Dependent Costs													
1b.4.1	Decon supplies	28	-	-	-	-	-	-	10	38	38	-	-
1b.4.2	Insurance	-	-	-	-	-	-	523	74	598	598	-	-
1b.4.3	Property taxes	-	-	-	-	-	-	82	12	94	94	-	-
1b.4.4	Health physics supplies	-	269	-	-	-	-	-	96	365	365	-	-
1b.4.5	Heavy equipment rental	-	238	-	-	-	-	-	51	288	288	-	-
1b.4.6	Disposal of DAW generated	-	-	9	3	-	28	-	12	52	52	-	-
1b.4.7	Plant energy budget	-	-	-	-	-	-	1,147	244	1,391	1,391	-	-
1b.4.8	NRC Fees	-	-	-	-	-	-	346	49	395	395	-	-
1b.4.9	Emergency Planning Fees	-	-	-	-	-	-	497	70	567	-	567	-
1b.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	378	81	459	-	459	-
1b.4.11	ISFSI Operating Costs	-	-	-	-	-	-	22	5	27	-	27	-
1b.4.12	Severance Related Costs	-	-	-	-	-	-	5,351	1,139	6,490	6,490	-	-
1b.4.13	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	7,347	1,564	8,911	-	8,911	-
1b.4.14	Security Staff Cost	-	-	-	-	-	-	7,357	1,566	8,924	8,924	-	-
1b.4.15	DOC Staff Cost	-	-	-	-	-	-	6,563	1,397	7,960	7,960	-	-
1b.4.16	Utility Staff Cost	-	-	-	-	-	-	16,460	3,504	19,963	19,963	-	-
1b.4	Subtotal Period 1b Period-Dependent Costs	28	507	9	3	-	28	46,074	9,872	56,522	46,557	9,964	-
1b.0	TOTAL PERIOD 1b COST	3,257	1,610	93	324	-	6,326	59,604	17,399	88,612	75,121	12,377	1,115
PERIOD 1 TOTALS		3,257	2,575	342	425	-	9,520	191,280	46,649	254,049	228,711	23,418	1,920
PERIOD 2a - Large Component Removal													
Period 2a Direct Decommissioning Activities													
Nuclear Steam Supply System Removal													
2a.1.1.1	Reactor Coolant Piping	370	354	52	40	-	1,342	-	880	3,038	3,038	-	-
2a.1.1.2	Pressurizer Quench Tank	39	35	8	6	-	189	-	110	387	387	-	-
2a.1.1.3	Reactor Coolant Pumps & Motors	118	126	103	185	-	1,443	-	694	2,669	2,669	-	-
2a.1.1.4	Pressurizer	50	70	448	114	-	750	-	414	1,846	1,846	-	-
2a.1.1.5	Steam Generators	477	4,206	3,368	1,922	-	12,807	-	7,260	30,039	30,039	-	-
2a.1.1.6	Retired Steam Generator Units	-	-	2,496	1,878	-	12,597	-	5,223	22,194	22,194	-	-
2a.1.1.7	CRDMs/ICIs/Service Structure Removal	196	112	262	37	-	444	-	381	1,433	1,433	-	-
2a.1.1.8	Reactor Vessel Internals	175	3,110	14,996	1,468	-	10,438	283	16,741	47,212	47,212	-	-
2a.1.1.9	Reactor Vessel	122	5,226	2,439	742	-	2,651	283	8,718	20,181	20,181	-	-
2a.1.1	Totals	1,546	13,241	24,170	6,392	-	42,661	567	40,422	128,998	128,998	-	-
Removal of Major Equipment													
2a.1.2	Main Turbine/Generator	-	202	-	-	-	-	-	43	245	-	-	245
2a.1.3	Main Condensers	-	668	-	-	-	-	-	142	810	-	-	810
Cascading Costs from Clean Building Demolition													
2a.1.4.1	*Reactor	-	1,194	-	-	-	-	-	254	1,448	1,448	-	-
2a.1.4.2	Containment Penetration Area	-	73	-	-	-	-	-	16	89	89	-	-
2a.1.4.3	Fuel Handling	-	193	-	-	-	-	-	41	234	234	-	-
2a.1.4	Totals	-	1,460	-	-	-	-	-	311	1,771	1,771	-	-
Disposal of Plant Systems													
2a.1.5.1	Auxiliary Steam	-	148	-	-	-	-	-	31	179	-	-	179
2a.1.5.2	Auxiliary Steam (RCA)	-	277	61	19	-	652	-	342	1,351	1,351	-	-
2a.1.5.3	Condensate System	-	679	-	-	-	-	-	145	824	-	-	824
2a.1.5.4	Condensate System (Insulated)	-	281	-	-	-	-	-	60	341	-	-	341
2a.1.5.5	Containment Spray	-	249	167	53	-	1,786	-	757	3,011	3,011	-	-
2a.1.5.6	Extraction Steam & Heater Drip	-	263	-	-	-	-	-	56	318	-	-	318
2a.1.5.7	Feedwater System	-	46	-	-	-	-	-	10	56	-	-	56
2a.1.5.8	Feedwater System (Insulated)	-	168	-	-	-	-	-	36	204	-	-	204
2a.1.5.9	Feedwater System (RCA Insulated)	-	126	43	15	-	506	-	234	923	923	-	-
2a.1.5.10	Feedwater System (RCA)	-	6	2	1	-	27	-	12	48	48	-	-
2a.1.5.11	Lube Oil Distribution & Purification	-	115	-	-	-	-	-	25	140	-	-	140
2a.1.5.12	Nitrogen & Hydrogen	-	20	-	-	-	-	-	4	24	-	-	24

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
1b.1.1.14	Main Turbine							251	53	305	-	-	304.732
1b.1.1.15	Main Condensers							251	53	305	-	-	304.732
1b.1.1.16	Auxiliary building							440	93	533	479.953	-	53.328
1b.1.1.17	Reactor building							440	93	533	479.953	-	53.328
1b.1.1	Total							5,356	1,137	6,494	5,272.493	-	1,221.234
1b.1.2	Decon primary loop	820							582	1,403	1,402.632	-	-
1b.1	Subtotal Period 1b Activity Costs	820						5,356	1,720	7,896	6,675.124	-	1,221.234
Period 1b Additional Costs													
1b.2.1	Site Characterization							5,223	2,218	7,441	7,441.196	-	-
1b.2.2	Hazardous Waste Management							224	47	271	271.086	-	-
1b.2.3	Mixed Waste Management							296	63	359	358.790	-	-
1b.2	Subtotal Period 1b Additional Costs							5,743	2,328	8,071	8,071.072	-	-
Period 1b Collateral Costs													
1b.3.1	Decon equipment	1,018							217	1,234	1,234.257	-	-
1b.3.2	DOC staff relocation expenses							1,551	329	1,880	1,879.771	-	-
1b.3.3	Process decommissioning water waste	50		23	72		121		88	355	355.398	-	-
1b.3.4	Process decommissioning chemical flush waste	2		68	279		8,563		2,480	11,393	11,392.632	-	-
1b.3.5	Small tool allowance		3						1	4	3.565	-	-
1b.3.6	Pipe cutting equipment		1,203						256	1,459	1,458.877	-	-
1b.3.7	Decon rig	1,640							349	1,989	1,989.377	-	-
1b.3.8	Spent Fuel Transfer - Pool to ISFSI							2,180	463	2,643	-	2,643.140	-
1b.3	Subtotal Period 1b Collateral Costs	2,710	1,206	92	351		8,684	3,731	4,183	20,957	18,313.877	2,643.140	-
Period 1b Period-Dependent Costs													
1b.4.1	Decon supplies	31							11	42	41.739	-	-
1b.4.2	Insurance							574	81	655	654.994	-	-
1b.4.3	Property taxes							90	13	103	102.688	-	-
1b.4.4	Health physics supplies		295						105	399	399.079	-	-
1b.4.5	Heavy equipment rental		260						55	315	315.393	-	-
1b.4.6	Disposal of DAW generated			10	3		39		13	65	64.895	-	-
1b.4.7	Plant energy budget							1,257	267	1,524	1,523.948	-	-
1b.4.8	NRC Fees							379	54	433	432.639	-	-
1b.4.9	Emergency Planning Fees							544	77	621	-	621.308	-
1b.4.10	Spent Fuel Pool O&M							415	88	503	-	502.888	-
1b.4.11	ISFSI Operating Costs							24	5	29	-	29.474	-
1b.4.12	Severance Related Costs							5,866	1,246	7,111	7,111.019	-	-
1b.4.13	Spent Fuel Storage Canisters/Overpacks							8,053	1,710	9,764	-	9,763.601	-
1b.4.14	Security Staff Cost							8,065	1,712	9,777	9,777.013	-	-
1b.4.15	DOC Staff Cost							7,193	1,527	8,721	8,720.851	-	-
1b.4.16	Utility Staff Cost							18,042	3,831	21,873	21,872.842	-	-
1b.4	Subtotal Period 1b Period-Dependent Costs	31	555	10	3		39	50,502	10,795	61,934	51,017.100	10,917.271	-
1b.0	TOTAL PERIOD 1b COST	3,562	1,760	102	354		8,724	65,331	19,026	98,859	84,077.173	13,560.411	1,221.234
PERIOD 1 TOTALS		3,562	2,815	374	465		13,128	209,662	51,011	281,018	253,255.963	25,658.482	2,103.916
PERIOD 2a - Large Component Removal													
Period 2a Direct Decommissioning Activities													
Nuclear Steam Supply System Removal													
2a.1.1.1	Reactor Coolant Piping	404	387	57	44		1,851		962	3,705	3,705.268	-	-
2a.1.1.2	Pressurizer Quench Tank	43	39	9	7		260		120	477	476.741	-	-
2a.1.1.3	Reactor Coolant Pumps & Motors	129	138	113	202		1,990		759	3,331	3,330.845	-	-
2a.1.1.4	Pressurizer	55	77	490	124		1,034		453	2,233	2,233.132	-	-
2a.1.1.5	Steam Generators	521	4,599	3,683	2,101		17,660		7,939	36,504	36,503.647	-	-
2a.1.1.6	Retired Steam Generator Units			2,729	2,053		17,372		5,711	27,865	27,865.195	-	-
2a.1.1.7	CRDMs/ICIs/Service Structure Removal	214	123	286	41		612		417	1,693	1,693.307	-	-
2a.1.1.8	Reactor Vessel Internals	192	3,401	16,398	1,606		14,394	311	18,306	54,607	54,607.013	-	-
2a.1.1.9	Reactor Vessel	133	5,715	2,667	812		3,656	311	9,533	22,826	22,825.935	-	-
2a.1.1	Totals	1,691	14,479	26,430	6,989		58,830	621	44,201	153,241	153,241.083	-	-
Removal of Major Equipment													
2a.1.2	Main Turbine/Generator		221						47	268	-	-	268.326
2a.1.3	Main Condensers		731						156	886	-	-	886.066
Cascading Costs from Clean Building Demolition													
2a.1.4.1	*Reactor		1,305						278	1,583	1,583.064	-	-
2a.1.4.2	Containment Penetration Area		80						17	97	97.216	-	-
2a.1.4.3	Fuel Handling		211						45	256	255.944	-	-
2a.1.4	Totals		1,596						340	1,936	1,936.223	-	-
Disposal of Plant Systems													
2a.1.5.1	Auxiliary Steam		161						34	196	-	-	195.667
2a.1.5.2	Auxiliary Steam (RCA)		303	66	21		900		374	1,664	1,664.070	-	-
2a.1.5.3	Condensate System		743						158	901	-	-	900.700
2a.1.5.4	Condensate System (Insulated)		308						66	373	-	-	373.263
2a.1.5.5	Containment Spray		273	182	58		2,463		828	3,803	3,802.856	-	-
2a.1.5.6	Extraction Steam & Heater Drip		287						61	348	-	-	348.229
2a.1.5.7	Feedwater System		50						11	61	-	-	60.697
2a.1.5.8	Feedwater System (Insulated)		184						39	223	-	-	223.458
2a.1.5.9	Feedwater System (RCA Insulated)		138	47	16		698		255	1,154	1,154.089	-	-
2a.1.5.10	Feedwater System (RCA)		7	2	1		37		13	60	59.941	-	-
2a.1.5.11	Lube Oil Distribution & Purification		126						27	153	-	-	152.762
2a.1.5.12	Nitrogen & Hydrogen		22						5	26	-	-	26.210

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2a.1.5.13	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	0	1	-	-	1
2a.1.5.14	Nitrogen & Hydrogen (RCA Insulated)	-	6	1	0	-	5	-	4	16	16	-	-
2a.1.5.15	Nitrogen & Hydrogen (RCA)	-	110	12	3	-	102	-	78	305	305	-	-
2a.1.5.16	Oily Water Separator & TB Sump	-	37	12	5	-	157	-	72	282	282	-	-
2a.1.5.17	Saltwater System	-	190	-	-	-	-	-	41	231	-	-	231
2a.1.5.18	Turbine Steam Supply	-	759	-	-	-	-	-	161	920	-	-	920
2a.1.5.19	Turbine Steam Supply (RCA)	-	862	335	112	-	3,799	-	1,725	6,833	6,833	-	-
2a.1.5.20	Turbine and Generator	-	80	-	-	-	-	-	17	98	-	-	98
2a.1.5.21	Turbine and Generator (Insulated)	-	26	-	-	-	-	-	6	32	-	-	32
2a.1.5	Totals	-	4,450	633	207	-	7,034	-	3,814	16,138	12,770	-	3,368
2a.1.6	Scaffolding in support of decommissioning	-	2,465	9	5	-	113	-	917	3,509	3,509	-	-
2a.1	Subtotal Period 2a Activity Costs	1,546	22,486	24,812	6,604	-	49,808	567	45,648	151,472	147,048	-	4,424
Period 2a Additional Costs													
2a.2.1	Retired Reactor Head	-	-	225	179	-	1,557	-	622	2,583	2,583	-	-
2a.2	Subtotal Period 2a Additional Costs	-	-	225	179	-	1,557	-	622	2,583	2,583	-	-
Period 2a Collateral Costs													
2a.3.1	Process decommissioning water waste	84	-	40	122	-	163	-	149	558	558	-	-
2a.3.2	Process decommissioning chemical flush waste	-	-	-	-	-	-	-	-	-	-	-	-
2a.3.3	Small tool allowance	-	287	-	-	-	-	-	61	348	313	-	35
2a.3.4	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	9,666	2,057	11,723	-	11,723	-
2a.3	Subtotal Period 2a Collateral Costs	84	287	40	122	-	163	9,666	2,267	12,629	871	11,723	35
Period 2a Period-Dependent Costs													
2a.4.1	Decon supplies	92	-	-	-	-	-	-	32	124	124	-	-
2a.4.2	Insurance	-	-	-	-	-	-	765	109	873	873	-	-
2a.4.3	Property taxes	-	-	-	-	-	-	267	38	304	274	-	30
2a.4.4	Health physics supplies	-	1,863	-	-	-	-	-	661	2,523	2,523	-	-
2a.4.5	Heavy equipment rental	-	3,362	-	-	-	-	-	716	4,077	4,077	-	-
2a.4.6	Disposal of DAW generated	-	-	96	27	-	305	-	127	555	555	-	-
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,770	377	2,146	2,146	-	-
2a.4.8	NRC Fees	-	-	-	-	-	-	1,022	145	1,167	1,167	-	-
2a.4.9	Emergency Planning Fees	-	-	-	-	-	-	1,152	163	1,315	-	1,315	-
2a.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	1,229	262	1,491	-	1,491	-
2a.4.11	ISFSI Operating Costs	-	-	-	-	-	-	72	15	87	-	87	-
2a.4.12	Severance Related Costs	-	-	-	-	-	-	3,173	675	3,848	3,848	-	-
2a.4.13	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	20,381	4,338	24,720	-	24,720	-
2a.4.14	Security Staff Cost	-	-	-	-	-	-	23,902	5,087	28,989	28,989	-	-
2a.4.15	DOC Staff Cost	-	-	-	-	-	-	26,041	5,543	31,584	31,584	-	-
2a.4.16	Utility Staff Cost	-	-	-	-	-	-	36,803	7,834	44,636	44,636	-	-
2a.4	Subtotal Period 2a Period-Dependent Costs	92	5,224	96	27	-	305	116,577	26,122	148,443	120,799	27,613	30
2a.0	TOTAL PERIOD 2a COST	1,722	27,997	25,173	6,932	-	51,833	126,809	74,660	315,127	271,302	39,336	4,489
PERIOD 2b - Site Decontamination													
Period 2b Direct Decommissioning Activities													
Disposal of Plant Systems													
2b.1.1.1	Capital Additions 85-2002 (clean)	-	182	-	-	-	-	-	39	220	-	-	220
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	485	54	19	-	635	-	409	1,603	1,603	-	-
2b.1.1.3	Chemical & Volume Control	875	1,229	197	67	-	2,277	-	1,907	6,551	6,551	-	-
2b.1.1.4	Chemical & Volume Control (Insulated)	324	465	50	14	-	466	-	570	1,887	1,887	-	-
2b.1.1.5	Component Cooling Water	-	196	-	-	-	-	-	42	237	-	-	237
2b.1.1.6	Component Cooling Water (RCA)	-	617	194	67	-	2,260	-	1,063	4,201	4,201	-	-
2b.1.1.7	Compressed Air	-	174	-	-	-	-	-	37	211	-	-	211
2b.1.1.8	Compressed Air (Insulated)	-	6	-	-	-	-	-	1	7	-	-	7
2b.1.1.9	Compressed Air (RCA Insulated)	-	29	4	1	-	31	-	22	87	87	-	-
2b.1.1.10	Compressed Air (RCA)	-	584	67	18	-	595	-	414	1,626	1,626	-	-
2b.1.1.11	Diesel Engine-Generator	-	179	-	-	-	-	-	38	217	-	-	217
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	11	-	-	-	-	-	2	14	-	-	14
2b.1.1.13	Electrical (Clean)	-	2,130	-	-	-	-	-	453	2,584	-	-	2,584
2b.1.1.14	Electrical (Contaminated)	-	633	91	38	-	1,275	-	698	2,735	2,735	-	-
2b.1.1.15	Electrical (Decontaminated)	-	3,324	-	-	-	-	-	708	4,032	-	-	4,032
2b.1.1.16	Fire Protection	-	386	147	54	-	1,820	-	815	3,222	3,222	-	-
2b.1.1.17	Gaseous Radwaste	-	88	10	3	-	91	-	66	258	258	-	-
2b.1.1.18	HVAC (Clean Insulated)	-	29	-	-	-	-	-	6	35	-	-	35
2b.1.1.19	HVAC (Clean)	-	372	-	-	-	-	-	79	451	-	-	451
2b.1.1.20	HVAC (Contaminated Insulated)	-	309	55	22	-	733	-	382	1,501	1,501	-	-
2b.1.1.21	HVAC (Contaminated)	-	1,372	272	108	-	3,662	-	1,848	7,262	7,262	-	-
2b.1.1.22	Liquid Radwaste	582	785	116	38	-	1,283	-	1,171	3,973	3,973	-	-
2b.1.1.23	Liquid Radwaste (Insulated)	69	86	10	3	-	91	-	114	372	372	-	-
2b.1.1.24	Make-up Water	-	360	-	-	-	-	-	77	437	-	-	437
2b.1.1.25	Make-up Water (Insulated)	-	33	-	-	-	-	-	7	40	-	-	40
2b.1.1.26	Make-up Water (RCA Insulated)	-	44	8	2	-	81	-	46	182	182	-	-
2b.1.1.27	Make-up Water (RCA)	-	237	46	14	-	459	-	256	1,012	1,012	-	-
2b.1.1.28	Miscellaneous Reactor Coolant	21	137	17	5	-	155	-	121	455	455	-	-
2b.1.1.29	Nuclear Steam Supply Sampling	-	182	13	4	-	141	-	117	457	457	-	-
2b.1.1.30	Nuclear Steam Supply Sampling (Insulated	-	55	2	1	-	19	-	27	103	103	-	-
2b.1.1.31	Residual Heat Removal	319	336	165	55	-	1,873	-	1,045	3,793	3,793	-	-
2b.1.1.32	Safety Injection	-	128	22	7	-	245	-	137	538	538	-	-
2b.1.1.33	Safety Injection (Insulated)	-	6	1	0	-	11	-	6	24	24	-	-
2b.1.1.34	Safety Injection (RCA Insulated)	-	42	9	3	-	95	-	50	198	198	-	-
2b.1.1.35	Safety Injection (RCA)	-	350	80	25	-	854	-	444	1,753	1,753	-	-
2b.1.1.36	Service Cooling Water	-	118	-	-	-	-	-	25	143	-	-	143

