

Application of San Diego Gas & Electric  
Company (U 902-E) for Inclusion of the Steam  
Generator Replacement Project Cost Permanently  
in Rates.

Application 13-03-014  
Exhibit No.: SDG&E - 4

**WORKPAPERS SUPPORTING THE  
PREPARED DIRECT TESTIMONY  
MICHAEL L. DE MARCO  
ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY**

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

**MARCH 18, 2013**





**San Onofre Nuclear Generating Station ("SONGS") - A.13-03-014****Purpose:** Index of Workbook Sheets**Workpapers Supporting the Testimony of Mike De Marco**

Worksheet Name	Worksheet Purpose	Proceeding
Index	Index of Workbook Sheets	N/A
<a href="#">SDG&amp;E Cost Testimony</a>	Summary Total Utilized in SDG&E Testimony Regarding SDG&E's Unique Costs for SONGS	A.13-03-013 2012 SONGS Costs
<a href="#">SCE Billed O&amp;M and Capital</a>	O&M and Capital Costs Billed by SCE	A.13-03-013 2012 SONGS Costs
<a href="#">SDG&amp;E Recap</a>	Summary Support for SDG&E Quarterly OII Report, Excluding ERRA and Section IV and V Costs	A.13-03-013 2012 SONGS Costs
<a href="#">Unit 1 Spent Fuel Storage</a>	Unit 1 Spent Fuel Storage from GE-Hitachi	A.13-03-013 2012 SONGS Costs
<a href="#">Site Easement</a>	Site Easement Payment Support	A.13-03-013 2012 SONGS Costs
<a href="#">SGRP Costs</a>	Backup Support for SDG&E's SGRP Testimony Appendix A	A.13-03-014 SGRP Costs
<a href="#">Depreciation</a>	SDG&E Property, Plant, & Equipment ("PP&E") End-of-Month Balance Details for SONGS (Including SGRP) with Cost of Removal ("COR") Detail and Monthly Depreciation Expense	A.13-03-013 2012 SONGS Costs A.13-03-014 SGRP Costs
<a href="#">Taxes</a>	SDG&E Property Tax & Income Tax Allocated to SONGS	A.13-03-013 2012 SONGS Costs A.13-03-014 SGRP Costs
<a href="#">Return on Ratebase</a>	Calculated Value	A.13-03-013 2012 SONGS Costs
<a href="#">Insurance</a>	SDG&E Cost Detail for SONGS Premiums Paid in 2012	A.13-03-013 2012 SONGS Costs

**San Onofre Nuclear Generating Station ("SONGS")- A.13-03-014**

**Purpose:** Testimony Table - SDG&E's Unique SONGS Costs

SCE 2012 OII SDG&E's SONGS RELATED COSTS IDENTIFIED IN SDG&E'S 2012 GRC ( <i>YOE Thousands</i> )		
No.	Item	Amount
1	SONGS Unit 1 Spent Fuel Storage	<u>\$994</u>
2	SONGS Site Easement	<u>\$20</u>
3	SONGS Insurance	<u>\$2,364</u>
4	SONGS Operations and Billing Oversight	<u>\$642</u>
5	SONGS Depreciation <sup>(1)</sup>	<u>\$23,273</u>
6	SONGS Taxes <sup>(1)*</sup>	<u>\$13,270</u>
7	SONGS Return on Rate Base <sup>(1)*</sup>	<u>\$19,929</u>
8	Total	<b>\$60,492</b>

<sup>(1)</sup> Depreciation, Taxes and Return Authorized for 2012 Pending SDG&E's 2012 Decision in A.10-12-006 as per AL 2302 Filed on November 10, 2011

\* Estimate only, subject to update

**SDG&E's Share of 2012 Costs**  
**SONGS O&M and Capital**  
**Addressed in SCE's GRC D. 12-11-051 & 2012 SONGS OII**  
**SDG&E's 2012 SONGS Operations & Maintenance (O&M) Costs, Including Refueling** <sup>[1]</sup>