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2a.1.5.13	Nitrogen & Hydrogen (Insulated)		1						0	1	-	-	1.379
2a.1.5.14	Nitrogen & Hydrogen (RCA Insulated)		6	1	0		7		4	19	19.081	-	-
2a.1.5.15	Nitrogen & Hydrogen (RCA)		120	14	3		141		85	363	362.532	-	-
2a.1.5.16	Oily Water Separator & TB Sump		41	13	5		216		78	353	353.475	-	-
2a.1.5.17	Saltwater System		208						44	252	-	-	252.486
2a.1.5.18	Turbine Steam Supply		830						177	1,006	-	-	1,006.256
2a.1.5.19	Turbine Steam Supply (RCA)		942	366	122		5,239		1,886	8,556	8,556.151	-	-
2a.1.5.20	Turbine and Generator		88						19	107	-	-	106.706
2a.1.5.21	Turbine and Generator (Insulated)		29						6	35	-	-	35.141
2a.1.5	Totals		4,866	692	227		9,700		4,170	19,655	15,972.194	-	3,682.955
2a.1.6	Scaffolding in support of decommissioning		2,695	10	5		156		1,003	3,870	3,869.723	-	-
2a.1	Subtotal Period 2a Activity Costs	1,691	24,589	27,132	7,221		68,686	621	49,917	179,857	175,019.224	-	4,837.347
Period 2a Additional Costs													
2a.2.1	Retired Reactor Head			246	195		2,147		681	3,269	3,269.157	-	-
2a.2	Subtotal Period 2a Additional Costs			246	195		2,147		681	3,269	3,269.157	-	-
Period 2a Collateral Costs													
2a.3.1	Process decommissioning water waste	92		43	134		225		163	656	656.226	-	-
2a.3.2	Process decommissioning chemical flush waste												
2a.3.3	Small tool allowance		314						67	381	342.660	-	38.073
2a.3.4	Spent Fuel Transfer - Pool to ISFSI							10,595	2,250	12,844	-	12,844.351	-
2a.3	Subtotal Period 2a Collateral Costs	92	314	43	134		225	10,595	2,479	13,881	998.886	12,844.351	38.073
Period 2a Period-Dependent Costs													
2a.4.1	Decon supplies	100							36	136	135.595	-	-
2a.4.2	Insurance							838	119	957	957.146	-	-
2a.4.3	Property taxes							292	41	334	300.235	-	33.359
2a.4.4	Health physics supplies		2,037						723	2,759	2,759.229	-	-
2a.4.5	Heavy equipment rental		3,676						782	4,458	4,458.425	-	-
2a.4.6	Disposal of DAW generated			105	30		420		139	694	694.264	-	-
2a.4.7	Plant energy budget							1,940	412	2,352	2,351.595	-	-
2a.4.8	NRC Fees							1,120	159	1,279	1,278.998	-	-
2a.4.9	Emergency Planning Fees							1,263	179	1,441	-	1,441.274	-
2a.4.10	Spent Fuel Pool O&M							1,348	286	1,634	-	1,633.693	-
2a.4.11	ISFSI Operating Costs							79	17	96	-	95.748	-
2a.4.12	Severance Related Costs							3,478	739	4,216	4,216.361	-	-
2a.4.13	Spent Fuel Storage Canisters/Overpacks							22,340	4,744	27,084	-	27,083.814	-
2a.4.14	Security Staff Cost							26,199	5,563	31,762	31,761.784	-	-
2a.4.15	DOC Staff Cost							28,544	6,061	34,605	34,605.074	-	-
2a.4.16	Utility Staff Cost							40,340	8,566	48,906	48,905.615	-	-
2a.4	Subtotal Period 2a Period-Dependent Costs	100	5,713	105	30		420	127,780	28,565	162,712	132,424.322	30,254.529	33.359
2a.0	TOTAL PERIOD 2a COST	1,883	30,615	27,527	7,580		71,478	138,996	81,641	359,719	311,711.590	43,098.880	4,908.780
PERIOD 2b - Site Decontamination													
Period 2b Direct Decommissioning Activities													
Disposal of Plant Systems													
2b.1.1.1	Capital Additions 85-2002 (clean)		199						42	241	-	-	241.024
2b.1.1.2	Capital Additions 85-2002 (contaminated)		530	60	20		876		447	1,934	1,933.837	-	-
2b.1.1.3	Chemical & Volume Control	956	1,344	215	73		3,140		2,085	7,814	7,814.159	-	-
2b.1.1.4	Chemical & Volume Control (Insulated)	354	508	54	15		642		623	2,196	2,196.243	-	-
2b.1.1.5	Component Cooling Water		214						46	260	-	-	259.638
2b.1.1.6	Component Cooling Water (RCA)		675	212	73		3,117		1,162	5,239	5,238.630	-	-
2b.1.1.7	Compressed Air		191						41	231	-	-	231.157
2b.1.1.8	Compressed Air (Insulated)		7						1	8	-	-	8.200
2b.1.1.9	Compressed Air (RCA Insulated)		32	4	1		43		24	104	103.863	-	-
2b.1.1.10	Compressed Air (RCA)		584	73	19		820		452	1,948	1,948.352	-	-
2b.1.1.11	Diesel Engine-Generator		196						42	237	-	-	237.481
2b.1.1.12	Diesel Engine-Generator (Insulated)		12						3	15	-	-	14.866
2b.1.1.13	Electrical (Clean)		2,330						496	2,825	-	-	2,825.402
2b.1.1.14	Electrical (Contaminated)		692	100	41		1,759		763	3,355	3,355.189	-	-
2b.1.1.15	Electrical (Decontaminated)		3,635						774	4,409	-	-	4,408.786
2b.1.1.16	Fire Protection		422	161	59		2,510		891	4,043	4,042.849	-	-
2b.1.1.17	Gaseous Radwaste		97	11	3		126		72	309	308.674	-	-
2b.1.1.18	HVAC (Clean Insulated)		31						7	38	-	-	38.012
2b.1.1.19	HVAC (Clean)		406						86	493	-	-	492.844
2b.1.1.20	HVAC (Contaminated Insulated)		337	60	24		1,011		418	1,850	1,850.457	-	-
2b.1.1.21	HVAC (Contaminated)		1,500	298	118		5,050		2,020	8,987	8,986.501	-	-
2b.1.1.22	Liquid Radwaste	636	858	126	41		1,769		1,280	4,711	4,710.962	-	-
2b.1.1.23	Liquid Radwaste (Insulated)	75	94	11	3		126		124	433	433.350	-	-
2b.1.1.24	Make-up Water		394						84	478	-	-	477.604
2b.1.1.25	Make-up Water (Insulated)		36						8	43	-	-	43.283
2b.1.1.26	Make-up Water (RCA Insulated)		49	9	3		112		50	222	222.204	-	-
2b.1.1.27	Make-up Water (RCA)		259	50	15		633		280	1,237	1,237.339	-	-
2b.1.1.28	Miscellaneous Reactor Coolant	22	149	18	5		214		133	541	541.324	-	-
2b.1.1.29	Nuclear Steam Supply Sampling		199	14	5		194		128	540	540.485	-	-
2b.1.1.30	Nuclear Steam Supply Sampling (Insulated		61	2	1		26		29	118	118.265	-	-
2b.1.1.31	Residual Heat Removal	349	367	180	60		2,583		1,143	4,682	4,682.441	-	-
2b.1.1.32	Safety Injection		140	24	8		337		150	659	658.650	-	-
2b.1.1.33	Safety Injection (Insulated)		7	1	0		15		7	30	29.689	-	-
2b.1.1.34	Safety Injection (RCA Insulated)		45	10	3		131		55	244	243.992	-	-
2b.1.1.35	Safety Injection (RCA)		383	87	28		1,177		485	2,161	2,160.804	-	-
2b.1.1.36	Service Cooling Water		129						27	156	-	-	155.965

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2b.1.1.37	Service Cooling Water (RCA)	-	30	7	2	-	73	-	38	149	149	-	-
2b.1.1	Totals	2,188	15,679	1,635	567	-	19,225	-	13,278	52,572	43,945	-	8,628
2b.1.2	Scaffolding in support of decommissioning	-	3,081	12	6	-	141	-	1,146	4,387	4,387	-	-
Decontamination of Site Buildings													
2b.1.3.1	*Reactor	958	2,483	1,120	5,645	-	26,011	-	12,149	48,366	48,366	-	-
2b.1.3.2	Capital Additions 85-2004	33	27	7	3	-	96	-	69	236	236	-	-
2b.1.3.3	Containment Penetration Area	327	213	26	28	-	379	-	452	1,425	1,425	-	-
2b.1.3	Totals	1,318	2,724	1,153	5,677	-	26,486	-	12,669	50,027	50,027	-	-
2b.1	Subtotal Period 2b Activity Costs	3,506	21,484	2,800	6,250	-	45,852	-	27,093	106,986	98,358	-	8,628
Period 2b Collateral Costs													
2b.3.1	Process decommissioning water waste	133	-	65	199	-	266	-	241	904	904	-	-
2b.3.2	Process decommissioning chemical flush waste	3	-	103	420	-	782	-	384	1,692	1,692	-	-
2b.3.3	Small tool allowance	-	408	-	-	-	-	-	87	495	495	-	-
2b.3.4	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	7,355	1,566	8,921	-	8,921	-
2b.3	Subtotal Period 2b Collateral Costs	136	408	168	620	-	1,048	7,355	2,277	12,012	3,091	8,921	-
Period 2b Period-Dependent Costs													
2b.4.1	Decon supplies	796	-	-	-	-	-	-	283	1,079	1,079	-	-
2b.4.2	Insurance	-	-	-	-	-	-	1,138	162	1,300	1,300	-	-
2b.4.3	Property taxes	-	-	-	-	-	-	397	56	453	453	-	-
2b.4.4	Health physics supplies	-	2,527	-	-	-	-	-	897	3,424	3,424	-	-
2b.4.5	Heavy equipment rental	-	4,962	-	-	-	-	-	1,056	6,018	6,018	-	-
2b.4.6	Disposal of DAW generated	-	-	104	29	-	330	-	138	601	601	-	-
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,079	443	2,522	2,522	-	-
2b.4.8	NRC Fees	-	-	-	-	-	-	1,521	216	1,737	1,737	-	-
2b.4.9	Emergency Planning Fees	-	-	-	-	-	-	1,714	243	1,957	-	1,957	-
2b.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	1,829	389	2,219	-	2,219	-
2b.4.11	Liquid Radwaste Processing Equipment/Services	-	-	-	-	-	-	465	99	563	563	-	-
2b.4.12	ISFSI Operating Costs	-	-	-	-	-	-	107	23	130	-	130	-
2b.4.13	Severance Related Costs	-	-	-	-	-	-	7,661	1,631	9,291	9,291	-	-
2b.4.14	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	11,034	2,349	13,383	-	13,383	-
2b.4.15	Security Staff Cost	-	-	-	-	-	-	35,568	7,571	43,139	43,139	-	-
2b.4.16	DOC Staff Cost	-	-	-	-	-	-	26,233	5,584	31,816	31,816	-	-
2b.4.17	Utility Staff Cost	-	-	-	-	-	-	38,925	8,285	47,210	47,210	-	-
2b.4	Subtotal Period 2b Period-Dependent Costs	796	7,490	104	29	-	330	128,671	29,422	166,842	149,153	17,689	-
2b.0	TOTAL PERIOD 2b COST	4,439	29,382	3,072	6,899	-	47,230	136,026	58,793	285,840	250,603	26,610	8,628
PERIOD 2c - Spent fuel delay prior to SFP decon													
Period 2c Direct Decommissioning Activities													
Period 2c Collateral Costs													
2c.3.1	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	7,990	1,701	9,691	-	9,691	-
2c.3	Subtotal Period 2c Collateral Costs	-	-	-	-	-	-	7,990	1,701	9,691	-	9,691	-
Period 2c Period-Dependent Costs													
2c.4.1	Insurance	-	-	-	-	-	-	3,475	493	3,968	3,968	-	-
2c.4.2	Property taxes	-	-	-	-	-	-	1,211	172	1,383	1,383	-	-
2c.4.3	Health physics supplies	-	2,437	-	-	-	-	-	864	3,301	3,301	-	-
2c.4.4	Disposal of DAW generated	-	-	70	20	-	220	-	92	401	401	-	-
2c.4.5	Plant energy budget	-	-	-	-	-	-	1,692	360	2,053	2,053	-	-
2c.4.6	NRC Fees	-	-	-	-	-	-	2,671	379	3,050	3,050	-	-
2c.4.7	Emergency Planning Fees	-	-	-	-	-	-	5,232	742	5,975	-	5,975	-
2c.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	12,973	2,761	15,735	-	15,735	-
2c.4.9	Spent Fuel Pool O&M	-	-	-	-	-	-	5,585	1,189	6,773	-	6,773	-
2c.4.10	Liquid Radwaste Processing Equipment/Services	-	-	-	-	-	-	355	75	430	430	-	-
2c.4.11	ISFSI Operating Costs	-	-	-	-	-	-	327	70	397	-	397	-
2c.4.12	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	11,985	2,551	14,535	-	14,535	-
2c.4.13	Security Staff Cost	-	-	-	-	-	-	108,574	23,110	131,684	131,684	-	-
2c.4.14	Utility Staff Cost	-	-	-	-	-	-	8,384	1,785	10,169	10,169	-	-
2c.4	Subtotal Period 2c Period-Dependent Costs	-	2,437	70	20	-	220	162,464	34,644	199,853	156,438	43,415	-
2c.0	TOTAL PERIOD 2c COST	-	2,437	70	20	-	220	170,454	36,344	209,544	156,438	53,106	-
PERIOD 2d - Decontamination Following Wet Fuel Storage													
Period 2d Direct Decommissioning Activities													
2d.1.1	Remove spent fuel racks	585	56	174	36	-	1,207	-	896	2,954	2,954	-	-
Disposal of Plant Systems													
2d.1.2.1	Electrical (Contaminated) - FHB	-	184	14	6	-	194	-	138	536	536	-	-
2d.1.2.2	Electrical (Decontaminated) - FHB	-	1,165	133	53	-	1,781	-	1,075	4,206	4,206	-	-
2d.1.2.3	Fire Protection (RCA)	-	250	50	14	-	471	-	266	1,052	1,052	-	-
2d.1.2.4	HVAC (Contaminated) - FHB	-	326	64	25	-	838	-	427	1,680	1,680	-	-
2d.1.2.5	Spent Fuel Pit Cooling	-	94	65	21	-	706	-	297	1,183	1,183	-	-
2d.1.2.6	Spent Fuel Pit Cooling - FHB	-	130	70	23	-	764	-	332	1,319	1,319	-	-
2d.1.2	Totals	-	2,150	396	140	-	4,754	-	2,535	9,976	9,976	-	-
Decontamination of Site Buildings													
2d.1.3.1	Fuel Handling	811	859	63	41	-	637	-	1,124	3,534	3,534	-	-
2d.1.3	Totals	811	859	63	41	-	637	-	1,124	3,534	3,534	-	-
2d.1.4	Scaffolding in support of decommissioning	-	616	2	1	-	28	-	229	877	877	-	-

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
	33	8	2		100		41	184	184.122	-	-
2,393	17,145	1,788	620		26,511		14,519	62,977	53,542.380	-	9,434.260
	3,369	13	7		195		1,253	4,837	4,837.154	-	-
1,048	2,715	1,225	6,173		35,869		13,285	60,315	60,314.727	-	-
36	30	8	3		133		75	285	285.024	-	-
357	233	28	31		523		494	1,667	1,666.515	-	-
1,441	2,979	1,261	6,207		36,524		13,854	62,266	62,266.265	-	-
3,834	23,493	3,062	6,834		63,230		29,627	130,080	119,590.151	-	10,489.938
146		71	218		367		263	1,065	1,064.768	-	-
3		113	460		1,079		420	2,074	2,074.062	-	-
	446						95	541	540.799	-	-
						8,062	1,712	9,774	-	9,773.885	-
149	446	183	678		1,446	8,062	2,490	13,454	3,679.629	9,773.885	-
871							309	1,180	1,179.833	-	-
						1,248	177	1,424	1,424.324	-	-
						435	62	496	496.420	-	-
	2,764						980	3,744	3,744.251	-	-
	5,426						1,155	6,581	6,581.037	-	-
		114	32		454		151	751	751.208	-	-
						2,279	484	2,763	2,762.682	-	-
						1,667	236	1,903	1,903.271	-	-
						1,879	266	2,145	-	2,144.753	-
						2,005	426	2,431	-	2,431.091	-
						509	108	617	617.313	-	-
						118	25	142	-	142.483	-
						8,397	1,783	10,180	10,179.682	-	-
						12,095	2,568	14,663	-	14,662.920	-
						38,986	8,279	47,265	47,264.563	-	-
						28,753	6,106	34,859	34,859.097	-	-
						42,666	9,060	51,726	51,725.876	-	-
871	8,190	114	32		454	141,036	32,173	182,871	163,489.558	19,381.247	-
4,854	32,129	3,359	7,544		65,130	149,098	64,290	326,404	286,759.338	29,155.131	10,489.938
						8,758	1,860	10,618	-	10,617.614	-
						8,758	1,860	10,618	-	10,617.614	-
						3,809	539	4,348	4,347.851	-	-
						1,327	188	1,515	1,515.358	-	-
	2,665						945	3,610	3,609.836	-	-
		76	21		303		101	501	501.456	-	-
						1,855	394	2,249	2,248.876	-	-
						2,927	414	3,342	3,341.802	-	-
						5,735	812	6,547	-	6,547.010	-
						14,220	3,020	17,240	-	17,239.682	-
						6,121	1,300	7,421	-	7,421.079	-
						389	83	471	471.107	-	-
						359	76	435	-	434.939	-
						13,136	2,789	15,926	-	15,925.673	-
						119,008	25,271	144,278	144,278.462	-	-
						9,190	1,951	11,141	11,141.449	-	-
	2,665	76	21		303	178,076	37,883	219,025	171,456.197	47,568.883	-
	2,665	76	21		303	186,834	39,743	229,642	171,456.197	58,185.997	-
640	62	190	39		1,665		979	3,574	3,574.436	-	-
	202	15	6		268		150	642	641.611	-	-
	1,274	145	57		2,456		1,176	5,108	5,108.066	-	-
	274	55	15		650		291	1,285	1,284.776	-	-
	357	70	27		1,155		467	2,076	2,076.184	-	-
	102	71	23		974		325	1,495	1,495.070	-	-
	143	77	25		1,053		363	1,661	1,660.686	-	-
	2,351	433	153		6,556		2,772	12,266	12,266.392	-	-
887	940	69	45		878		1,229	4,047	4,046.597	-	-
887	940	69	45		878		1,229	4,047	4,046.597	-	-
	674	3	1		39		251	967	967.431	-	-

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2d.1	Subtotal Period 2d Activity Costs	1,396	3,682	635	218	-	6,626	-	4,784	17,342	17,342	-	-
Period 2d Additional Costs													
2d.2.1	License Termination Survey Planning	-	-	-	-	-	-	800	340	1,140	1,140	-	-
2d.2	Subtotal Period 2d Additional Costs	-	-	-	-	-	-	800	340	1,140	1,140	-	-
Period 2d Collateral Costs													
2d.3.1	Process decommissioning water waste	34	-	19	58	-	77	-	67	255	255	-	-
2d.3.2	Process decommissioning chemical flush waste	-	-	-	-	-	-	-	-	-	-	-	-
2d.3.3	Small tool allowance	-	84	-	-	-	-	-	18	101	101	-	-
2d.3.4	Decommissioning Equipment Disposition	-	-	155	54	-	1,828	-	682	2,718	2,718	-	-
2d.3	Subtotal Period 2d Collateral Costs	34	84	174	112	-	1,905	-	766	3,075	3,075	-	-
Period 2d Period-Dependent Costs													
2d.4.1	Decon supplies	209	-	-	-	-	-	-	74	283	283	-	-
2d.4.2	Insurance	-	-	-	-	-	-	219	31	250	250	-	-
2d.4.3	Property taxes	-	-	-	-	-	-	76	11	87	87	-	-
2d.4.4	Health physics supplies	-	443	-	-	-	-	-	157	600	600	-	-
2d.4.5	Heavy equipment rental	-	953	-	-	-	-	-	203	1,156	1,156	-	-
2d.4.6	Disposal of DAW generated	-	-	34	9	-	106	-	44	194	194	-	-
2d.4.7	Plant energy budget	-	-	-	-	-	-	213	45	258	258	-	-
2d.4.8	NRC Fees	-	-	-	-	-	-	250	35	285	285	-	-
2d.4.9	Emergency Planning Fees	-	-	-	-	-	-	165	23	188	-	188	-
2d.4.10	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	690	147	837	-	837	-
2d.4.11	Liquid Radwaste Processing Equipment/Services	-	-	-	-	-	-	178	38	216	216	-	-
2d.4.12	ISFSI Operating Costs	-	-	-	-	-	-	21	4	25	-	25	-
2d.4.13	Severance Related Costs	-	-	-	-	-	-	9,595	2,042	11,637	11,637	-	-
2d.4.14	Security Staff Cost	-	-	-	-	-	-	1,035	220	1,255	1,255	-	-
2d.4.15	DOC Staff Cost	-	-	-	-	-	-	3,363	716	4,078	4,078	-	-
2d.4.16	Utility Staff Cost	-	-	-	-	-	-	4,500	958	5,458	5,458	-	-
2d.4	Subtotal Period 2d Period-Dependent Costs	209	1,396	34	9	-	106	20,304	4,750	26,808	25,757	1,050	-
2d.0	TOTAL PERIOD 2d COST	1,639	5,161	842	339	-	8,638	21,103	10,641	48,364	47,314	1,050	-
PERIOD 2f - License Termination													
Period 2f Direct Decommissioning Activities													
2f.1.1	ORISE confirmatory survey	-	-	-	-	-	-	178	76	254	254	-	-
2f.1.2	Terminate license									a			
2f.1	Subtotal Period 2f Activity Costs	-	-	-	-	-	-	178	76	254	254	-	-
Period 2f Additional Costs													
2f.2.1	License Termination Survey	-	-	-	-	-	-	9,248	3,937	13,184	13,184	-	-
2f.2	Subtotal Period 2f Additional Costs	-	-	-	-	-	-	9,248	3,937	13,184	13,184	-	-
Period 2f Collateral Costs													
2f.3.1	DOC staff relocation expenses	-	-	-	-	-	-	1,415	301	1,716	1,716	-	-
2f.3	Subtotal Period 2f Collateral Costs	-	-	-	-	-	-	1,415	301	1,716	1,716	-	-
Period 2f Period-Dependent Costs													
2f.4.1	Insurance	-	-	-	-	-	-	319	45	365	365	-	-
2f.4.2	Property taxes	-	-	-	-	-	-	125	18	142	142	-	-
2f.4.3	Health physics supplies	-	632	-	-	-	-	-	224	856	856	-	-
2f.4.4	Disposal of DAW generated	-	-	9	2	-	27	-	11	49	49	-	-
2f.4.5	Plant energy budget	-	-	-	-	-	-	174	37	211	211	-	-
2f.4.6	NRC Fees	-	-	-	-	-	-	462	66	528	528	-	-
2f.4.7	Emergency Planning Fees	-	-	-	-	-	-	269	38	308	-	308	-
2f.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	1,130	241	1,371	-	1,371	-
2f.4.9	ISFSI Operating Costs	-	-	-	-	-	-	34	7	41	-	41	-
2f.4.10	Security Staff Cost	-	-	-	-	-	-	1,694	361	2,055	2,055	-	-
2f.4.11	DOC Staff Cost	-	-	-	-	-	-	4,689	998	5,687	5,687	-	-
2f.4.12	Utility Staff Cost	-	-	-	-	-	-	5,150	1,096	6,246	6,246	-	-
2f.4	Subtotal Period 2f Period-Dependent Costs	-	632	9	2	-	27	14,047	3,142	17,859	16,140	1,719	-
2f.0	TOTAL PERIOD 2f COST	-	632	9	2	-	27	24,887	7,456	33,012	31,293	1,719	-
PERIOD 2 TOTALS		7,800	65,609	29,166	14,192	-	107,948	479,280	187,894	891,887	756,949	121,822	13,117
PERIOD 3b - Site Restoration													
Period 3b Direct Decommissioning Activities													
Demolition of Remaining Site Buildings													
3b.1.1.1	*Reactor	-	6,798	-	-	-	-	-	1,447	8,245	-	-	8,245
3b.1.1.2	Capital Additions 85-2004	-	302	-	-	-	-	-	64	366	-	-	366
3b.1.1.3	Containment Penetration Area	-	686	-	-	-	-	-	146	832	-	-	832
3b.1.1.4	Miscellaneous	-	28	-	-	-	-	-	6	34	-	-	34
3b.1.1.5	Turbine	-	3,659	-	-	-	-	-	779	4,438	-	-	4,438
3b.1.1.6	Turbine Pedestal	-	1,318	-	-	-	-	-	281	1,599	-	-	1,599
3b.1.1.7	Fuel Handling	-	1,858	-	-	-	-	-	395	2,253	-	-	2,253
3b.1.1	Totals	-	14,650	-	-	-	-	-	3,118	17,768	-	-	17,768
Site Closeout Activities													
3b.1.2	Grade & landscape site	-	2,758	-	-	-	-	-	587	3,345	-	-	3,345
3b.1.3	Final report to NRC	-	-	-	-	-	-	229	49	278	278	-	-
3b.1	Subtotal Period 3b Activity Costs	-	17,407	-	-	-	-	229	3,754	21,391	278	-	21,113

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2d.1	Subtotal Period 2d Activity Costs	1,527	4,026	695	238		9,138		5,231	20,855	20,854.857	-	-
Period 2d Additional Costs													
2d.2.1	License Termination Survey Planning							877	372	1,249	1,248.840	-	-
2d.2	Subtotal Period 2d Additional Costs							877	372	1,249	1,248.840	-	-
Period 2d Collateral Costs													
2d.3.1	Process decommissioning water waste	37		21	64		107		73	301	301.212	-	-
2d.3.2	Process decommissioning chemical flush waste												
2d.3.3	Small tool allowance		91						19	111	110.746	-	-
2d.3.4	Decommissioning Equipment Disposition			169	59		2,520		746	3,494	3,493.934	-	-
2d.3	Subtotal Period 2d Collateral Costs	37	91	190	122		2,627		838	3,906	3,905.892	-	-
Period 2d Period-Dependent Costs													
2d.4.1	Decon supplies	229							81	310	309.728	-	-
2d.4.2	Insurance							240	34	273	273.470	-	-
2d.4.3	Property taxes							83	12	95	95.313	-	-
2d.4.4	Health physics supplies		484						172	656	656.204	-	-
2d.4.5	Heavy equipment rental		1,042						222	1,264	1,263.559	-	-
2d.4.6	Disposal of DAW generated			37	10		146		49	242	241.934	-	-
2d.4.7	Plant energy budget							233	50	283	282.899	-	-
2d.4.8	NRC Fees							274	39	313	312.635	-	-
2d.4.9	Emergency Planning Fees							180	26	206	-	205.897	-
2d.4.10	Spent Fuel Transfer - Pool or ISFSI to DOE							757	161	917	-	917.454	-
2d.4.11	Liquid Radwaste Processing Equipment/Services							196	42	237	237.048	-	-
2d.4.12	ISFSI Operating Costs							23	5	27	-	27.357	-
2d.4.13	Severance Related Costs							10,517	2,233	12,750	12,750.138	-	-
2d.4.14	Security Staff Cost							1,134	241	1,375	1,375.264	-	-
2d.4.15	DOC Staff Cost							3,686	783	4,468	4,468.290	-	-
2d.4.16	Utility Staff Cost							4,933	1,047	5,980	5,979.896	-	-
2d.4	Subtotal Period 2d Period-Dependent Costs	229	1,526	37	10		146	22,255	5,194	29,397	28,246.378	1,150.708	-
2d.0	TOTAL PERIOD 2d COST	1,793	5,644	921	371		11,911	23,132	11,635	55,407	54,255.966	1,150.708	-
PERIOD 2f - License Termination													
Period 2f Direct Decommissioning Activities													
2f.1.1	ORISE confirmatory survey							195	83	278	278.054	-	-
2f.1.2	Terminate license												
2f.1	Subtotal Period 2f Activity Costs							195	83	278	278.054	-	-
Period 2f Additional Costs													
2f.2.1	License Termination Survey							10,136	4,305	14,441	14,440.986	-	-
2f.2	Subtotal Period 2f Additional Costs							10,136	4,305	14,441	14,440.986	-	-
Period 2f Collateral Costs													
2f.3.1	DOC staff relocation expenses							1,551	329	1,880	1,879.771	-	-
2f.3	Subtotal Period 2f Collateral Costs							1,551	329	1,880	1,879.771	-	-
Period 2f Period-Dependent Costs													
2f.4.1	Insurance							350	50	400	399.536	-	-
2f.4.2	Property taxes							137	19	156	156.018	-	-
2f.4.3	Health physics supplies		691						245	936	935.802	-	-
2f.4.4	Disposal of DAW generated			9	3		37		12	62	61.688	-	-
2f.4.5	Plant energy budget							191	41	232	231.539	-	-
2f.4.6	NRC Fees							506	72	578	578.110	-	-
2f.4.7	Emergency Planning Fees							295	42	337	-	337.034	-
2f.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE							1,239	263	1,502	-	1,501.784	-
2f.4.9	ISFSI Operating Costs							37	8	45	-	44.780	-
2f.4.10	Security Staff Cost							1,857	394	2,251	2,251.177	-	-
2f.4.11	DOC Staff Cost							5,140	1,091	6,231	6,231.383	-	-
2f.4.12	Utility Staff Cost							5,645	1,199	6,844	6,843.851	-	-
2f.4	Subtotal Period 2f Period-Dependent Costs		691	9	3		37	15,397	3,436	19,573	17,689.103	1,883.599	-
2f.0	TOTAL PERIOD 2f COST		691	9	3		37	27,279	8,153	36,172	34,287.914	1,883.599	-
PERIOD 2 TOTALS		8,529	71,743	31,893	15,519		148,860	525,339	205,462	1,007,344	858,471.005	133,474.314	15,398.718
PERIOD 3b - Site Restoration													
Period 3b Direct Decommissioning Activities													
Demolition of Remaining Site Buildings													
3b.1.1.1	*Reactor		7,434						1,582	9,016	-	-	9,015.794
3b.1.1.2	Capital Additions 85-2004		330						70	400	-	-	400.405
3b.1.1.3	Containment Penetration Area		750						160	910	-	-	909.754
3b.1.1.4	Miscellaneous		31						7	37	-	-	37.492
3b.1.1.5	Turbine		4,002						852	4,853	-	-	4,853.298
3b.1.1.6	Turbine Pedestal		1,442						307	1,749	-	-	1,748.602
3b.1.1.7	Fuel Handling		2,031						432	2,464	-	-	2,463.736
3b.1.1	Totals		16,019						3,410	19,429	-	-	19,429.081
Site Closeout Activities													
3b.1.2	Grade & landscape site		3,016						642	3,657	-	-	3,657.483
3b.1.3	Final report to NRC							251	53	305	304.732	-	-
3b.1	Subtotal Period 3b Activity Costs		19,035					251	4,105	23,391	304.732	-	3,657.483

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
Period 3b Additional Costs													
3b.2.1	Concrete Crushing	-	476	-	-	-	-	0	101	577	-	-	577
3b.2.2	Cofferdam Construction and Teardown	-	478	-	-	-	-	-	102	580	-	-	580
3b.2.3	Soil / Sediment Control Plant Area	-	1,052	-	-	-	-	-	224	1,276	-	-	1,276
3b.2	Subtotal Period 3b Additional Costs	-	2,006	-	-	-	-	0	427	2,433	-	-	2,433
Period 3b Collateral Costs													
3b.3.1	Small tool allowance	-	210	-	-	-	-	-	45	254	-	-	254
3b.3	Subtotal Period 3b Collateral Costs	-	210	-	-	-	-	-	45	254	-	-	254
Period 3b Period-Dependent Costs													
3b.4.1	Insurance	-	-	-	-	-	-	525	74	599	-	599	-
3b.4.2	Property taxes	-	-	-	-	-	-	410	58	468	-	468	-
3b.4.3	Heavy equipment rental	-	7,847	-	-	-	-	-	1,564	8,911	-	-	8,911
3b.4.4	Plant energy budget	-	-	-	-	-	-	286	61	347	-	-	347
3b.4.5	NRC ISFSI Fees	-	-	-	-	-	-	348	49	397	-	397	-
3b.4.6	Emergency Planning Fees	-	-	-	-	-	-	885	126	1,011	-	1,011	-
3b.4.7	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	3,711	790	4,501	-	4,501	-
3b.4.8	ISFSI Operating Costs	-	-	-	-	-	-	111	24	134	-	134	-
3b.4.9	Security Staff Cost	-	-	-	-	-	-	5,569	1,185	6,754	0	5,471	1,283
3b.4.10	DOC Staff Cost	-	-	-	-	-	-	14,111	3,003	17,114	-	-	17,114
3b.4.11	Utility Staff Cost	-	-	-	-	-	-	7,357	1,566	8,923	-	1,785	7,138
3b.4	Subtotal Period 3b Period-Dependent Costs	-	7,847	-	-	-	-	33,312	8,501	49,160	0	14,366	34,794
3b.0	TOTAL PERIOD 3b COST	-	26,970	-	-	-	-	33,542	12,726	73,238	278	14,366	58,594
PERIOD 3c - Fuel Storage Operations/Shipping													
Period 3c Direct Decommissioning Activities													
Period 3c Period-Dependent Costs													
3c.4.1	Insurance	-	-	-	-	-	-	3,099	440	3,539	-	3,539	-
3c.4.2	Property taxes	-	-	-	-	-	-	2,420	343	2,764	-	2,764	-
3c.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-	-
3c.4.4	NRC ISFSI Fees	-	-	-	-	-	-	2,054	292	2,346	-	2,346	-
3c.4.5	Emergency Planning Fees	-	-	-	-	-	-	5,228	742	5,970	-	5,970	-
3c.4.6	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	21,995	4,682	26,676	-	26,676	-
3c.4.7	ISFSI Operating Costs	-	-	-	-	-	-	654	139	793	-	793	-
3c.4.8	Security Staff Cost	-	-	-	-	-	-	26,771	5,698	32,469	-	32,469	-
3c.4.9	Utility Staff Cost	-	-	-	-	-	-	8,802	1,874	10,676	-	10,676	-
3c.4	Subtotal Period 3c Period-Dependent Costs	-	-	-	-	-	-	71,024	14,209	85,233	-	85,233	-
3c.0	TOTAL PERIOD 3c COST	-	-	-	-	-	-	71,024	14,209	85,233	-	85,233	-
PERIOD 3d - GTCC shipping													
Period 3d Direct Decommissioning Activities													
Nuclear Steam Supply System Removal													
3d.1.1.1	Vessel & Internals GTCC Disposal	-	-	2,500	-	-	9,179	-	2,309	13,988	13,988	-	-
3d.1.1	Totals	-	-	2,500	-	-	9,179	-	2,309	13,988	13,988	-	-
3d.1	Subtotal Period 3d Activity Costs	-	-	2,500	-	-	9,179	-	2,309	13,988	13,988	-	-
Period 3d Collateral Costs													
3d.3	Subtotal Period 3d Collateral Costs	-	-	-	-	-	-	-	-	-	-	-	-
Period 3d Period-Dependent Costs													
3d.4.1	Insurance	-	-	-	-	-	-	10	1	11	-	11	-
3d.4.2	Property taxes	-	-	-	-	-	-	8	1	9	-	9	-
3d.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-	-
3d.4.4	NRC ISFSI Fees	-	-	-	-	-	-	6	1	7	-	7	-
3d.4.5	ISFSI Operating Costs	-	-	-	-	-	-	2	0	3	-	3	-
3d.4.6	Security Staff Cost	-	-	-	-	-	-	85	18	103	-	103	-
3d.4.7	Utility Staff Cost	-	-	-	-	-	-	28	6	34	-	34	-
3d.4	Subtotal Period 3d Period-Dependent Costs	-	-	-	-	-	-	139	28	167	-	167	-
3d.0	TOTAL PERIOD 3d COST	-	-	2,500	-	-	9,179	139	2,336	14,155	13,988	167	-
PERIOD 3e - ISFSI Decontamination													
Period 3e Direct Decommissioning Activities													
Period 3e Additional Costs													
3e.2.1	ISFSI License Termination	-	40	6	14	-	393	622	290	1,365	-	1,365	-
3e.2	Subtotal Period 3e Additional Costs	-	40	6	14	-	393	622	290	1,365	-	1,365	-
Period 3e Collateral Costs													
3e.3.1	Small tool allowance	-	1	-	-	-	-	-	0	1	-	1	-
3e.3	Subtotal Period 3e Collateral Costs	-	1	-	-	-	-	-	0	1	-	1	-
Period 3e Period-Dependent Costs													
3e.4.1	Insurance	-	-	-	-	-	-	-	-	-	-	-	-
3e.4.2	Property taxes	-	-	-	-	-	-	55	8	63	-	63	-
3e.4.3	Heavy equipment rental	-	136	-	-	-	-	-	29	165	-	165	-
3e.4.4	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-	-
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	-	94	13	107	-	107	-
3e.4.6	Security Staff Cost	-	-	-	-	-	-	61	13	74	-	74	-

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Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
	520					0	111	631	-	-	631.002
	523						111	634	-	-	634.342
	1,150						245	1,395	-	-	1,395.195
	2,193					0	467	2,661	-	-	2,660.539
	229						49	278	-	-	277.931
	229						49	278	-	-	277.931
						575	81	657	-	656.698	-
						449	64	513	-	512.873	-
	8,034						1,710	9,744	-	-	9,744.337
						314	67	381	-	-	380.566
						381	54	435	-	435.322	-
						971	137	1,108	-	1,107.924	-
						4,068	864	4,931	-	4,931.309	-
						121	26	147	-	147.205	-
						6,104	1,296	7,400	0.000	5,994.188	1,406.044
						15,467	3,284	18,751	-	-	18,750.811
						8,064	1,712	9,776	-	1,955.206	7,820.824
	8,034					36,514	9,295	53,843	0.000	15,740.724	38,102.583
	29,492					36,765	13,916	80,173	304.732	15,740.724	64,127.618
						3,397	481	3,878	-	3,877.715	-
						2,653	376	3,028	-	3,028.446	-
						2,252	319	2,571	-	2,570.515	-
						5,731	811	6,542	-	6,542.142	-
						24,108	5,119	29,227	-	29,227.476	-
						717	152	869	-	869.226	-
						29,344	6,231	35,575	-	35,574.869	-
						9,648	2,049	11,697	-	11,697.032	-
						77,850	15,538	93,387	-	93,387.420	-
						77,850	15,538	93,387	-	93,387.420	-
		2,734		12,658			2,524	17,916	17,916.027	-	-
		2,734		12,658			2,524	17,916	17,916.027	-	-
		2,734		12,658			2,524	17,916	17,916.027	-	-
						11	2	12	-	12.349	-
						8	1	10	-	9.645	-
						7	1	8	-	7.868	-
						2	0	3	-	2.768	-
						93	20	113	-	113.296	-
						31	7	37	-	37.252	-
						153	31	183	-	183.178	-
		2,734		12,658		153	2,555	18,099	17,916.027	183.178	-
	44	7	16		542	681	317	1,607	-	1,606.609	-
	44	7	16		542	681	317	1,607	-	1,606.609	-
	1						0	1	-	0.775	-
	1						0	1	-	0.775	-
						60	9	69	-	68.648	-
	149						32	180	-	180.304	-
						103	15	118	-	117.636	-
						67	14	81	-	81.013	-

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
3e.4.7	Utility Staff Cost	-	-	-	-	-	-	163	35	198	-	198	-
3e.4	Subtotal Period 3e Period-Dependent Costs	-	186	-	-	-	-	373	98	607	-	607	-
3e.0	TOTAL PERIOD 3e COST	-	177	6	14	-	393	995	388	1,973	-	1,973	-
PERIOD 3f - ISFSI Site Restoration													
Period 3f Direct Decommissioning Activities													
Period 3f Additional Costs													
3f.2.1	ISFSI Demolition and Site Restoration	-	1,371	-	-	-	-	27	297	1,695	-	1,695	-
3f.2.2	ISFSI Area Soil / Sediment Control	-	16	-	-	-	-	-	4	20	-	20	-
3f.2	Subtotal Period 3f Additional Costs	-	1,387	-	-	-	-	27	301	1,715	-	1,715	-
Period 3f Collateral Costs													
3f.3.1	Small tool allowance	-	20	-	-	-	-	-	4	24	-	24	-
3f.3	Subtotal Period 3f Collateral Costs	-	20	-	-	-	-	-	4	24	-	24	-
Period 3f Period-Dependent Costs													
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes	-	-	-	-	-	-	28	4	32	-	32	-
3f.4.3	Heavy equipment rental	-	54	-	-	-	-	-	11	65	-	65	-
3f.4.4	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-	-
3f.4.5	Security Staff Cost	-	-	-	-	-	-	11	2	14	-	14	-
3f.4.6	Utility Staff Cost	-	-	-	-	-	-	69	15	83	-	83	-
3f.4	Subtotal Period 3f Period-Dependent Costs	-	54	-	-	-	-	108	32	193	-	193	-
3f.0	TOTAL PERIOD 3f COST	-	1,461	-	-	-	-	134	338	1,932	-	1,932	-
PERIOD 3 TOTALS		-	28,607	2,506	14	-	9,572	105,834	29,997	176,531	14,266	103,672	58,594
TOTAL COST TO DECOMMISSION		11,057	96,791	32,014	14,632	-	127,040	776,395	264,540	1,322,468	999,926	248,912	73,630