(thousands of dollars)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
1 O&M Expense - SONGS Labor	4,761.3	9,527.2	4,717.5	3,904.7	4,334.8	3,970.6	3,477.5	4,575.4	3,280.7	4,095.2	3,766.6	4,402.0	54,813.5
2 O&M Expense - SONGS Non-Labor	5,013.1	6,996.2	5,846.7	6,313.7	3,434.1	3,042.7	4,788.1	6,894.8	5,228.0	3,642.5	2,233.1	3,857.9	57,290.9
3 O&M Expense - SONGS Contractual Overheads	3,066.1	3,603.1	3,104.5	2,890.3	3,152.2	2,826.8	2,525.8	3,412.2	2,463.3	3,013.3	2,550.2	2,559.9	35,167.7
4 O&M Expense - SONGS Invoice Lag Adjustment <sup>[2]</sup>	(550.5)	(9,775.1)	(3,330.6)	5,356.7	395.2	3,016.6	1,346.2	(5,022.8)	(1,270.3)	3,995.8	1,966.6	(388.1)	(4,260.3)
5 O&M Expense - SONGS Invoice Total	12,290.0	10,351.4	10,338.1	18,465.4	11,316.3	12,856.7	12,137.6	9,859.6	9,701.7	14,746.8	10,516.5	10,431.7	<u>143,011.8</u>
6 O&M Expense - SONGS Additional Invoicing <sup>[3],[4]</sup>	-	-	11.7	-	-	-	-	-	-	27.0	-	61.0	99.7
7 O&M Expense - SDG&E Corrections to SCE Data	-	-	-	-	-	-	7.6	(0.9)	-	-	-	-	6.7
7 O&M Expense - Total Payments to SCE	12,290.0	10,351.4	10,349.8	18,465.4	11,316.3	12,856.7	12,145.2	9,858.7	9,701.7	14,773.8	10,516.5	10,492.7	<u>143,118.2</u>
8 O&M Expense - Excluded from SONGSBA	-	-	(11.7)	-	-	-	(7.6)	0.9	-	(27.0)	-	(61.0)	(106.4)
9 O&M Expense - Posted to SONGSBA	12,290.0	10,351.4	10,338.1	18,465.4	11,316.3	12,856.7	12,137.6	9,859.6	9,701.7	14,746.8	10,516.5	10,431.7	<u>143,011.8</u>

**2012 Capital Costs, Excluding the Steam Generator Replacement Project** <sup>[6],[9]</sup>

(thousands of dollars)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
10 Capital Expenditures - SONGS Labor	481.0	582.6	506.3	360.7	436.7	406.4	391.6	436.5	286.0	499.8	459.2	414.6	5,261.4
11 Capital Expenditures - SONGS Non-Labor	2,513.8	9,342.5	1,628.7	1,197.0	1,443.2	3,173.6	2,627.7	1,272.7	1,519.5	1,981.5	1,378.4	1,552.4	29,631.0
12 Capital Expenditures - SONGS Contractual Overheads	327.0	466.6	332.8	237.4	286.9	283.9	269.4	284.0	190.9	331.2	300.3	273.7	3,584.1
13 Capital Expenditures - SONGS Invoice Lag Adjustment <sup>[2]</sup>	2,588.4	614.3	(2,244.1)	5,473.3	279.4	(2,526.0)	(1,983.5)	1,670.6	2,492.3	1,780.8	(3,341.5)	(4,028.1)	775.9
14 Capital Expenditures - SONGS Invoice Total	5,910.2	11,006.0	223.7	7,268.4	2,446.2	1,337.9	1,305.2	3,663.8	4,488.7	4,593.3	(1,203.6)	(1,787.4)	<u>39,252.4</u>
15 Capital Expenditures - SDG&E Corrections to SCE Data	-	-	-	-	-	-	(7.6)	1.0	-	5.0	-	-	(1.6)
14 Capital Expenditures - Total Payments to SCE <sup>[5]</sup>	5,910.2	11,006.0	223.7	7,268.4	2,446.2	1,337.9	1,297.6	3,664.8	4,488.7	4,598.3	(1,203.6)	(1,787.4)	39,250.8
15 Capital Expenditures - SDG&E Operational Oversight	1.7	2.4	2.5	1.7	2.9	1.9	2.5	2.5	1.8	2.4	1.5	2.6	26.4
16 Capital Expenditures - SDG&E Overheads	152.0	282.2	8.3	209.2	72.9	40.2	48.5	131.0	159.3	188.3	(51.6)	(79.8)	1160.5
17 Capital Expenditures - SDG&E AFUDC	634.2	682.0	619.5	680.0	500.6	734.9	837.9	826.7	844.1	880.8	824.6	757.4	8822.7
18 Capital Expenditures - Total <sup>[6]</sup>	6,698.1	11,972.6	854.0	8,159.3	3,022.6	2,114.9	2,186.5	4,625.0	5,493.9	5,669.8	(429.1)	(1,107.2)	<u>49,260.4</u>