TOTAL COST TO DECOMMISSION WITH 25.01% CONTINGENCY:	$1,322,468	thousands of 2011 dollars
TOTAL NRC LICENSE TERMINATION COST IS 75.61% OR:	$999,926	thousands of 2011 dollars
SPENT FUEL MANAGEMENT COST IS 18.82% OR:	$248,912	thousands of 2011 dollars
NON-NUCLEAR DEMOLITION COST IS 5.57% OR:	$73,630	thousands of 2011 dollars
TOTAL SCRAP METAL REMOVED:	49,854	Tons
TOTAL CRAFT LABOR REQUIREMENTS:	962,738	Man-hours

End Notes:
n/a - indicates that this activity not charged as decommissioning expense.
a - indicates that this activity performed by decommissioning staff.
0 - indicates that this value is less than 0.5 but is non-zero.
a cell containing " - " indicates a zero value

Table C-1
Diablo Canyon Unit 1
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
						179	38	217	-	216.907	-
	149					409	107	665	-	664.508	-
	193	7	16		542	1,090	424	2,272	-	2,271.892	-
	1,499					29	325	1,854	-	1,853.758	-
	18						4	22	-	21.847	-
	1,517					29	329	1,876	-	1,875.605	-
	21						5	26	-	25.960	-
	21						5	26	-	25.960	-
						30	4	35	-	34.608	-
	59						12	71	-	71.034	-
						12	3	15	-	14.851	-
						75	16	91	-	91.355	-
	59					118	35	212	-	211.847	-
	1,597					147	369	2,113	-	2,113.412	-
	31,282	2,740	16		13,200	116,005	32,802	196,045	18,220.760	113,696.627	64,127.618
12,091	105,841	35,008	16,000		175,188	851,006	289,275	1,484,407	1,129,947.729	272,829.424	81,630.252

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
PERIOD 1a - Shutdown through Transition												
Period 1a Direct Decommissioning Activities												
1a.1.1	Prepare preliminary decommissioning cost	-	-	-	-	-	-	82	17	99	99	-
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	-	-	-	-	-	-	126	26	152	152	-
1a.1.7	Review plant dwgs & specs.	-	-	-	-	-	-	289	61	350	350	-
1a.1.8	Perform detailed rad survey									a		
1a.1.9	Estimate by-product inventory	-	-	-	-	-	-	63	13	76	76	-
1a.1.10	End product description	-	-	-	-	-	-	63	13	76	76	-
1a.1.11	Detailed by-product inventory	-	-	-	-	-	-	82	17	99	99	-
1a.1.12	Define major work sequence	-	-	-	-	-	-	472	99	571	571	-
1a.1.13	Perform SER and EA	-	-	-	-	-	-	195	41	236	236	-
1a.1.14	Perform Site-Specific Cost Study	-	-	-	-	-	-	315	66	381	381	-
1a.1.15	Prepare/submit License Termination Plan	-	-	-	-	-	-	258	54	312	312	-
1a.1.16	Receive NRC approval of termination plan									a		
Activity Specifications												
1a.1.17.1	Plant & temporary facilities	-	-	-	-	-	-	310	65	375	337	-
1a.1.17.2	Plant systems	-	-	-	-	-	-	262	55	317	286	-
1a.1.17.3	NSSS Decontamination Flush	-	-	-	-	-	-	31	7	38	38	-
1a.1.17.4	Reactor internals	-	-	-	-	-	-	447	94	541	541	-
1a.1.17.5	Reactor vessel	-	-	-	-	-	-	409	86	495	495	-
1a.1.17.6	Biological shield	-	-	-	-	-	-	31	7	38	38	-
1a.1.17.7	Steam generators	-	-	-	-	-	-	196	41	238	238	-
1a.1.17.8	Reinforced concrete	-	-	-	-	-	-	101	21	122	61	-
1a.1.17.9	Main Turbine	-	-	-	-	-	-	25	5	30	-	-
1a.1.17.10	Main Condensers	-	-	-	-	-	-	25	5	30	-	-
1a.1.17.11	Plant structures & buildings	-	-	-	-	-	-	196	41	238	119	-
1a.1.17.12	Waste management	-	-	-	-	-	-	289	61	350	350	-
1a.1.17.13	Facility & site closeout	-	-	-	-	-	-	57	12	69	34	-
1a.1.17	Total	-	-	-	-	-	-	2,380	500	2,880	2,536	-
Planning & Site Preparations												
1a.1.18	Prepare dismantling sequence	-	-	-	-	-	-	151	32	183	183	-
1a.1.19	Plant prep. & temp. svces	-	-	-	-	-	-	2,800	589	3,389	3,389	-
1a.1.20	Design water clean-up system	-	-	-	-	-	-	88	19	107	107	-
1a.1.21	Rigging/Cont. Cntrl Envlps/tooling/etc.	-	-	-	-	-	-	2,200	463	2,663	2,663	-
1a.1.22	Procure casks/liners & containers	-	-	-	-	-	-	77	16	94	94	-
1a.1	Subtotal Period 1a Activity Costs	-	-	-	-	-	-	9,640	2,027	11,668	11,323	-
Period 1a Additional Costs												
1a.2.1	Spent Fuel Pool Isolation	-	-	-	-	-	-	13,217	2,779	15,996	15,996	-
1a.2.2	Disposal of Contaminated Tools & Equipment	-	-	234	97	-	3,145	-	1,156	4,632	4,632	-
1a.2	Subtotal Period 1a Additional Costs	-	-	234	97	-	3,145	13,217	3,935	20,628	20,628	-
Period 1a Period-Dependent Costs												
1a.4.1	Insurance	-	-	-	-	-	-	1,056	148	1,204	1,204	-
1a.4.2	Property taxes	-	-	-	-	-	-	165	23	189	189	-
1a.4.3	Health physics supplies	-	457	-	-	-	-	-	160	617	617	-
1a.4.4	Heavy equipment rental	-	480	-	-	-	-	-	101	580	580	-
1a.4.5	Disposal of DAW generated	-	-	14	4	-	45	-	19	83	83	-
1a.4.6	Plant energy budget	-	-	-	-	-	-	1,156	243	1,399	1,399	-
1a.4.7	NRC Fees	-	-	-	-	-	-	838	117	955	955	-
1a.4.8	Emergency Planning Fees	-	-	-	-	-	-	1,001	140	1,142	-	1,142
1a.4.9	Spent Fuel Pool O&M	-	-	-	-	-	-	763	160	924	-	924
1a.4.10	ISFSI Operating Costs	-	-	-	-	-	-	45	9	54	-	54
1a.4.11	Severance Related Costs	-	-	-	-	-	-	38,503	8,097	46,600	46,600	-
1a.4.12	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	5,714	1,202	6,916	-	6,916
1a.4.13	Security Staff Cost	-	-	-	-	-	-	14,837	3,120	17,957	17,957	-
1a.4.14	Utility Staff Cost	-	-	-	-	-	-	26,317	5,534	31,851	31,851	-
1a.4	Subtotal Period 1a Period-Dependent Costs	-	936	14	4	-	45	90,395	19,075	110,470	101,435	9,035
1a.0	TOTAL PERIOD 1a COST	-	936	248	101	-	3,190	113,252	25,038	142,766	133,387	9,035
PERIOD 1b - Decommissioning Preparations												
Period 1b Direct Decommissioning Activities												
Detailed Work Procedures												
1b.1.1.1	Plant systems	-	-	-	-	-	-	298	63	360	324	-
1b.1.1.2	NSSS Decontamination Flush	-	-	-	-	-	-	63	13	76	76	-
1b.1.1.3	Reactor internals	-	-	-	-	-	-	157	33	190	190	-
1b.1.1.4	Remaining buildings	-	-	-	-	-	-	85	18	103	26	-
1b.1.1.5	CRD cooling assembly	-	-	-	-	-	-	63	13	76	76	-
1b.1.1.6	CRD housings & ICI tubes	-	-	-	-	-	-	63	13	76	76	-
1b.1.1.7	Incore instrumentation	-	-	-	-	-	-	63	13	76	76	-
1b.1.1.8	Reactor vessel	-	-	-	-	-	-	228	48	276	276	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
PERIOD 1a - Shutdown through Transition													
Period 1a Direct Decommissioning Activities													
1a.1.1	Prepare preliminary decommissioning cost	-	-	-	-	-		89	19	108	108.208	-	-
1a.1.2	Notification of Cessation of Operations									-			
1a.1.3	Remove fuel & source material									-			
1a.1.4	Notification of Permanent Defueling									-			
1a.1.5	Deactivate plant systems & process waste									-			
1a.1.6	Prepare and submit PSDAR							138	29	166	166.473	-	-
1a.1.7	Review plant dwgs & specs.							316	67	383	382.888	-	-
1a.1.8	Perform detailed rad survey									-			
1a.1.9	Estimate by-product inventory							69	14	83	83.237	-	-
1a.1.10	End product description							69	14	83	83.237	-	-
1a.1.11	Detailed by-product inventory							89	19	108	108.208	-	-
1a.1.12	Define major work sequence							516	108	624	624.274	-	-
1a.1.13	Perform SER and EA							213	45	258	258.033	-	-
1a.1.14	Perform Site-Specific Cost Study							344	72	416	416.183	-	-
1a.1.15	Prepare/submit License Termination Plan							282	59	341	340.937	-	-
1a.1.16	Receive NRC approval of termination plan									-			
Activity Specifications													
1a.1.17.1	Plant & temporary facilities							338	71	410	368.571	-	40.952
1a.1.17.2	Plant systems							287	60	347	312.139	-	34.682
1a.1.17.3	NSSS Decontamination Flush							34	7	42	41.618	-	-
1a.1.17.4	Reactor internals							488	103	591	590.979	-	-
1a.1.17.5	Reactor vessel							447	94	541	541.038	-	-
1a.1.17.6	Biological shield							34	7	42	41.618	-	-
1a.1.17.7	Steam generators							215	45	260	259.698	-	-
1a.1.17.8	Reinforced concrete							110	23	133	66.589	-	66.589
1a.1.17.9	Main Turbine							28	6	33	-	-	33.295
1a.1.17.10	Main Condensers							28	6	33	-	-	33.295
1a.1.17.11	Plant structures & buildings							215	45	260	129.849	-	129.849
1a.1.17.12	Waste management							316	67	383	382.888	-	-
1a.1.17.13	Facility & site closeout							62	13	75	37.456	-	37.456
1a.1.17	Total							2,601	547	3,149	2,772.445	-	376.118
Planning & Site Preparations													
1a.1.18	Prepare dismantling sequence							165	35	200	199.768	-	-
1a.1.19	Plant prep. & temp. svces							3,061	644	3,704	3,704.341	-	-
1a.1.20	Design water clean-up system							96	20	117	116.531	-	-
1a.1.21	Rigging/Cont. Cntrl Envlps/tooling/etc.							2,405	506	2,911	2,910.554	-	-
1a.1.22	Procure casks/liners & containers							85	18	102	102.381	-	-
1a.1	Subtotal Period 1a Activity Costs							10,538	2,216	12,754	12,377.696	-	376.118
Period 1a Additional Costs													
1a.2.1	Spent Fuel Pool Isolation							14,447	3,038	17,486	17,485.549	-	-
1a.2.2	Disposal of Contaminated Tools & Equipment			263	109		4,173		1,263	5,808	5,808.401	-	-
1a.2	Subtotal Period 1a Additional Costs			263	109		4,173	14,447	4,301	23,294	23,293.950	-	-
Period 1a Period-Dependent Costs													
1a.4.1	Insurance							1,154	162	1,316	1,315.657	-	-
1a.4.2	Property taxes							181	25	206	206.265	-	-
1a.4.3	Health physics supplies	513						-	175	688	688.012	-	-
1a.4.4	Heavy equipment rental	539						-	110	649	649.023	-	-
1a.4.5	Disposal of DAW generated			16	5		60	-	21	101	101.437	-	-
1a.4.6	Plant energy budget							1,264	266	1,530	1,529.787	-	-
1a.4.7	NRC Fees							916	128	1,044	1,044.084	-	-
1a.4.8	Emergency Planning Fees							1,095	153	1,248	-	1,247.992	-
1a.4.9	Spent Fuel Pool O&M							834	175	1,010	-	1,009.631	-
1a.4.10	ISFSI Operating Costs							49	10	59	-	59.173	-
1a.4.11	Severance Related Costs							42,088	8,851	50,939	50,938.605	-	-
1a.4.12	Spent Fuel Storage Canisters/Overpacks							6,246	1,314	7,559	-	7,559.465	-
1a.4.13	Security Staff Cost							16,218	3,411	19,629	19,628.945	-	-
1a.4.14	Utility Staff Cost							28,767	6,050	34,817	34,816.664	-	-
1a.4	Subtotal Period 1a Period-Dependent Costs	1,052		16	5		60	98,811	20,851	120,795	110,918.479	9,876.260	-
1a.0	TOTAL PERIOD 1a COST	1,052		279	114		4,234	123,796	27,369	156,843	146,590.125	9,876.260	376.118
PERIOD 1b - Decommissioning Preparations													
Period 1b Direct Decommissioning Activities													
Detailed Work Procedures													
1b.1.1.1	Plant systems							326	68	394	354.563	-	39.396
1b.1.1.2	NSSS Decontamination Flush							69	14	83	83.237	-	-
1b.1.1.3	Reactor internals							172	36	208	208.091	-	-
1b.1.1.4	Remaining buildings							93	20	112	28.092	-	84.277
1b.1.1.5	CRD cooling assembly							69	14	83	83.237	-	-
1b.1.1.6	CRD housings & ICI tubes							69	14	83	83.237	-	-
1b.1.1.7	Incore instrumentation							69	14	83	83.237	-	-
1b.1.1.8	Reactor vessel							250	53	302	302.149	-	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
1b.1.1.9	Facility closeout	-	-	-	-	-	-	75	16	91	46	-
1b.1.1.10	Missile shields	-	-	-	-	-	-	28	6	34	34	-
1b.1.1.11	Biological shield	-	-	-	-	-	-	75	16	91	91	-
1b.1.1.12	Steam generators	-	-	-	-	-	-	289	61	350	350	-
1b.1.1.13	Reinforced concrete	-	-	-	-	-	-	63	13	76	38	-
1b.1.1.14	Main Turbine	-	-	-	-	-	-	98	21	119	-	-
1b.1.1.15	Main Condensers	-	-	-	-	-	-	98	21	119	-	-
1b.1.1.16	Auxiliary building	-	-	-	-	-	-	172	36	208	187	-
1b.1.1.17	Reactor building	-	-	-	-	-	-	172	36	208	187	-
1b.1.1	Total	-	-	-	-	-	-	2,092	440	2,531	2,055	-
1b.1.2	Decon primary loop	750	-	-	-	-	-	-	526	1,276	1,276	-
1b.1	Subtotal Period 1b Activity Costs	750	-	-	-	-	-	2,092	966	3,808	3,332	-
Period 1b Additional Costs												
1b.2.1	Site Characterization	-	-	-	-	-	-	2,038	857	2,895	2,895	-
1b.2.2	Hazardous Waste Management	-	-	-	-	-	-	204	43	247	247	-
1b.2.3	Mixed Waste Management	-	-	-	-	-	-	270	57	327	327	-
1b.2	Subtotal Period 1b Additional Costs	-	-	-	-	-	-	2,512	957	3,468	3,468	-
Period 1b Collateral Costs												
1b.3.1	Decon equipment	931	-	-	-	-	-	-	196	1,126	1,126	-
1b.3.2	DOC staff relocation expenses	-	-	-	-	-	-	1,415	297	1,712	1,712	-
1b.3.3	Process decommissioning water waste	46	-	21	66	-	88	-	80	301	301	-
1b.3.4	Process decommissioning chemical flush waste	2	-	63	256	-	6,210	-	2,240	8,770	8,770	-
1b.3.5	Small tool allowance	-	3	-	-	-	-	-	1	3	3	-
1b.3.6	Pipe cutting equipment	-	1,100	-	-	-	-	-	231	1,331	1,331	-
1b.3.7	Decon rig	1,500	-	-	-	-	-	-	315	1,815	1,815	-
1b.3	Subtotal Period 1b Collateral Costs	2,479	1,103	84	321	-	6,298	1,415	3,361	15,060	15,060	-
Period 1b Period-Dependent Costs												
1b.4.1	Decon supplies	28	-	-	-	-	-	-	10	38	38	-
1b.4.2	Insurance	-	-	-	-	-	-	523	73	597	597	-
1b.4.3	Property taxes	-	-	-	-	-	-	82	12	94	94	-
1b.4.4	Health physics supplies	-	249	-	-	-	-	-	87	336	336	-
1b.4.5	Heavy equipment rental	-	238	-	-	-	-	-	50	288	288	-
1b.4.6	Disposal of DAW generated	-	-	8	2	-	26	-	11	47	47	-
1b.4.7	Plant energy budget	-	-	-	-	-	-	1,147	241	1,388	1,388	-
1b.4.8	NRC Fees	-	-	-	-	-	-	237	33	270	270	-
1b.4.9	Emergency Planning Fees	-	-	-	-	-	-	497	70	566	-	566
1b.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	378	80	458	-	458
1b.4.11	ISFSI Operating Costs	-	-	-	-	-	-	22	5	27	-	27
1b.4.12	Severance Related Costs	-	-	-	-	-	-	2,018	424	2,442	2,442	-
1b.4.13	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	3,086	649	3,735	-	3,735
1b.4.14	Security Staff Cost	-	-	-	-	-	-	7,357	1,547	8,905	8,905	-
1b.4.15	DOC Staff Cost	-	-	-	-	-	-	4,664	981	5,645	5,645	-
1b.4.16	Utility Staff Cost	-	-	-	-	-	-	13,050	2,744	15,795	15,795	-
1b.4	Subtotal Period 1b Period-Dependent Costs	28	487	8	2	-	26	33,062	7,017	40,630	35,844	4,786
1b.0	TOTAL PERIOD 1b COST	3,257	1,589	92	324	-	6,323	39,080	12,300	62,965	57,703	4,786
PERIOD 1 TOTALS		3,257	2,525	341	425	-	9,514	152,332	37,338	205,731	191,090	13,821
PERIOD 2a - Large Component Removal												
Period 2a Direct Decommissioning Activities												
Nuclear Steam Supply System Removal												
2a.1.1.1	Reactor Coolant Piping	370	354	52	40	-	1,342	-	869	3,027	3,027	-
2a.1.1.2	Pressurizer Quench Tank	39	35	8	6	-	189	-	108	385	385	-
2a.1.1.3	Reactor Coolant Pumps & Motors	118	126	103	185	-	1,443	-	686	2,661	2,661	-
2a.1.1.4	Pressurizer	50	70	448	114	-	750	-	409	1,841	1,841	-
2a.1.1.5	Steam Generators	477	4,206	3,368	1,922	-	12,807	-	7,173	29,952	29,952	-
2a.1.1.6	Retired Steam Generator Units	-	-	2,496	1,878	-	12,597	-	5,160	22,131	22,131	-
2a.1.1.7	CRDMs/ICIs/Service Structure Removal	196	112	262	37	-	444	-	377	1,428	1,428	-
2a.1.1.8	Reactor Vessel Internals	163	3,064	14,919	1,413	-	10,366	278	16,385	46,588	46,588	-
2a.1.1.9	Reactor Vessel	122	5,180	2,387	742	-	2,651	278	8,545	19,905	19,905	-
2a.1.1	Totals	1,534	13,148	24,042	6,336	-	42,589	556	39,714	127,919	127,919	-
Removal of Major Equipment												
2a.1.2	Main Turbine/Generator	-	202	-	-	-	-	-	43	245	-	-
2a.1.3	Main Condensers	-	668	-	-	-	-	-	141	809	-	-
Cascading Costs from Clean Building Demolition												
2a.1.4.1	*Reactor	-	1,194	-	-	-	-	-	251	1,445	1,445	-
2a.1.4.2	Auxiliary	-	719	-	-	-	-	-	151	870	870	-
2a.1.4.3	Containment Penetration Area	-	73	-	-	-	-	-	15	89	89	-
2a.1.4.4	Radwaste Storage	-	91	-	-	-	-	-	19	110	110	-
2a.1.4.5	Fuel Handling	-	193	-	-	-	-	-	41	234	234	-
2a.1.4	Totals	-	2,270	-	-	-	-	-	477	2,747	2,747	-
Disposal of Plant Systems												
2a.1.5.1	Auxiliary Steam	-	76	-	-	-	-	-	16	92	-	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
1b.1.1.9	Facility closeout							83	17	100	49.942	-	49.942
1b.1.1.10	Missile shields							31	7	37	37.456	-	-
1b.1.1.11	Biological shield							83	17	100	99.884	-	-
1b.1.1.12	Steam generators							316	67	383	382.888	-	-
1b.1.1.13	Reinforced concrete							69	14	83	41.618	-	41.618
1b.1.1.14	Main Turbine							107	23	130	-	-	129.849
1b.1.1.15	Main Condensers							107	23	130	-	-	129.849
1b.1.1.16	Auxiliary building							188	39	227	204.512	-	22.724
1b.1.1.17	Reactor building							188	39	227	204.512	-	22.724
1b.1.1	Total							2,286	481	2,767	2,246.654	-	520.378
1b.1.2	Decon primary loop	843							575	1,418	1,417.957	-	-
1b.1	Subtotal Period 1b Activity Costs	843						2,286	1,056	4,185	3,661.760	-	523.230
Period 1b Additional Costs													
1b.2.1	Site Characterization							2,227	937	3,164	3,163.981	-	-
1b.2.2	Hazardous Waste Management							223	47	270	269.888	-	-
1b.2.3	Mixed Waste Management							295	62	357	357.204	-	-
1b.2	Subtotal Period 1b Additional Costs							2,745	1,046	3,791	3,791.073	-	-
Period 1b Collateral Costs													
1b.3.1	Decon equipment	1,046							214	1,260	1,259.503	-	-
1b.3.2	DOC staff relocation expenses	-						1,546	325	1,871	1,871.463	-	-
1b.3.3	Process decommissioning water waste	52		24	74		117	-	87	354	353.736	-	-
1b.3.4	Process decommissioning chemical flush waste	2		70	287		8,240	-	2,449	11,049	11,048.723	-	-
1b.3.5	Small tool allowance		3					-	1	4	3.638	-	-
1b.3.6	Pipe cutting equipment		1,236					-	253	1,489	1,488.717	-	-
1b.3.7	Decon rig	1,685						-	345	2,030	2,030.068	-	-
1b.3	Subtotal Period 1b Collateral Costs	2,785	1,239	94	361		8,357	1,546	3,674	18,056	18,055.848	-	-
Period 1b Period-Dependent Costs													
1b.4.1	Decon supplies	32						-	11	42	42.450	-	-
1b.4.2	Insurance							572	80	652	652.422	-	-
1b.4.3	Property taxes							90	13	102	102.285	-	-
1b.4.4	Health physics supplies		279					-	95	375	374.754	-	-
1b.4.5	Heavy equipment rental		267					-	55	322	321.844	-	-
1b.4.6	Disposal of DAW generated			9	3		34	-	12	58	57.809	-	-
1b.4.7	Plant energy budget							1,254	264	1,517	1,517.213	-	-
1b.4.8	NRC Fees							259	36	295	295.182	-	-
1b.4.9	Emergency Planning Fees							543	76	619	-	618.867	-
1b.4.10	Spent Fuel Pool O&M							414	87	501	-	500.666	-
1b.4.11	ISFSI Operating Costs							24	5	29	-	29.343	-
1b.4.12	Severance Related Costs							2,206	464	2,670	2,669.510	-	-
1b.4.13	Spent Fuel Storage Canisters/Overpacks							3,373	709	4,083	-	4,082.750	-
1b.4.14	Security Staff Cost							8,042	1,691	9,734	9,733.805	-	-
1b.4.15	DOC Staff Cost							5,098	1,072	6,170	6,170.384	-	-
1b.4.16	Utility Staff Cost							14,265	3,000	17,265	17,265.246	-	-
1b.4	Subtotal Period 1b Period-Dependent Costs	32	547	9	3		34	36,140	7,670	44,435	39,202.903	5,231.627	-
1b.0	TOTAL PERIOD 1b COST	3,659	1,786	104	364		8,391	42,718	13,445	70,466	64,711.584	5,231.627	523.230
PERIOD 1 TOTALS		3,659	2,837	383	477	-	12,625	166,514	40,814	227,309	211,301.710	15,107.887	899.348
PERIOD 2a - Large Component Removal										-			
Period 2a Direct Decommissioning Activities										-			
Nuclear Steam Supply System Removal					-					-			
2a.1.1.1	Reactor Coolant Piping	415	398	58	45		1,781		950	3,648	3,648.054	-	-
2a.1.1.2	Pressurizer Quench Tank	44	40	9	7		250		118	468	468.105	-	-
2a.1.1.3	Reactor Coolant Pumps & Motors	132	142	116	208		1,915		750	3,262	3,262.388	-	-
2a.1.1.4	Pressurizer	57	79	503	128		995		448	2,209	2,208.988	-	-
2a.1.1.5	Steam Generators	535	4,726	3,784	2,159		16,994		7,841	36,039	36,038.884	-	-
2a.1.1.6	Retired Steam Generator Units			2,804	2,109		16,717		5,641	27,271	27,270.859	-	-
2a.1.1.7	CRDMs/ICIs/Service Structure Removal	220	126	294	42		589		412	1,683	1,683.298	-	-
2a.1.1.8	Reactor Vessel Internals	183	3,442	16,762	1,587		13,756	304	17,911	53,944	53,944.408	-	-
2a.1.1.9	Reactor Vessel	137	5,820	2,681	834		3,518	304	9,341	22,634	22,634.441	-	-
2a.1.1	Totals	1,723	14,772	27,011	7,118	-	56,516	607	43,411	151,159	151,159.426	-	-
Removal of Major Equipment													
2a.1.2	Main Turbine/Generator		227						47	274	-	-	273.815
2a.1.3	Main Condensers		751						154	904	-	-	904.190
Cascading Costs from Clean Building Demolition													
2a.1.4.1	*Reactor		1,341						274	1,615	1,615.444	-	-
2a.1.4.2	Auxiliary		808						165	973	973.164	-	-
2a.1.4.3	Containment Penetration Area		82						17	99	99.233	-	-
2a.1.4.4	Radwaste Storage		102						21	123	123.183	-	-
2a.1.4.5	Fuel Handling		217						44	261	261.179	-	-
2a.1.4	Totals	-	2,550	-	-	-	-	-	522	3,072	3,072.203	-	-
Disposal of Plant Systems													
2a.1.5.1	Auxiliary Steam		85						17	102	-	-	102.435