[1] SONGS O&M costs are billed by FERC account by SCE. Included in the FERC account billing are refueling costs. SDG&E rely's upon SCE's budget reporting to break out refueling costs for analysis and review

[2] SCE advance bills SDG&E for the month and trues-up previous advance bills. The "Lag Adjustment" converts SONGS data for the billing process to match actual SDG&E postings

[3] Includes \$11.7K for independent consultant for SONGS A&G Study, \$16.6K for Legal costs associated with the SONGS DOE Litigation for Units 2/3, and \$230.8K additional Master Insurance Program billing post audit settlement. These costs were inadvertently excluded from SONGSBA.

[4] Excludes \$2,122.4K SDG&E posting error in June 2012 that did not impact SONGSBA and was subsequently corrected in July 2012.

[5] Capital total excludes \$22.5K of SDG&E non-SONGS costs inadvertently charged to SONGS projects and subsequently corrected in 2013. These costs are included in CWIP for 2012.

[6] Excludes refunds / adjustments associated with prior periods (ex. Joint Minority Owner Audit Findings and DOE Litigation Refund)

INTERNAL NOTE: All costs exclude refunds/adjustments associated with prior periods (ex. Joint Minority Owner Audit Findings and DOE Litigation Refund)

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**SONGS 2&3 Outage Memorandum Account [01]**  
**Data in (\$000)**