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
2a.1.5.2	Auxiliary Steam (RCA)	-	141	32	9	-	319	-	168	670	670	-
2a.1.5.3	Building Services (Non-Power Block)	-	7	-	-	-	-	-	1	8	-	-
2a.1.5.4	Condensate System	-	619	-	-	-	-	-	130	749	-	-
2a.1.5.5	Condensate System (Insulated)	-	274	-	-	-	-	-	58	332	-	-
2a.1.5.6	Containment Spray	-	235	161	51	-	1,719	-	718	2,885	2,885	-
2a.1.5.7	Extraction Steam & Heater Drip	-	230	-	-	-	-	-	48	279	-	-
2a.1.5.8	Feedwater System	-	67	-	-	-	-	-	14	82	-	-
2a.1.5.9	Feedwater System (Insulated)	-	162	-	-	-	-	-	34	196	-	-
2a.1.5.10	Feedwater System (RCA Insulated)	-	119	42	15	-	497	-	225	897	897	-
2a.1.5.11	Feedwater System (RCA)	-	6	2	1	-	26	-	12	46	46	-
2a.1.5.12	NSSS Sampling	-	159	9	3	-	100	-	93	364	364	-
2a.1.5.13	NSSS Sampling (Insulated)	-	47	1	0	-	10	-	20	78	78	-
2a.1.5.14	Nitrogen & Hydrogen	-	19	-	-	-	-	-	4	23	-	-
2a.1.5.15	Nitrogen & Hydrogen (Insulated)	-	1	-	-	-	-	-	0	1	-	-
2a.1.5.16	Nitrogen & Hydrogen (RCA Insulated)	-	5	1	0	-	5	-	4	15	15	-
2a.1.5.17	Nitrogen & Hydrogen (RCA)	-	103	11	3	-	92	-	71	280	280	-
2a.1.5.18	Oily Water Separator & TB Sump	-	29	11	3	-	102	-	48	192	192	-
2a.1.5.19	Saltwater System	-	181	-	-	-	-	-	38	219	-	-
2a.1.5.20	Turbine Steam Supply	-	762	-	-	-	-	-	160	922	-	-
2a.1.5.21	Turbine Steam Supply (RCA)	-	878	345	117	-	3,961	-	1,769	7,070	7,070	-
2a.1.5.22	Turbine and Generator	-	81	-	-	-	-	-	17	98	-	-
2a.1.5.23	Turbine and Generator (Insulated)	-	24	-	-	-	-	-	5	29	-	-
2a.1.5	Totals	-	4,226	614	201	-	6,830	-	3,653	15,525	12,496	-
2a.1.6	Scaffolding in support of decommissioning	-	4,785	21	11	-	251	-	1,770	6,838	6,838	-
2a.1	Subtotal Period 2a Activity Costs	1,534	25,300	24,677	6,548	-	49,671	556	45,798	154,083	150,001	-
Period 2a Additional Costs												
2a.2.1	Retired Reactor Head	-	-	225	179	-	1,557	-	615	2,576	2,576	-
2a.2	Subtotal Period 2a Additional Costs	-	-	225	179	-	1,557	-	615	2,576	2,576	-
Period 2a Collateral Costs												
2a.3.1	Process decommissioning water waste	85	-	40	123	-	165	-	149	562	562	-
2a.3.2	Process decommissioning chemical flush waste	-	-	-	-	-	-	-	-	-	-	-
2a.3.3	Small tool allowance	-	315	-	-	-	-	-	66	381	343	-
2a.3.4	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	2,279	479	2,758	-	2,758
2a.3	Subtotal Period 2a Collateral Costs	85	315	40	123	-	165	2,279	694	3,701	905	2,758
Period 2a Period-Dependent Costs												
2a.4.1	Decon supplies	92	-	-	-	-	-	-	32	124	124	-
2a.4.2	Insurance	-	-	-	-	-	-	768	108	875	875	-
2a.4.3	Property taxes	-	-	-	-	-	-	268	38	305	275	-
2a.4.4	Health physics supplies	-	1,968	-	-	-	-	-	690	2,658	2,658	-
2a.4.5	Heavy equipment rental	-	3,373	-	-	-	-	-	709	4,082	4,082	-
2a.4.6	Disposal of DAW generated	-	-	110	31	-	349	-	144	635	635	-
2a.4.7	Plant energy budget	-	-	-	-	-	-	1,776	373	2,149	2,149	-
2a.4.8	NRC Fees	-	-	-	-	-	-	724	102	826	826	-
2a.4.9	Emergency Planning Fees	-	-	-	-	-	-	1,156	162	1,318	-	1,318
2a.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	1,234	259	1,493	-	1,493
2a.4.11	ISFSI Operating Costs	-	-	-	-	-	-	72	15	88	-	88
2a.4.12	Severance Related Costs	-	-	-	-	-	-	494	104	598	598	-
2a.4.13	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	3,418	719	4,137	-	4,137
2a.4.14	Security Staff Cost	-	-	-	-	-	-	23,983	5,044	29,027	29,027	-
2a.4.15	DOC Staff Cost	-	-	-	-	-	-	26,130	5,495	31,625	31,625	-
2a.4.16	Utility Staff Cost	-	-	-	-	-	-	37,794	7,948	45,742	45,742	-
2a.4	Subtotal Period 2a Period-Dependent Costs	92	5,341	110	31	-	349	97,815	21,942	125,681	118,615	7,035
2a.0	TOTAL PERIOD 2a COST	1,711	30,956	25,052	6,881	-	51,741	100,650	69,049	286,040	272,096	9,793
PERIOD 2b - Site Decontamination												
Period 2b Direct Decommissioning Activities												
Disposal of Plant Systems												
2b.1.1.1	Capital Additions 85-2002 (Clean)	-	450	-	-	-	-	-	95	544	-	-
2b.1.1.2	Capital Additions 85-2002 (contaminated)	-	483	61	24	-	797	-	462	1,827	1,827	-
2b.1.1.3	Chemical & Volume Control	809	1,066	172	58	-	1,966	-	1,666	5,736	5,736	-
2b.1.1.4	Chemical & Volume Control (Insulated)	294	432	47	13	-	438	-	520	1,744	1,744	-
2b.1.1.5	Component Cooling Water	-	190	-	-	-	-	-	40	230	-	-
2b.1.1.6	Component Cooling Water (RCA)	-	595	191	66	-	2,245	-	1,036	4,133	4,133	-
2b.1.1.7	Compressed Air	-	118	-	-	-	-	-	25	143	-	-
2b.1.1.8	Compressed Air (Insulated)	-	6	-	-	-	-	-	1	8	-	-
2b.1.1.9	Compressed Air (RCA Insulated)	-	29	4	1	-	33	-	23	89	89	-
2b.1.1.10	Compressed Air (RCA)	-	531	69	19	-	629	-	420	1,667	1,667	-
2b.1.1.11	Diesel Engine-Generator	-	137	-	-	-	-	-	29	165	-	-
2b.1.1.12	Diesel Engine-Generator (Insulated)	-	3	-	-	-	-	-	1	4	-	-
2b.1.1.13	Electrical (Clean)	-	3,115	-	-	-	-	-	655	3,770	-	-
2b.1.1.14	Electrical (Contaminated)	-	360	44	18	-	613	-	351	1,386	1,386	-
2b.1.1.15	Electrical (RCA)	-	1,875	-	-	-	-	-	394	2,269	-	-
2b.1.1.16	Fire Protection	-	364	148	53	-	1,792	-	788	3,145	3,145	-
2b.1.1.17	Gaseous Radwaste	-	133	20	6	-	217	-	127	502	502	-
2b.1.1.18	HVAC (Clean Insulated)	-	40	-	-	-	-	-	8	48	-	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2a.1.5.2	Auxiliary Steam (RCA)		159	36	11		424		184	812	812.448	-	-
2a.1.5.3	Building Services (Non-Power Block)		8						2	9	-	-	9.215
2a.1.5.4	Condensate System		695						142	837	-	-	837.179
2a.1.5.5	Condensate System (Insulated)		308						63	371	-	-	371.277
2a.1.5.6	Containment Spray		264	181	57		2,282		785	3,569	3,569.080	-	-
2a.1.5.7	Extraction Steam & Heater Drip		259						53	312	-	-	311.524
2a.1.5.8	Feedwater System		76						15	91	-	-	91.148
2a.1.5.9	Feedwater System (Insulated)		182						37	219	-	-	218.874
2a.1.5.10	Feedwater System (RCA Insulated)		134	47	16		659		246	1,102	1,101.750	-	-
2a.1.5.11	Feedwater System (RCA)		6	2	1		35		13	57	57.196	-	-
2a.1.5.12	NSSS Sampling		179	10	3		133		101	426	426.178	-	-
2a.1.5.13	NSSS Sampling (Insulated)		53	1	0		13		22	89	89.043	-	-
2a.1.5.14	Nitrogen & Hydrogen		22						4	26	-	-	26.276
2a.1.5.15	Nitrogen & Hydrogen (Insulated)		1						0	1	-	-	1.338
2a.1.5.16	Nitrogen & Hydrogen (RCA Insulated)		6	1	0		6		4	17	17.414	-	-
2a.1.5.17	Nitrogen & Hydrogen (RCA)		116	13	3		122		77	331	330.871	-	-
2a.1.5.18	Oily Water Separator & TB Sump		33	12	3		135		52	235	235.360	-	-
2a.1.5.19	Saltwater System		203						42	244	-	-	244.452
2a.1.5.20	Turbine Steam Supply		856						175	1,031	-	-	1,031.387
2a.1.5.21	Turbine Steam Supply (RCA)		987	388	131		5,256		1,934	8,695	8,695.254	-	-
2a.1.5.22	Turbine and Generator		91						19	110	-	-	109.545
2a.1.5.23	Turbine and Generator (Insulated)		27						5	32	-	-	32.204
2a.1.5	Totals	-	4,748	690	226	-	9,064	-	3,993	18,721	15,334.594	-	3,386.854
2a.1.6	Scaffolding in support of decommissioning		5,376	23	12		333		1,935	7,680	7,679.751	-	-
2a.1	Subtotal Period 2a Activity Costs	1,723	28,424	27,725	7,357	-	65,913	607	50,062	181,811	177,245.974	-	4,564.858
Period 2a Additional Costs													
2a.2.1	Retired Reactor Head			253	201		2,066		672	3,192	3,191.889	-	-
2a.2	Subtotal Period 2a Additional Costs	-	-	253	201	-	2,066	-	672	3,192	3,191.889	-	-
Period 2a Collateral Costs													
2a.3.1	Process decommissioning water waste	95		45	139		218		163	660	660.133	-	-
2a.3.2	Process decommissioning chemical flush waste												
2a.3.3	Small tool allowance		354						72	426	383.603	-	42.623
2a.3.4	Spent Fuel Transfer - Pool to ISFSI							2,491	524	3,015	-	3,014.656	-
2a.3	Subtotal Period 2a Collateral Costs	95	354	45	139	-	218	2,491	759	4,101	1,043.736	3,014.656	42.623
Period 2a Period-Dependent Costs													
2a.4.1	Decon supplies	103							35	138	138.372	-	-
2a.4.2	Insurance							839	118	957	956.629	-	-
2a.4.3	Property taxes							292	41	333	300.073	-	33.341
2a.4.4	Health physics supplies		2,211						754	2,965	2,965.426	-	-
2a.4.5	Heavy equipment rental		3,790						775	4,565	4,565.095	-	-
2a.4.6	Disposal of DAW generated			124	35		463		158	779	779.486	-	-
2a.4.7	Plant energy budget							1,941	408	2,349	2,349.166	-	-
2a.4.8	NRC Fees							792	111	903	902.824	-	-
2a.4.9	Emergency Planning Fees							1,263	177	1,440	-	1,440.496	-
2a.4.10	Spent Fuel Pool O&M							1,348	284	1,632	-	1,632.006	-
2a.4.11	ISFSI Operating Costs							79	17	96	-	95.650	-
2a.4.12	Severance Related Costs							540	114	654	653.756	-	-
2a.4.13	Spent Fuel Storage Canisters/Overpacks							3,736	786	4,522	-	4,521.988	-
2a.4.14	Security Staff Cost							26,216	5,513	31,729	31,728.978	-	-
2a.4.15	DOC Staff Cost							28,563	6,007	34,569	34,569.333	-	-
2a.4.16	Utility Staff Cost							41,312	8,688	50,000	50,000.176	-	-
2a.4	Subtotal Period 2a Period-Dependent Costs	103	6,001	124	35	-	463	106,922	23,985	137,633	129,909.312	7,690.139	33.341
2a.0	TOTAL PERIOD 2a COST	1,922	34,779	28,146	7,731	-	68,661	110,020	75,477	326,737	311,390.911	10,704.796	4,640.822
PERIOD 2b - Site Decontamination													
Period 2b Direct Decommissioning Activities													
Disposal of Plant Systems													
2b.1.1.1	Capital Additions 85-2002 (Clean)		505						103	609	-	-	608.647
2b.1.1.2	Capital Additions 85-2002 (contaminated)		543	68	26		1,058		505	2,201	2,200.817	-	-
2b.1.1.3	Chemical & Volume Control	908	1,198	193	65		2,608		1,821	6,794	6,794.086	-	-
2b.1.1.4	Chemical & Volume Control (Insulated)	330	486	53	15		581		569	2,033	2,033.240	-	-
2b.1.1.5	Component Cooling Water		213						44	257	-	-	257.001
2b.1.1.6	Component Cooling Water (RCA)		669	215	74		2,979		1,133	5,069	5,068.829	-	-
2b.1.1.7	Compressed Air		133						27	160	-	-	160.315
2b.1.1.8	Compressed Air (Insulated)		7						1	8	-	-	8.410
2b.1.1.9	Compressed Air (RCA Insulated)		33	4	1		44		25	106	106.474	-	-
2b.1.1.10	Compressed Air (RCA)		596	77	21		835		459	1,988	1,987.617	-	-
2b.1.1.11	Diesel Engine-Generator		154						31	185	-	-	185.015
2b.1.1.12	Diesel Engine-Generator (Insulated)		3						1	4	-	-	4.040
2b.1.1.13	Electrical (Clean)		3,500						716	4,216	-	-	4,216.081
2b.1.1.14	Electrical (Contaminated)		405	49	20		814		384	1,672	1,671.652	-	-
2b.1.1.15	Electrical (RCA)		2,106						431	2,537	-	-	2,537.299
2b.1.1.16	Fire Protection		409	167	59		2,377		861	3,873	3,873.492	-	-
2b.1.1.17	Gaseous Radwaste		149	22	7		288		138	605	604.505	-	-
2b.1.1.18	HVAC (Clean Insulated)		45						9	54	-	-	53.980

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
2b.1.1.19	HVAC (Clean)	-	428	-	-	-	-	-	90	518	-	-
2b.1.1.20	HVAC (Contaminated Insulated)	-	232	37	15	-	506	-	267	1,057	1,057	-
2b.1.1.21	HVAC (Contaminated)	-	1,033	185	76	-	2,563	-	1,302	5,159	5,159	-
2b.1.1.22	Liquid Radwaste	362	447	74	25	-	862	-	728	2,498	2,498	-
2b.1.1.23	Liquid Radwaste (Insulated)	29	44	5	1	-	45	-	53	177	177	-
2b.1.1.24	Lube Oil Distribution & Purification	-	126	-	-	-	-	-	26	152	-	-
2b.1.1.25	Make-up Water	-	244	-	-	-	-	-	51	296	-	-
2b.1.1.26	Make-up Water (Insulated)	-	24	-	-	-	-	-	5	29	-	-
2b.1.1.27	Make-up Water (RCA Insulated)	-	32	7	2	-	67	-	36	144	144	-
2b.1.1.28	Make-up Water (RCA)	-	164	39	11	-	378	-	198	790	790	-
2b.1.1.29	Mechanical Department Equipment	-	1	-	-	-	-	-	0	1	-	-
2b.1.1.30	Miscellaneous Reactor Coolant	21	141	17	5	-	158	-	123	464	464	-
2b.1.1.31	Nuclear Steam Supply Sampling	-	21	2	1	-	21	-	15	61	61	-
2b.1.1.32	Nuclear Steam Supply Sampling (Insulated	-	9	1	0	-	9	-	7	26	26	-
2b.1.1.33	Residual Heat Removal	307	305	162	54	-	1,845	-	1,003	3,675	3,675	-
2b.1.1.34	Safety Injection	-	124	21	7	-	242	-	133	527	527	-
Disposal of Plant Systems (continued)												
2b.1.1.35	Safety Injection (Insulated)	-	5	1	0	-	10	-	6	23	23	-
2b.1.1.36	Safety Injection (RCA Insulated)	-	38	8	3	-	92	-	48	189	189	-
2b.1.1.37	Safety Injection (RCA)	-	322	76	24	-	830	-	420	1,672	1,672	-
2b.1.1.38	Service Cooling Water	-	138	-	-	-	-	-	29	167	-	-
2b.1.1.39	Service Cooling Water (RCA)	-	37	9	3	-	96	-	49	195	195	-
2b.1.1.40	Sewer System Expansion	-	47	-	-	-	-	-	10	57	-	-
2b.1.1	Totals	1,821	13,893	1,400	485	-	16,454	-	11,238	45,291	36,887	-
2b.1.2	Scaffolding in support of decommissioning	-	5,982	26	14	-	313	-	2,213	8,548	8,548	-
Decontamination of Site Buildings												
2b.1.3.1	*Reactor	959	2,483	1,120	5,645	-	26,011	-	12,003	48,221	48,221	-
2b.1.3.2	Auxiliary	1,325	739	65	98	-	927	-	1,542	4,695	4,695	-
2b.1.3.3	Capital Additions 85-2004	423	168	10	20	-	151	-	414	1,187	1,187	-
2b.1.3.4	Containment Penetration Area	327	213	26	28	-	379	-	446	1,420	1,420	-
2b.1.3.5	Radwaste Storage	8	62	4	9	-	59	-	51	194	194	-
2b.1.3	Totals	3,042	3,666	1,224	5,801	-	27,526	-	14,457	55,716	55,716	-
2b.1	Subtotal Period 2b Activity Costs	4,863	23,541	2,650	6,300	-	44,293	-	27,908	109,554	101,151	-
Period 2b Collateral Costs												
2b.3.1	Process decommissioning water waste	143	-	69	213	-	284	-	254	964	964	-
2b.3.2	Process decommissioning chemical flush waste	3	-	90	369	-	687	-	333	1,482	1,482	-
2b.3.3	Small tool allowance	-	445	-	-	-	-	-	94	539	539	-
2b.3.4	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	7,172	1,508	8,681	-	8,681
2b.3	Subtotal Period 2b Collateral Costs	145	445	160	582	-	971	7,172	2,189	11,665	2,985	8,681
Period 2b Period-Dependent Costs												
2b.4.1	Decon supplies	1,456	-	-	-	-	-	-	510	1,966	1,966	-
2b.4.2	Insurance	-	-	-	-	-	-	1,136	159	1,295	1,295	-
2b.4.3	Property taxes	-	-	-	-	-	-	396	55	451	451	-
2b.4.4	Health physics supplies	-	2,764	-	-	-	-	-	969	3,733	3,733	-
2b.4.5	Heavy equipment rental	-	4,951	-	-	-	-	-	1,041	5,992	5,992	-
2b.4.6	Disposal of DAW generated	-	-	127	36	-	401	-	166	730	730	-
2b.4.7	Plant energy budget	-	-	-	-	-	-	2,074	436	2,510	2,510	-
2b.4.8	NRC Fees	-	-	-	-	-	-	1,072	150	1,222	1,222	-
2b.4.9	Emergency Planning Fees	-	-	-	-	-	-	1,710	240	1,950	-	1,950
2b.4.10	Spent Fuel Pool O&M	-	-	-	-	-	-	1,825	384	2,209	-	2,209
2b.4.11	Liquid Radwaste Processing Equipment/Services	-	-	-	-	-	-	463	97	561	561	-
2b.4.12	ISFSI Operating Costs	-	-	-	-	-	-	107	22	129	-	129
2b.4.13	Severance Related Costs	-	-	-	-	-	-	7,908	1,663	9,571	9,571	-
2b.4.14	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	10,760	2,263	13,023	-	13,023
2b.4.15	Security Staff Cost	-	-	-	-	-	-	35,487	7,463	42,950	42,950	-
2b.4.16	DOC Staff Cost	-	-	-	-	-	-	37,206	7,824	45,030	45,030	-
2b.4.17	Utility Staff Cost	-	-	-	-	-	-	53,628	11,278	64,905	64,905	-
2b.4	Subtotal Period 2b Period-Dependent Costs	1,456	7,715	127	36	-	401	153,771	34,722	198,227	180,916	17,311
2b.0	TOTAL PERIOD 2b COST	6,464	31,701	2,936	6,918	-	45,666	160,943	64,819	319,447	285,051	25,992
PERIOD 2c - Spent fuel delay prior to SFP decon												
Period 2c Direct Decommissioning Activities												
Period 2c Collateral Costs												
2c.3.1	Spent Fuel Transfer - Pool to ISFSI	-	-	-	-	-	-	7,549	1,588	9,137	-	9,137
2c.3	Subtotal Period 2c Collateral Costs	-	-	-	-	-	-	7,549	1,588	9,137	-	9,137
Period 2c Period-Dependent Costs												
2c.4.1	Insurance	-	-	-	-	-	-	3,088	433	3,521	3,521	-
2c.4.2	Property taxes	-	-	-	-	-	-	1,076	151	1,227	1,227	-
2c.4.3	Health physics supplies	-	2,326	-	-	-	-	-	815	3,142	3,142	-
2c.4.4	Disposal of DAW generated	-	-	68	19	-	216	-	89	392	392	-
2c.4.5	Plant energy budget	-	-	-	-	-	-	1,504	316	1,820	1,820	-
2c.4.6	NRC Fees	-	-	-	-	-	-	2,000	280	2,281	2,281	-
2c.4.7	Emergency Planning Fees	-	-	-	-	-	-	4,651	652	5,303	-	5,303
2c.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	13,947	2,933	16,880	-	16,880

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2b.1.1.19	HVAC (Clean)		481						98	580	-	-	579.786
2b.1.1.20	HVAC (Contaminated Insulated)		260	41	17		672		292	1,282	1,282.092	-	-
2b.1.1.21	HVAC (Contaminated)		1,161	208	85		3,401		1,423	6,278	6,277.763	-	-
2b.1.1.22	Liquid Radwaste	406	503	83	29		1,143		796	2,960	2,960.001	-	-
2b.1.1.23	Liquid Radwaste (Insulated)	33	49	5	2		60		58	207	207.001	-	-
2b.1.1.24	Lube Oil Distribution & Purification		141						29	170	-	-	170.404
2b.1.1.25	Make-up Water		275						56	331	-	-	330.765
2b.1.1.26	Make-up Water (Insulated)		27						5	32	-	-	32.093
2b.1.1.27	Make-up Water (RCA Insulated)		36	8	2		89		39	174	174.208	-	-
2b.1.1.28	Make-up Water (RCA)		184	43	13		502		216	958	958.451	-	-
2b.1.1.29	Mechanical Department Equipment		1						0	2	-	-	1.639
2b.1.1.30	Miscellaneous Reactor Coolant	23	159	19	5		209		134	550	549.544	-	-
2b.1.1.31	Nuclear Steam Supply Sampling		24	3	1		28		17	72	72.104	-	-
2b.1.1.32	Nuclear Steam Supply Sampling (Insulated		10	1	0		12		7	31	30.902	-	-
2b.1.1.33	Residual Heat Removal	345	343	181	61		2,448		1,096	4,474	4,474.301	-	-
2b.1.1.34	Safety Injection		139	24	8		321		145	637	637.181	-	-
Disposal of Plant Systems (continued)													
2b.1.1.35	Safety Injection (Insulated)		6	1	0		14		6	27	27.353	-	-
2b.1.1.36	Safety Injection (RCA Insulated)		43	10	3		122		52	230	230.180	-	-
2b.1.1.37	Safety Injection (RCA)		362	86	28		1,102		459	2,035	2,035.184	-	-
2b.1.1.38	Service Cooling Water		155						32	187	-	-	187.219
2b.1.1.39	Service Cooling Water (RCA)		42	11	3		128		53	237	236.764	-	-
2b.1.1.40	Sewer System Expansion		53						11	64	-	-	64.201
2b.1.1	Totals	2,046	15,609	1,572	545		21,834		12,284	53,891	44,493.743	-	9,396.894
2b.1.2	Scaffolding in support of decommissioning		6,720	29	16		416		2,419	9,600	9,599.688	-	-
Decontamination of Site Buildings													
2b.1.3.1	*Reactor	1,077	2,790	1,258	6,342		34,516		13,121	59,105	59,104.509	-	-
2b.1.3.2	Auxiliary	1,488	830	73	110		1,230		1,686	5,416	5,416.357	-	-
2b.1.3.3	Capital Additions 85-2004	476	189	11	22		201		453	1,352	1,351.844	-	-
2b.1.3.4	Containment Penetration Area	367	240	29	32		503		488	1,659	1,658.544	-	-
2b.1.3.5	Radwaste Storage	9	70	4	11		78		56	228	227.953	-	-
2b.1.3	Totals	3,418	4,119	1,376	6,517		36,527		15,803	67,759	67,759.208	-	-
2b.1	Subtotal Period 2b Activity Costs	5,463	26,448	2,977	7,078		58,777		30,506	131,250	121,852.639	-	9,396.894
Period 2b Collateral Costs													
2b.3.1	Process decommissioning water waste	160		78	240		377		278	1,133	1,133.005	-	-
2b.3.2	Process decommissioning chemical flush waste	3		102	415		911		364	1,795	1,794.505	-	-
2b.3.3	Small tool allowance		500						102	603	602.649	-	-
2b.3.4	Spent Fuel Transfer - Pool to ISFSI							7,840	1,649	9,489	-	9,488.853	-
2b.3	Subtotal Period 2b Collateral Costs	163	500	179	654		1,289	7,840	2,393	13,019	3,530.159	9,488.853	-
Period 2b Period-Dependent Costs													
2b.4.1	Decon supplies	1,635							558	2,193	2,192.923	-	-
2b.4.2	Insurance							1,241	174	1,415	1,415.486	-	-
2b.4.3	Property taxes							433	61	493	493.340	-	-
2b.4.4	Health physics supplies		3,105						1,059	4,164	4,164.491	-	-
2b.4.5	Heavy equipment rental		5,562						1,138	6,700	6,700.298	-	-
2b.4.6	Disposal of DAW generated			143	40		533		181	897	897.068	-	-
2b.4.7	Plant energy budget							2,267	477	2,744	2,744.186	-	-
2b.4.8	NRC Fees							1,172	164	1,336	1,335.873	-	-
2b.4.9	Emergency Planning Fees							1,869	262	2,131	-	2,131.445	-
2b.4.10	Spent Fuel Pool O&M							1,995	420	2,415	-	2,414.815	-
2b.4.11	Liquid Radwaste Processing Equipment/Services							507	107	613	613.180	-	-
2b.4.12	ISFSI Operating Costs							117	25	142	-	141.529	-
2b.4.13	Severance Related Costs							8,644	1,818	10,462	10,461.622	-	-
2b.4.14	Spent Fuel Storage Canisters/Overpacks							11,762	2,474	14,235	-	14,235.319	-
2b.4.15	Security Staff Cost							38,790	8,158	46,948	46,948.131	-	-
2b.4.16	DOC Staff Cost							40,669	8,553	49,222	49,222.118	-	-
2b.4.17	Utility Staff Cost							58,620	12,328	70,948	70,948.082	-	-
2b.4	Subtotal Period 2b Period-Dependent Costs	1,635	8,668	143	40		533	168,087	37,954	217,060	198,136.799	18,923.108	-
2b.0	TOTAL PERIOD 2b COST	7,262	35,616	3,299	7,772		60,599	175,927	70,853	361,328	323,519.598	28,411.961	9,396.894
PERIOD 2c - Spent fuel delay prior to SFP decon													
Period 2c Direct Decommissioning Activities													
Period 2c Collateral Costs													
2c.3.1	Spent Fuel Transfer - Pool to ISFSI							8,252	1,735	9,987	-	9,987.132	-
2c.3	Subtotal Period 2c Collateral Costs							8,252	1,735	9,987	-	9,987.132	-
Period 2c Period-Dependent Costs													
2c.4.1	Insurance							3,376	473	3,849	3,849.216	-	-
2c.4.2	Property taxes							1,177	165	1,342	1,341.568	-	-
2c.4.3	Health physics supplies		2,614						891	3,505	3,504.900	-	-
2c.4.4	Disposal of DAW generated			77	22		286		97	482	481.816	-	-
2c.4.5	Plant energy budget							1,644	346	1,990	1,989.980	-	-
2c.4.6	NRC Fees							2,187	307	2,493	2,493.090	-	-
2c.4.7	Emergency Planning Fees							5,083	713	5,796	-	5,796.163	-
2c.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE							15,246	3,206	18,451	-	18,451.852	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
Period 2c Period-Dependent Costs (continued)												
2c.4.9	Spent Fuel Pool O&M	-	-	-	-	-	-	4,964	1,044	6,007	-	6,007
2c.4.10	Liquid Radwaste Processing Equipment/Services	-	-	-	-	-	-	315	66	381	381	-
2c.4.11	ISFSI Operating Costs	-	-	-	-	-	-	291	61	352	-	352
2c.4.12	Spent Fuel Storage Canisters/Overpacks	-	-	-	-	-	-	11,323	2,381	13,704	-	13,704
2c.4.13	Security Staff Cost	-	-	-	-	-	-	96,501	20,294	116,795	116,795	-
2c.4.14	Utility Staff Cost	-	-	-	-	-	-	42,556	8,950	51,506	51,506	-
2c.4	Subtotal Period 2c Period-Dependent Costs	-	2,326	68	19	-	216	182,217	38,467	223,313	181,066	42,246
2c.0	TOTAL PERIOD 2c COST	-	2,326	68	19	-	216	189,766	40,054	232,449	181,066	51,383
PERIOD 2d - Decontamination Following Wet Fuel Storage												
Period 2d Direct Decommissioning Activities												
2d.1.1	Remove spent fuel racks	585	56	174	36	-	1,207	-	885	2,943	2,943	-
Disposal of Plant Systems												
2d.1.2.1	Electrical (Contaminated) - FHB	-	111	8	3	-	115	-	81	317	317	-
2d.1.2.2	Electrical (RCA)-FHB	-	690	78	31	-	1,042	-	624	2,464	2,464	-
2d.1.2.3	Fire Protection (RCA)	-	264	67	18	-	613	-	321	1,283	1,283	-
2d.1.2.4	HVAC (Contaminated) - FHB	-	231	39	16	-	542	-	280	1,107	1,107	-
2d.1.2.5	Spent Fuel Pit Cooling	-	94	65	21	-	712	-	296	1,189	1,189	-
2d.1.2.6	Spent Fuel Pit Cooling - FHB	-	130	71	23	-	772	-	331	1,327	1,327	-
2d.1.2	Totals	-	1,520	328	112	-	3,795	-	1,933	7,688	7,688	-
Decontamination of Site Buildings												
2d.1.3.1	Fuel Handling	811	859	63	41	-	637	-	1,110	3,521	3,521	-
2d.1.3	Totals	811	859	63	41	-	637	-	1,110	3,521	3,521	-
2d.1.4	Scaffolding in support of decommissioning	-	1,196	5	3	-	63	-	443	1,710	1,710	-
2d.1	Subtotal Period 2d Activity Costs	1,396	3,632	570	191	-	5,702	-	4,370	15,862	15,862	-
Period 2d Additional Costs												
2d.2.1	License Termination Survey Planning	-	-	-	-	-	-	800	336	1,136	1,136	-
2d.2	Subtotal Period 2d Additional Costs	-	-	-	-	-	-	800	336	1,136	1,136	-
Period 2d Collateral Costs												
2d.3.1	Process decommissioning water waste	37	-	20	62	-	82	-	70	271	271	-
2d.3.2	Process decommissioning chemical flush waste	-	-	-	-	-	-	-	-	-	-	-
2d.3.3	Small tool allowance	-	79	-	-	-	-	-	17	96	96	-
2d.3.4	Decommissioning Equipment Disposition	-	-	155	54	-	1,828	-	674	2,710	2,710	-
2d.3	Subtotal Period 2d Collateral Costs	37	79	175	115	-	1,910	-	760	3,076	3,076	-
Period 2d Period-Dependent Costs												
2d.4.1	Decon supplies	209	-	-	-	-	-	-	73	282	282	-
2d.4.2	Insurance	-	-	-	-	-	-	219	31	249	249	-
2d.4.3	Property taxes	-	-	-	-	-	-	76	11	87	87	-
2d.4.4	Health physics supplies	-	445	-	-	-	-	-	156	601	601	-
2d.4.5	Heavy equipment rental	-	953	-	-	-	-	-	200	1,153	1,153	-
2d.4.6	Disposal of DAW generated	-	-	45	13	-	143	-	59	260	260	-
2d.4.7	Plant energy budget	-	-	-	-	-	-	213	45	258	258	-
2d.4.8	NRC Fees	-	-	-	-	-	-	175	24	199	199	-
2d.4.9	Emergency Planning Fees	-	-	-	-	-	-	165	23	188	-	188
2d.4.10	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	1,216	256	1,472	-	1,472
2d.4.11	Liquid Radwaste Processing Equipment/Services	-	-	-	-	-	-	178	38	216	216	-
2d.4.12	ISFSI Operating Costs	-	-	-	-	-	-	21	4	25	-	25
2d.4.13	Severance Related Costs	-	-	-	-	-	-	12,313	2,589	14,902	14,902	-
2d.4.14	Security Staff Cost	-	-	-	-	-	-	1,035	218	1,253	1,253	-
2d.4.15	DOC Staff Cost	-	-	-	-	-	-	4,884	1,027	5,911	5,911	-
2d.4.16	Utility Staff Cost	-	-	-	-	-	-	7,532	1,584	9,117	9,117	-
2d.4	Subtotal Period 2d Period-Dependent Costs	209	1,398	45	13	-	143	28,027	6,338	36,173	34,488	1,685
2d.0	TOTAL PERIOD 2d COST	1,642	5,108	790	319	-	7,755	28,826	11,805	56,246	54,561	1,685
PERIOD 2f - License Termination												
Period 2f Direct Decommissioning Activities												
2f.1.1	ORISE confirmatory survey	-	-	-	-	-	-	178	75	253	253	-
2f.1.2	Terminate license									a		
2f.1	Subtotal Period 2f Activity Costs	-	-	-	-	-	-	178	75	253	253	-
Period 2f Additional Costs												
2f.2.1	License Termination Survey	-	-	-	-	-	-	14,399	6,056	20,456	20,456	-
2f.2	Subtotal Period 2f Additional Costs	-	-	-	-	-	-	14,399	6,056	20,456	20,456	-
Period 2f Collateral Costs												
2f.3.1	DOC staff relocation expenses	-	-	-	-	-	-	1,415	297	1,712	1,712	-
2f.3	Subtotal Period 2f Collateral Costs	-	-	-	-	-	-	1,415	297	1,712	1,712	-
Period 2f Period-Dependent Costs												
2f.4.1	Insurance	-	-	-	-	-	-	319	45	364	364	-
2f.4.2	Property taxes	-	-	-	-	-	-	125	17	142	142	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
Period 2c Period-Dependent Costs (continued)													
2c.4.9	Spent Fuel Pool O&M							5,426	1,141	6,567	-	6,566.748	-
2c.4.10	Liquid Radwaste Processing Equipment/Services							344	72	417	416.872	-	-
2c.4.11	ISFSI Operating Costs							318	67	385	-	384.868	-
2c.4.12	Spent Fuel Storage Canisters/Overpacks							12,377	2,603	14,980	-	14,979.906	-
2c.4.13	Security Staff Cost							105,485	22,184	127,669	127,668.811	-	-
2c.4.14	Utility Staff Cost							46,518	9,783	56,301	56,301.116	-	-
2c.4	Subtotal Period 2c Period-Dependent Costs		2,614	77	22		286	199,181	42,048	244,227	198,047.369	46,179.536	-
2c.0	TOTAL PERIOD 2c COST		2,614	77	22		286	207,433	43,783	254,214	198,047.369	56,166.668	-
PERIOD 2d - Decontamination Following Wet Fuel Storage													
Period 2d Direct Decommissioning Activities													
2d.1.1	Remove spent fuel racks	658	63	195	40		1,602		967	3,525	3,525.099	-	-
Disposal of Plant Systems													
2d.1.2.1	Electrical (Contaminated) - FHB		124	9	4		152		88	378	377.567	-	-
2d.1.2.2	Electrical (RCA)-FHB		775	87	35		1,383		682	2,962	2,961.701	-	-
2d.1.2.3	Fire Protection (RCA)		297	76	20		813		351	1,557	1,556.660	-	-
2d.1.2.4	HVAC (Contaminated) - FHB		259	44	18		719		306	1,346	1,345.914	-	-
2d.1.2.5	Spent Fuel Pit Cooling		106	73	24		945		324	1,472	1,472.077	-	-
2d.1.2.6	Spent Fuel Pit Cooling - FHB		146	79	26		1,024		362	1,637	1,637.398	-	-
2d.1.2	Totals		1,708	369	126		5,037		2,113	9,351	9,351.316	-	-
Decontamination of Site Buildings									-				
2d.1.3.1	Fuel Handling	911	965	71	46		845		1,213	4,052	4,051.558	-	-
2d.1.3	Totals	911	965	71	46		845		1,213	4,052	4,051.558	-	-
2d.1.4	Scaffolding in support of decommissioning		1,344	6	3		83		484	- 1,920	1,919.937	-	-
2d.1	Subtotal Period 2d Activity Costs	1,569	4,080	640	215		7,566		4,777	18,848	18,847.910	-	-
Period 2d Additional Costs													
2d.2.1	License Termination Survey Planning							874	368	1,242	1,241.847	-	-
2d.2	Subtotal Period 2d Additional Costs							874	368	1,242	1,241.847	-	-
Period 2d Collateral Costs									-				
2d.3.1	Process decommissioning water waste	41		22	69		109		77	319	318.635	-	-
2d.3.2	Process decommissioning chemical flush waste												
2d.3.3	Small tool allowance		89						18	107	106.849	-	-
2d.3.4	Decommissioning Equipment Disposition			174	61		2,425		736	3,396	3,395.953	-	-
2d.3	Subtotal Period 2d Collateral Costs	41	89	196	130		2,534		831	3,821	3,821.438	-	-
Period 2d Period-Dependent Costs													
2d.4.1	Decon supplies	235							80	315	315.000	-	-
2d.4.2	Insurance							239	33	272	272.396	-	-
2d.4.3	Property taxes							83	12	95	94.938	-	-
2d.4.4	Health physics supplies		500						170	670	670.159	-	-
2d.4.5	Heavy equipment rental		1,070						219	1,289	1,289.404	-	-
2d.4.6	Disposal of DAW generated			51	14		190		65	320	319.856	-	-
2d.4.7	Plant energy budget							233	49	282	281.648	-	-
2d.4.8	NRC Fees							191	27	218	217.637	-	-
2d.4.9	Emergency Planning Fees							180	25	205	-	205.088	-
2d.4.10	Spent Fuel Transfer - Pool or ISFSI to DOE							1,330	280	1,609	-	1,609.322	-
2d.4.11	Liquid Radwaste Processing Equipment/Services							195	41	236	236.001	-	-
2d.4.12	ISFSI Operating Costs							23	5	27	-	27.236	-
2d.4.13	Severance Related Costs							13,459	2,830	16,289	16,289.456	-	-
2d.4.14	Security Staff Cost							1,131	238	1,369	1,369.187	-	-
2d.4.15	DOC Staff Cost							5,339	1,123	6,462	6,461.779	-	-
2d.4.16	Utility Staff Cost							8,234	1,732	9,965	9,965.270	-	-
2d.4	Subtotal Period 2d Period-Dependent Costs	235	1,570	51	14		190	30,636	6,928	39,624	37,782.731	1,841.646	-
2d.0	TOTAL PERIOD 2d COST	1,845	5,739	888	359		10,290	31,510	12,905	63,536	61,693.926	1,841.646	-
PERIOD 2f - License Termination													
Period 2f Direct Decommissioning Activities													
2f.1.1	ORISE confirmatory survey							195	82	276	276.497	-	-
2f.1.2	Terminate license												
2f.1	Subtotal Period 2f Activity Costs							195	82	276	276.497	-	-
Period 2f Additional Costs													
2f.2.1	License Termination Survey							15,740	6,620	22,360	22,360.316	-	-
2f.2	Subtotal Period 2f Additional Costs							15,740	6,620	22,360	22,360.316	-	-
Period 2f Collateral Costs													
2f.3.1	DOC staff relocation expenses							1,546	325	1,871	1,871.463	-	-
2f.3	Subtotal Period 2f Collateral Costs							1,546	325	1,871	1,871.463	-	-
Period 2f Period-Dependent Costs										-			
2f.4.1	Insurance							349	49	398	397.967	-	-
2f.4.2	Property taxes							136	19	155	155.405	-	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
2f.4.3	Health physics supplies	-	834	-	-	-	-	-	292	1,127	1,127	-
2f.4.4	Disposal of DAW generated	-	-	9	2	-	27	-	11	49	49	-
2f.4.5	Plant energy budget	-	-	-	-	-	-	174	37	211	211	-
2f.4.6	NRC Fees	-	-	-	-	-	-	312	44	356	356	-
2f.4.7	Emergency Planning Fees	-	-	-	-	-	-	269	38	307	-	307
2f.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	1,130	238	1,368	-	1,368
2f.4.9	ISFSI Operating Costs	-	-	-	-	-	-	34	7	41	-	41
2f.4.10	Security Staff Cost	-	-	-	-	-	-	1,694	356	2,050	2,050	-
2f.4.11	DOC Staff Cost	-	-	-	-	-	-	4,689	986	5,675	5,675	-
2f.4.12	Utility Staff Cost	-	-	-	-	-	-	5,150	1,083	6,233	6,233	-
2f.4	Subtotal Period 2f Period-Dependent Costs	-	834	9	2	-	27	13,897	3,154	17,924	16,208	1,716
2f.0	TOTAL PERIOD 2f COST	-	834	9	2	-	27	29,889	9,583	40,345	38,629	1,716
PERIOD 2 TOTALS		9,816	70,926	28,855	14,141	-	105,405	510,074	195,310	934,527	831,404	90,569
PERIOD 3b - Site Restoration												
Period 3b Direct Decommissioning Activities												
Demolition of Remaining Site Buildings												
3b.1.1.1	*Reactor	-	6,798	-	-	-	-	-	1,430	8,228	-	-
3b.1.1.2	Administration	-	1,067	-	-	-	-	-	224	1,291	-	-
3b.1.1.3	Auxiliary	-	6,587	-	-	-	-	-	1,385	7,972	-	-
3b.1.1.4	Capital Additions 85-2004	-	4,359	-	-	-	-	-	917	5,276	-	-
3b.1.1.5	Chemical Storage	-	4	-	-	-	-	-	1	5	-	-
3b.1.1.6	Chlorination	-	9	-	-	-	-	-	2	11	-	-
3b.1.1.7	Circulating Water Tunnels	-	1,153	-	-	-	-	-	243	1,396	-	-
3b.1.1.8	Cold Machine Shop	-	396	-	-	-	-	-	83	479	-	-
3b.1.1.9	Communication	-	4	-	-	-	-	-	1	5	-	-
3b.1.1.10	Condensate Polishing/Technical Support	-	870	-	-	-	-	-	183	1,053	-	-
3b.1.1.11	Containment Penetration Area	-	686	-	-	-	-	-	144	830	-	-
3b.1.1.12	Discharge Structure	-	937	-	-	-	-	-	197	1,134	-	-
3b.1.1.13	Fabrication Shop	-	120	-	-	-	-	-	25	145	-	-
3b.1.1.14	Fire Pump House	-	5	-	-	-	-	-	1	6	-	-
3b.1.1.15	Hazardous Waste Storage Facility	-	39	-	-	-	-	-	8	48	-	-
3b.1.1.16	Intake Structure	-	5,309	-	-	-	-	-	1,116	6,425	-	-
3b.1.1.17	Maintenance Shop	-	365	-	-	-	-	-	77	442	-	-
3b.1.1.18	Miscellaneous Structures	-	64	-	-	-	-	-	13	77	-	-
3b.1.1.19	NPO Permanent Warehouse	-	1,367	-	-	-	-	-	287	1,654	-	-
3b.1.1.20	Ponds	-	2	-	-	-	-	-	0	2	-	-
3b.1.1.21	Portable Fire Pump & Fuel Cart	-	1	-	-	-	-	-	0	2	-	-
3b.1.1.22	Pretreatment	-	10	-	-	-	-	-	2	12	-	-
3b.1.1.23	Radwaste Storage	-	1,777	-	-	-	-	-	374	2,150	-	-
3b.1.1.24	Radwaste Storage Facility (Additional)	-	49	-	-	-	-	-	10	60	-	-
3b.1.1.25	Rotor Warehouse	-	847	-	-	-	-	-	178	1,025	-	-
3b.1.1.26	Security	-	344	-	-	-	-	-	72	417	-	-
3b.1.1.27	Security Buildings (additional)	-	53	-	-	-	-	-	11	65	-	-
Demolition of Remaining Site Buildings (continued)												
3b.1.1.28	Simulator	-	413	-	-	-	-	-	87	500	-	-
3b.1.1.29	Steam Generator Storage Facility	-	909	-	-	-	-	-	191	1,100	-	-
3b.1.1.30	Telephone Terminal	-	3	-	-	-	-	-	1	3	-	-
3b.1.1.31	Turbine	-	5,538	-	-	-	-	-	1,165	6,703	-	-
3b.1.1.32	Turbine Pedestal	-	1,318	-	-	-	-	-	277	1,596	-	-
3b.1.1.33	Vehicle Maintenance	-	34	-	-	-	-	-	7	41	-	-
3b.1.1.34	Waste Water Holding & Treatment Facility	-	23	-	-	-	-	-	5	27	-	-
3b.1.1.35	Fuel Handling	-	1,858	-	-	-	-	-	391	2,248	-	-
3b.1.1	Totals	-	43,321	-	-	-	-	-	9,110	52,431	-	-
Site Closeout Activities												
3b.1.2	Grade & landscape site	-	2,758	-	-	-	-	-	580	3,338	-	-
3b.1.3	Final report to NRC	-	-	-	-	-	-	98	21	119	119	-
3b.1	Subtotal Period 3b Activity Costs	-	46,079	-	-	-	-	98	9,711	55,888	119	-
Period 3b Additional Costs												
3b.2.1	Backfill Structures & Remove Concrete Rubble	-	35,142	-	-	-	-	-	7,390	42,532	-	-
3b.2.2	Breakwater Demolition and Removal	-	41,893	-	-	-	-	-	14,684	56,577	-	-
3b.2.3	Cofferdam Construction and Teardown	-	478	-	-	-	-	-	101	579	-	-
3b.2.4	Concrete Crushing	-	9,113	-	-	-	-	5	1,917	11,035	-	-
3b.2.5	Disposal of Galbestos Siding	-	-	-	-	-	-	317	67	383	-	-
3b.2.6	Disposition of Mobile Barriers	-	1,318	-	-	-	-	-	277	1,595	-	-
3b.2.7	Soil / Sediment Control Plant Area	-	1,052	-	-	-	-	-	221	1,273	-	-
3b.2	Subtotal Period 3b Additional Costs	-	88,996	-	-	-	-	321	24,657	113,975	-	-
Period 3b Collateral Costs												
3b.3.1	Small tool allowance	-	1,107	-	-	-	-	-	233	1,340	-	-
3b.3	Subtotal Period 3b Collateral Costs	-	1,107	-	-	-	-	-	233	1,340	-	-
Period 3b Period-Dependent Costs												
3b.4.1	Insurance	-	-	-	-	-	-	525	74	598	-	598
3b.4.2	Property taxes	-	-	-	-	-	-	410	57	467	-	467
3b.4.3	Heavy equipment rental	-	7,347	-	-	-	-	-	1,545	8,892	-	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
2f.4.3	Health physics supplies		937						320	1,257	1,256.942	-	-
2f.4.4	Disposal of DAW generated			10	3		36		12	60	60.457	-	-
2f.4.5	Plant energy budget							190	40	231	230.516	-	-
2f.4.6	NRC Fees							341	48	389	389.302	-	-
2f.4.7	Emergency Planning Fees							294	41	336	-	335.710	-
2f.4.8	Spent Fuel Transfer - Pool or ISFSI to DOE							1,235	260	1,495	-	1,495.147	-
2f.4.9	ISFSI Operating Costs							37	8	45	-	44.582	-
2f.4.10	Security Staff Cost							1,852	389	2,241	2,241.228	-	-
2f.4.11	DOC Staff Cost							5,126	1,078	6,204	6,203.845	-	-
2f.4.12	Utility Staff Cost							5,630	1,184	6,814	6,813.606	-	-
2f.4	Subtotal Period 2f Period-Dependent Costs		937	10	3		36	15,191	3,448	19,625	17,749.268	1,875.440	-
2f.0	TOTAL PERIOD 2f COST		937	10	3		36	32,672	10,475	44,133	42,257.544	1,875.440	-
PERIOD 2 TOTALS		11,029	79,685	32,419	15,887		139,872	557,562	213,493	1,049,947	936,909.347	99,000.511	14,037.716
PERIOD 3b - Site Restoration													
Period 3b Direct Decommissioning Activities													
Demolition of Remaining Site Buildings													
3b.1.1.1	*Reactor		7,637						1,563	9,200	-	-	9,200.205
3b.1.1.2	Administration		1,198						245	1,444	-	-	1,443.699
3b.1.1.3	Auxiliary		7,400						1,514	8,914	-	-	8,914.087
3b.1.1.4	Capital Additions 85-2004		4,898						1,002	5,900	-	-	5,900.016
3b.1.1.5	Chemical Storage		5						1	6	-	-	6.032
3b.1.1.6	Chlorination		11						2	13	-	-	12.856
3b.1.1.7	Circulating Water Tunnels		1,296						265	1,561	-	-	1,561.040
3b.1.1.8	Cold Machine Shop		445						91	536	-	-	535.952
3b.1.1.9	Communication		5						1	6	-	-	5.772
3b.1.1.10	Condensate Polishing/Technical Support		978						200	1,178	-	-	1,177.551
3b.1.1.11	Containment Penetration Area		771						158	929	-	-	928.621
3b.1.1.12	Discharge Structure		1,053						215	1,269	-	-	1,268.530
3b.1.1.13	Fabrication Shop		135						28	162	-	-	162.465
3b.1.1.14	Fire Pump House		6						1	7	-	-	6.873
3b.1.1.15	Hazardous Waste Storage Facility		44						9	53	-	-	53.315
3b.1.1.16	Intake Structure		5,964						1,220	7,185	-	-	7,184.542
3b.1.1.17	Maintenance Shop		410						84	494	-	-	493.859
3b.1.1.18	Miscellaneous Structures		71						15	86	-	-	85.947
3b.1.1.19	NPO Permanent Warehouse		1,536						314	1,850	-	-	1,849.923
3b.1.1.20	Ponds		2						0	3	-	-	2.743
3b.1.1.21	Portable Fire Pump & Fuel Cart		1						0	2	-	-	1.747
3b.1.1.22	Pretreatment		11						2	13	-	-	13.318
3b.1.1.23	Radwaste Storage		1,996						408	2,405	-	-	2,404.559
3b.1.1.24	Radwaste Storage Facility (Additional)		55						11	67	-	-	66.568
3b.1.1.25	Rotor Warehouse		952						195	1,147	-	-	1,146.692
3b.1.1.26	Security		387						79	466	-	-	465.952
3b.1.1.27	Security Buildings (additional)		60						12	72	-	-	72.282
Demolition of Remaining Site Buildings (continued)										-			
3b.1.1.28	Simulator		464						95	559	-	-	559.297
3b.1.1.29	Steam Generator Storage Facility		1,022						209	1,231	-	-	1,230.566
3b.1.1.30	Telephone Terminal		3						1	4	-	-	3.623
3b.1.1.31	Turbine		6,222						1,273	7,496	-	-	7,495.643
3b.1.1.32	Turbine Pedestal		1,481						303	1,784	-	-	1,784.368
3b.1.1.33	Vehicle Maintenance		38						8	46	-	-	46.197
3b.1.1.34	Waste Water Holding & Treatment Facility		25						5	31	-	-	30.630
3b.1.1.35	Fuel Handling		2,087						427	2,514	-	-	2,514.130
3b.1.1	Totals		48,671						9,959	58,630	-	-	58,629.600
Site Closeout Activities													
3b.1.2	Grade & landscape site		3,098						634	3,732	-	-	3,732.294
3b.1.3	Final report to NRC							107	23	130	129.849	-	-
3b.1	Subtotal Period 3b Activity Costs		51,769					107	10,615	62,492	129.849	-	62,361.895
Period 3b Additional Costs													
3b.2.1	Backfill Structures & Remove Concrete Rubble		39,482						8,078	47,560	-	-	47,560.443
3b.2.2	Breakwater Demolition and Removal		47,067						16,051	63,117	-	-	63,117.319
3b.2.3	Cofferdam Construction and Teardown		537						110	647	-	-	647.317
3b.2.4	Concrete Crushing		10,238					5	2,096	12,340	-	-	12,339.746
3b.2.5	Disposal of Galbestos Siding							346	73	419	-	-	418.806
3b.2.6	Disposition of Mobile Barriers		1,481						303	1,784	-	-	1,783.753
3b.2.7	Soil / Sediment Control Plant Area		1,182						242	1,424	-	-	1,423.755
3b.2	Subtotal Period 3b Additional Costs		99,987					351	26,952	127,291	-	-	127,291.139
Period 3b Collateral Costs													
3b.3.1	Small tool allowance		1,244						254	1,498	-	-	1,498.055
3b.3	Subtotal Period 3b Collateral Costs		1,244						254	1,498	-	-	1,498.055
Period 3b Period-Dependent Costs													
3b.4.1	Insurance							574	80	654	-	654.119	-
3b.4.2	Property taxes							448	63	511	-	510.858	-
3b.4.3	Heavy equipment rental		8,255						1,689	9,944	-	-	9,943.649

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
3b.4.4	Plant energy budget	-	-	-	-	-	-	286	60	347	-	-
3b.4.5	NRC ISFSI Fees	-	-	-	-	-	-	348	49	397	-	397
3b.4.6	Emergency Planning Fees	-	-	-	-	-	-	885	124	1,010	-	1,010
3b.4.7	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	3,711	780	4,491	-	4,491
3b.4.8	ISFSI Operating Costs	-	-	-	-	-	-	111	23	134	-	134
3b.4.9	Security Staff Cost	-	-	-	-	-	-	5,569	1,171	6,740	-	5,459
3b.4.10	DOC Staff Cost	-	-	-	-	-	-	14,111	2,967	17,078	-	-
3b.4.11	Utility Staff Cost	-	-	-	-	-	-	7,357	1,547	8,904	-	1,781
3b.4	Subtotal Period 3b Period-Dependent Costs	-	7,347	-	-	-	-	33,312	8,399	49,058	-	14,338
3b.0	TOTAL PERIOD 3b COST	-	143,529	-	-	-	-	33,732	42,999	220,261	119	14,338
PERIOD 3c - Fuel Storage Operations/Shipping												
Period 3c Direct Decommissioning Activities												
Period 3c Period-Dependent Costs												
3c.4.1	Insurance	-	-	-	-	-	-	3,099	434	3,534	-	3,534
3c.4.2	Property taxes	-	-	-	-	-	-	2,420	339	2,760	-	2,760
3c.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-
3c.4.4	NRC ISFSI Fees	-	-	-	-	-	-	2,054	288	2,342	-	2,342
3c.4.5	Emergency Planning Fees	-	-	-	-	-	-	5,228	733	5,961	-	5,961
3c.4.6	Spent Fuel Transfer - Pool or ISFSI to DOE	-	-	-	-	-	-	21,995	4,625	26,620	-	26,620
3c.4.7	ISFSI Operating Costs	-	-	-	-	-	-	654	138	792	-	792
3c.4.8	Security Staff Cost	-	-	-	-	-	-	26,771	5,630	32,401	-	32,401
3c.4.9	Utility Staff Cost	-	-	-	-	-	-	8,802	1,851	10,654	-	10,654
3c.4	Subtotal Period 3c Period-Dependent Costs	-	-	-	-	-	-	71,024	14,039	85,063	-	85,063
3c.0	TOTAL PERIOD 3c COST	-	-	-	-	-	-	71,024	14,039	85,063	-	85,063
PERIOD 3d - GTCC shipping												
Period 3d Direct Decommissioning Activities												
Nuclear Steam Supply System Removal												
3d.1.1.1	Vessel & Internals GTCC Disposal	-	-	2,500	-	-	9,179	-	2,281	13,960	13,960	-
3d.1.1	Totals	-	-	2,500	-	-	9,179	-	2,281	13,960	13,960	-
3d.1	Subtotal Period 3d Activity Costs	-	-	2,500	-	-	9,179	-	2,281	13,960	13,960	-
Period 3d Collateral Costs												
3d.3	Subtotal Period 3d Collateral Costs	-	-	-	-	-	-	-	-	-	-	-
Period 3d Period-Dependent Costs												
3d.4.1	Insurance	-	-	-	-	-	-	10	1	11	-	11
3d.4.2	Property taxes	-	-	-	-	-	-	8	1	9	-	9
3d.4.3	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-
3d.4.4	NRC ISFSI Fees	-	-	-	-	-	-	6	1	7	-	7
3d.4.5	ISFSI Operating Costs	-	-	-	-	-	-	2	0	3	-	3
3d.4.6	Security Staff Cost	-	-	-	-	-	-	85	18	103	-	103
3d.4.7	Utility Staff Cost	-	-	-	-	-	-	28	6	34	-	34
3d.4	Subtotal Period 3d Period-Dependent Costs	-	-	-	-	-	-	139	28	167	-	167
3d.0	TOTAL PERIOD 3d COST	-	-	2,500	-	-	9,179	139	2,308	14,127	13,960	167
PERIOD 3e - ISFSI Decontamination												
Period 3e Direct Decommissioning Activities												
Period 3e Additional Costs												
3e.2.1	ISFSI License Termination	-	40	6	14	-	393	622	286	1,362	-	1,362
3e.2	Subtotal Period 3e Additional Costs	-	40	6	14	-	393	622	286	1,362	-	1,362
Period 3e Collateral Costs												
3e.3.1	Small tool allowance	-	1	-	-	-	-	-	0	1	-	1
3e.3	Subtotal Period 3e Collateral Costs	-	1	-	-	-	-	-	0	1	-	1
Period 3e Period-Dependent Costs												
3e.4.1	Insurance	-	-	-	-	-	-	-	-	-	-	-
3e.4.2	Property taxes	-	-	-	-	-	-	55	8	63	-	63
3e.4.3	Heavy equipment rental	-	136	-	-	-	-	-	29	165	-	165
3e.4.4	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-
3e.4.5	NRC ISFSI Fees	-	-	-	-	-	-	94	13	107	-	107
3e.4.6	Security Staff Cost	-	-	-	-	-	-	61	13	74	-	74
3e.4.7	Utility Staff Cost	-	-	-	-	-	-	163	34	198	-	198
3e.4	Subtotal Period 3e Period-Dependent Costs	-	136	-	-	-	-	373	97	606	-	606
3e.0	TOTAL PERIOD 3e COST	-	177	6	14	-	393	995	383	1,968	-	1,968
PERIOD 3f - ISFSI Site Restoration												
Period 3f Direct Decommissioning Activities												
Period 3f Additional Costs												

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
3b.4.4	Plant energy budget							313	66	379	-	-	378.884
3b.4.5	NRC ISFSI Fees							380	53	434	-	433.612	-
3b.4.6	Emergency Planning Fees							968	136	1,104	-	1,103.572	-
3b.4.7	Spent Fuel Transfer - Pool or ISFSI to DOE							4,056	853	4,910	-	4,909.517	-
3b.4.8	ISFSI Operating Costs							121	25	147	-	146.555	-
3b.4.9	Security Staff Cost							6,087	1,280	7,368	-	5,967.697	1,399.830
3b.4.10	DOC Staff Cost							15,424	3,244	18,668	-	-	18,667.946
3b.4.11	Utility Staff Cost							8,042	1,691	9,733	-	1,946.565	7,786.263
3b.4	Subtotal Period 3b Period-Dependent Costs		8,255					36,414	9,181	53,849	-	15,672.494	38,176.573
3b.0	TOTAL PERIOD 3b COST		161,255					36,872	47,003	245,130	129.849	15,672.494	229,327.662
PERIOD 3c - Fuel Storage Operations/Shipping													
Period 3c Direct Decommissioning Activities													
Period 3c Period-Dependent Costs													
3c.4.1	Insurance							3,388	475	3,862	-	3,862.483	-
3c.4.2	Property taxes							2,646	371	3,017	-	3,016.550	-
3c.4.3	Plant energy budget												
3c.4.4	NRC ISFSI Fees							2,246	315	2,560	-	2,560.418	-
3c.4.5	Emergency Planning Fees							5,715	801	6,516	-	6,516.444	-
3c.4.6	Spent Fuel Transfer - Pool or ISFSI to DOE							24,042	5,056	29,098	-	29,098.312	-
3c.4.7	ISFSI Operating Costs							715	150	865	-	865.385	-
3c.4.8	Security Staff Cost							29,264	6,154	35,418	-	35,417.653	-
3c.4.9	Utility Staff Cost							9,622	2,023	11,645	-	11,645.340	-
3c.4	Subtotal Period 3c Period-Dependent Costs							77,637	15,346	92,983	-	92,982.585	-
3c.0	TOTAL PERIOD 3c COST							77,637	15,346	92,983	-	92,982.585	-
PERIOD 3d - GTCC shipping													
Period 3d Direct Decommissioning Activities													
Nuclear Steam Supply System Removal													
3d.1.1.1	Vessel & Internals GTCC Disposal			2,809			12,181		2,493	17,483	17,482.561	-	-
3d.1.1	Totals			2,809			12,181		2,493	17,483	17,482.561	-	-
3d.1	Subtotal Period 3d Activity Costs			2,809			12,181		2,493	17,483	17,482.561	-	-
Period 3d Collateral Costs													
3d.3	Subtotal Period 3d Collateral Costs												
Period 3d Period-Dependent Costs													
3d.4.1	Insurance							11	2	12	-	12.301	-
3d.4.2	Property taxes							8	1	10	-	9.607	-
3d.4.3	Plant energy budget												
3d.4.4	NRC ISFSI Fees							7	1	8	-	7.837	-
3d.4.5	ISFSI Operating Costs							2	0	3	-	2.756	-
3d.4.6	Security Staff Cost							93	20	113	-	112.795	-
3d.4.7	Utility Staff Cost							31	6	37	-	37.087	-
3d.4	Subtotal Period 3d Period-Dependent Costs							152	30	182	-	182.383	-
3d.0	TOTAL PERIOD 3d COST			2,809			12,181	152	2,523	17,665	17,482.561	182.383	-
PERIOD 3e - ISFSI Decontamination													
Period 3e Direct Decommissioning Activities													
Period 3e Additional Costs													
3e.2.1	ISFSI License Termination	45	7	16			521	680	313	1,582	-	1,582.228	-
3e.2	Subtotal Period 3e Additional Costs	45	7	16			521	680	313	1,582	-	1,582.228	-
Period 3e Collateral Costs													
3e.3.1	Small tool allowance	1							0	1	-	0.791	-
3e.3	Subtotal Period 3e Collateral Costs	1							0	1	-	0.791	-
Period 3e Period-Dependent Costs													
3e.4.1	Insurance												
3e.4.2	Property taxes							60	8	68	-	68.378	-
3e.4.3	Heavy equipment rental	153							31	184	-	183.992	-
3e.4.4	Plant energy budget												
3e.4.5	NRC ISFSI Fees							103	14	117	-	117.174	-
3e.4.6	Security Staff Cost							67	14	81	-	80.655	-
3e.4.7	Utility Staff Cost							178	38	216	-	215.949	-
3e.4	Subtotal Period 3e Period-Dependent Costs	153						408	106	666	-	666.148	-
3e.0	TOTAL PERIOD 3e COST	199	7	16			521	1,087	419	2,249	-	2,249.167	-

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2011 Dollars)

Activity Index	Activity Description	Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs
3f.2.1	ISFSI Demolition and Site Restoration	-	1,371	-	-	-	-	27	294	1,692	-	1,692
3f.2.2	ISFSI Area Soil / Sediment Control	-	16	-	-	-	-	-	3	20	-	20
3f.2	Subtotal Period 3f Additional Costs	-	1,387	-	-	-	-	27	297	1,712	-	1,712
Period 3f Collateral Costs												
3f.3.1	Small tool allowance	-	20	-	-	-	-	-	4	24	-	24
3f.3	Subtotal Period 3f Collateral Costs	-	20	-	-	-	-	-	4	24	-	24
Period 3f Period-Dependent Costs												
3f.4.1	Insurance	-	-	-	-	-	-	-	-	-	-	-
3f.4.2	Property taxes	-	-	-	-	-	-	28	4	32	-	32
3f.4.3	Heavy equipment rental	-	54	-	-	-	-	-	11	65	-	65
3f.4.4	Plant energy budget	-	-	-	-	-	-	-	-	-	-	-
3f.4.5	Security Staff Cost	-	-	-	-	-	-	11	2	14	-	14
3f.4.6	Utility Staff Cost	-	-	-	-	-	-	69	14	83	-	83
3f.4	Subtotal Period 3f Period-Dependent Costs	-	54	-	-	-	-	108	32	193	-	193
3f.0	TOTAL PERIOD 3f COST	-	1,461	-	-	-	-	134	333	1,928	-	1,928
PERIOD 3 TOTALS		-	145,167	2,506	14	-	9,572	106,024	60,063	323,347	14,079	103,464
TOTAL COST TO DECOMMISSION		13,073	218,618	31,702	14,580	-	124,490	768,430	292,711	1,463,605	1,036,573	207,854

TOTAL COST TO DECOMMISSION WITH 25% CONTINGENCY:	$1,463,605	thousands of 2011 dollars
TOTAL NRC LICENSE TERMINATION COST IS 70.82% OR:	$1,036,573	thousands of 2011 dollars
SPENT FUEL MANAGEMENT COST IS 14.2% OR:	$207,854	thousands of 2011 dollars
NON-NUCLEAR DEMOLITION COST IS 14.98% OR:	$219,178	thousands of 2011 dollars
TOTAL SCRAP METAL REMOVED:	77,728	Tons
TOTAL CRAFT LABOR REQUIREMENTS:	1,686,102	Man-hours

End Notes:
n/a - indicates that this activity not charged as decommissioning expense.
a - indicates that this activity performed by decommissioning staff.
0 - indicates that this value is less than 0.5 but is non-zero.
a cell containing " - " indicates a zero value

Table C-2
Diablo Canyon Unit 2
DECON Decommissioning Cost Estimate
(Thousands of 2015 Dollars)

Decon Cost	Removal Cost	Packaging Costs	Transport Costs	Off-Site Processing Costs	LLRW Disposal Costs	Other Costs	Total Contingency	Total Costs	NRC Lic. Term. Costs	Spent Fuel Management Costs	Site Restoration Costs
	1,540					29	321	1,891	-	1,890.793	-
	19						4	22	-	22.294	-
	1,559					29	325	1,913	-	1,913.087	-
								-			
								-			
	22						4	26	-	26.491	-
	22						4	26	-	26.491	-
						30	4	34	-	34.472	-
	60						12	72	-	72.487	-
						12	3	15	-	14.785	-
						75	16	91	-	90.951	-
	60					118	35	213	-	212.695	-
	1,641					147	365	2,152	-	2,152.273	-
	163,095	2,816	16		12,702	115,895	65,655	360,179	17,612.410	113,238.902	229,327.662
			-								
14,688	245,617	35,617	16,380		165,199	839,971	319,963	1,637,436	1,165,823.467	227,347.300	244,264.727
	-							-			

Decommissioning Cash Flow
2015 Dollars
Diablo Canyon Power Plant Unit 1
(1 page)

Decommissioning Cash Flow
2015 Dollars
Diablo Canyon Power Plant Unit 2
(1 page)

Diablo Canyon Power Plant - Unit 1

Decommissioning Cash Flow (Note 1)

Estimated in 2015 Dollars

Year	NRC Scope (Radiological)	Non-NRC Scope (Non-Radiological)	Spent Fuel Management	Total	Cummulative Decommissioning Estimate	Trust Account Funding
2024	$27,854,017	$136,124	$1,865,698	$29,855,839	$29,855,839	
2025	$164,259,640	$1,314,337	$18,951,134	$184,525,111	$214,380,950	
2026	$186,734,990	$3,563,416	$25,695,149	$215,993,555	$430,374,505	
2027	$187,935,099	$4,036,010	$27,282,026	$219,253,135	$649,627,640	
2028	$118,024,616	$4,998,489	$14,136,154	$137,159,259	$786,786,899	
2029	$117,648,431	$4,998,491	$14,136,158	$136,783,080	$923,569,979	
2030	$56,713,736	$1,335,476	$8,958,805	$67,008,017	$990,577,996	
2031	$23,952,497		$7,591,515	$31,544,012	$1,022,122,008	
2032	$24,039,473		$7,591,515	$31,630,988	$1,053,752,996	
2033	$23,952,497		$7,591,515	$31,544,012	$1,085,297,009	
2034	$23,952,497		$7,591,515	$31,544,012	$1,116,841,021	
2035	$23,952,497		$7,591,515	$31,544,012	$1,148,385,033	$1,138,692,019 Market Value
2036	$24,039,473		$7,591,515	$31,630,988	$1,180,016,021	
2037	$56,849,188		$5,779,975	$62,629,163	$1,242,645,184	
2038	$47,520,245	$3,400,545	$2,879,812	$53,800,602	$1,296,445,786	
2039	$1,392,963	$24,749,777	$6,070,050	$32,212,790	$1,328,658,576	
2040	$1,475,130	$24,756,911	$6,070,050	$32,302,091	$1,360,960,666	
2041	$650,765	$8,340,686	$6,086,854	$15,078,305	$1,376,038,971	
2042	$273,514		$6,095,500	$6,369,014	$1,382,407,985	
2043	$273,514		$6,095,500	$6,369,014	$1,388,776,999	
2044	$290,992		$6,095,502	$6,386,494	$1,395,163,493	
2045	$273,514		$6,095,500	$6,369,014	$1,401,532,507	
2046	$273,514		$6,095,500	$6,369,014	$1,407,901,521	
2047	$273,514		$6,095,500	$6,369,014	$1,414,270,535	
2048	$290,992		$6,095,502	$6,386,494	$1,420,657,029	
2049	$273,514		$6,095,500	$6,369,014	$1,427,026,043	
2050	$273,514		$6,095,500	$6,369,014	$1,433,395,057	
2051	$273,514		$6,095,500	$6,369,014	$1,439,764,071	
2052	$290,992		$6,095,502	$6,386,494	$1,446,150,565	
2053	$273,514		$6,095,500	$6,369,014	$1,452,519,579	
2054	$273,514		$6,095,500	$6,369,014	$1,458,888,593	
2055	$15,210,564		$5,992,778	$21,203,342	$1,480,091,935	
2056	$225,976		$4,134,185	$4,360,161	$1,484,452,096	
TOTAL	$1,129,992,410	$81,630,262	$272,829,424	$1,484,452,096		

NOTES:

1) Cash Flow is based on construction of Independent Spent Fuel Storage Installation (ISFSI) and assumes Department of Energy (DOE) Used Fuel Repository opens in 2024.
2) Trust Account Value of $1,138.7 million Market Value as of 12/31/14.

Diablo Canyon Power Plant - Unit 2

Decommissioning Cash Flow (Note 1)
Estimated in 2015 Dollars

Year	NRC Scope Radiological)	Non-NRC Scope (Non-Radiological)	Spent Fuel Management	Total	Cummulative Decommissioning Estimate	Trust Account Funding
2025	$51,372,491	$125,110	$3,437,844	$54,935,445	$54,935,445	
2026	$141,209,888	$583,475	$10,115,047	$151,908,410	$206,843,855	
2027	$185,736,125	$2,434,868	$7,206,631	$195,377,624	$402,221,479	
2028	$181,522,866	$2,917,279	$7,867,598	$192,307,743	$594,529,222	
2029	$138,392,214	$3,675,789	$10,317,276	$152,385,279	$746,914,501	
2030	$138,392,214	$3,675,789	$10,317,276	$152,385,279	$899,299,780	
2031	$46,755,333	$563,957	$9,145,398	$56,464,688	$955,764,468	
2032	$30,908,427		$8,646,587	$39,555,014	$995,319,482	
2033	$30,800,289		$8,646,587	$39,446,876	$1,034,766,358	
2034	$30,800,289		$8,646,587	$39,446,876	$1,074,213,233	
2035	$30,800,289		$8,646,587	$39,446,876	$1,113,660,109	
2036	$30,908,427		$8,646,587	$39,555,014	$1,153,215,123	
2037	$67,067,498		$7,030,847	$74,098,345	$1,227,313,468	
2038	$52,198,681	$14,034,699	$6,337,739	$72,571,119	$1,299,884,588	
2039	-$2,537,623	$92,417,094	$6,337,691	$96,217,162	$1,396,101,750	
2040	-$2,570,813	$92,714,297	$6,337,691	$96,481,175	$1,492,582,925	$1,486,796,826 Market Value
2041	-$839,649	$31,122,370	$6,355,234	$36,637,955	$1,529,220,880	
2042	-$8,356		$6,364,259	$6,355,903	$1,535,576,783	
2043	-$8,356		$6,364,259	$6,355,903	$1,541,932,687	
2044	$9,125		$6,364,259	$6,373,384	$1,548,306,071	
2045	-$8,356		$6,364,259	$6,355,903	$1,554,661,974	
2046	-$8,356		$6,364,259	$6,355,903	$1,561,017,877	
2047	-$8,356		$6,364,259	$6,355,903	$1,567,373,781	
2048	$9,125		$6,364,259	$6,373,384	$1,573,747,165	
2049	-$8,356		$6,364,259	$6,355,903	$1,580,103,068	
2050	-$8,356		$6,364,259	$6,355,903	$1,586,458,972	
2051	-$8,356		$6,364,259	$6,355,903	$1,592,814,875	
2052	$9,125		$6,364,259	$6,373,384	$1,599,188,259	
2053	-$8,356		$6,364,259	$6,355,903	$1,605,544,163	
2054	-$8,356		$6,364,259	$6,355,903	$1,611,900,066	
2055	$14,905,440		$6,257,008	$21,162,448	$1,633,062,514	
2056	$34,444		$4,315,718	$4,350,162	$1,637,412,676	
TOTAL	$1,165,800,649	$244,264,727	$227,347,300	$1,637,412,676		

NOTES:

1) Cash Flow is based on construction of ISFSI and assumes DOE Used Fuel Repository opens in 2024.
2) Trust Account Value of $1,486.8 million Market Value as of 12/31/14.