		Pre-2012	Jan	Feb	Mar	Apr	May	Jun	2012		Aug	Sep	Oct	Nov	Dec	YTD
									Jul							
<b>1</b>	<b>I. Base Capital Cost Subaccount [17],[23]</b>															
2	Capital Expenditures - SONGS Labor	[02]	\$ 481.0	\$ 582.6	\$ 506.3	\$ 360.7	\$ 436.7	\$ 406.4	\$ 391.6	\$ 436.5	\$ 286.0	\$ 499.8	\$ 459.2	\$ 414.6	\$ 5,261.4	
3	Capital Expenditures - SONGS Non-Labor	[02]	\$ 2,513.8	\$ 9,342.5	\$ 1,628.7	\$ 1,197.0	\$ 1,443.2	\$ 3,173.6	\$ 2,627.7	\$ 1,272.7	\$ 1,519.5	\$ 1,981.5	\$ 1,378.4	\$ 1,552.4	\$ 29,631.0	
4	Capital Expenditures - SONGS Contractual Overheads	[02]	\$ 327.0	\$ 466.6	\$ 332.8	\$ 237.4	\$ 286.9	\$ 283.9	\$ 269.4	\$ 284.0	\$ 190.9	\$ 331.2	\$ 300.3	\$ 273.7	\$ 3,584.1	
5	Capital Expenditures - SONGS Invoice Lag Adjustment [15]	[02]	\$ 2,588.4	\$ 614.3	\$ (2,244.1)	\$ 5,473.3	\$ 279.4	\$ (2,526.0)	\$ (1,983.5)	\$ 1,670.6	\$ 2,492.3	\$ 1,780.8	\$ (3,341.5)	\$ (4,028.1)	\$ 775.9	
6	Capital Expenditures - SONGS Invoice Total	[02]	\$ 5,910.2	\$ 11,006.0	\$ 223.7	\$ 7,268.4	\$ 2,446.2	\$ 1,337.9	\$ 1,305.2	\$ 3,663.8	\$ 4,488.7	\$ 4,593.3	\$ (1,203.6)	\$ (1,787.4)	\$ 39,252.4	
7	Capital Expenditures - SDG&E Corrections to SCE Data [16]	[02]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7.6)	\$ 1.0	\$ -	\$ 5.0	\$ -	\$ -	\$ (1.6)	
8	Capital Expenditures - SDG&E Operational Oversight [29]	[02]	\$ 1.7	\$ 2.4	\$ 2.5	\$ 1.7	\$ 2.9	\$ 1.9	\$ 2.5	\$ 2.5	\$ 1.8	\$ 2.4	\$ 1.5	\$ 2.6	\$ 26.4	
9	Capital Expenditures - SDG&E Overheads	[02]	\$ 152.0	\$ 282.2	\$ 8.3	\$ 209.2	\$ 72.9	\$ 40.2	\$ 48.5	\$ 131.0	\$ 159.3	\$ 188.3	\$ (51.6)	\$ (79.8)	\$ 1,160.5	
10	Capital Expenditures - SDG&E AFUDC	[02]	\$ 634.2	\$ 682.0	\$ 619.5	\$ 680.0	\$ 500.6	\$ 734.9	\$ 837.9	\$ 826.7	\$ 844.1	\$ 880.8	\$ 824.6	\$ 757.4	\$ 8,822.7	
11	Capital Expenditures - Total [18]	[02]	\$ 6,698.1	\$ 11,972.6	\$ 854.0	\$ 8,159.3	\$ 3,022.6	\$ 2,114.9	\$ 2,186.5	\$ 4,625.0	\$ 5,493.9	\$ 5,669.8	\$ (429.1)	\$ (1,107.2)	\$ 49,260.4	
12	Materials & Supplies [28]	[02]	\$ -	\$ (160.5)	\$ (449.9)	\$ (23.0)	\$ (100.5)	\$ 19.7	\$ 254.3	\$ (12.6)	\$ (91.4)	\$ 74.3	\$ 38.7	\$ 334.6	\$ (116.3)	
13	CWIP Balance [10], [18]	[02]	\$ 98,813.1	\$ 109,820.4	\$ 108,960.5	\$ 113,845.1	\$ 116,440.4	\$ 119,137.7	\$ 120,983.4	\$ 125,286.0	\$ 130,633.9	\$ 92,230.0	\$ 112,139.0	\$ 110,854.7	\$ 110,854.7	
14	Rate Base - Gross Plant [27]	[02]	\$ 150,638.2	\$ 152,416.0	\$ 153,756.8	\$ 156,251.1	\$ 157,944.4	\$ 156,271.5	\$ 154,713.0	\$ 155,037.6	\$ 155,264.8	\$ 156,810.7	\$ 168,674.3	\$ 179,153.3	\$ 158,077.6	
15	Rate Base - Accumulated Depreciation [14],[27]	[02]	\$ (44,001)	\$ (44,823)	\$ (45,654)	\$ (46,496)	\$ (47,352)	\$ (48,209)	\$ (49,057)	\$ (49,901)	\$ (50,745)	\$ (51,591)	\$ (52,483)	\$ (53,452)	\$ (48,647)	
16	Rate Base - Net Plant [27]	[02]	\$ 106,638	\$ 107,593	\$ 108,103	\$ 109,755	\$ 110,592	\$ 108,062	\$ 105,656	\$ 105,137	\$ 104,520	\$ 105,220	\$ 116,191	\$ 125,701	\$ 109,431	
17	Rate Base - Materials & Supplies [27], [28]	[02]	\$ 10,073	\$ 9,993	\$ 9,688	\$ 9,452	\$ 9,390	\$ 9,349	\$ 9,486	\$ 9,607	\$ 9,555	\$ 9,547	\$ 9,603	\$ 9,790	\$ 9,628	
18	Rate Base - Deferred Tax Estimate [27],[34],[35]	[02]	\$ (13,207)	\$ (12,909)	\$ (12,633)	\$ (12,401)	\$ (12,200)	\$ (11,954)	\$ (11,671)	\$ (11,400)	\$ (11,139)	\$ (10,970)	\$ (11,830)	\$ (13,634)	\$ (12,162)	
19	Rate Base - Average Period Ending [27]	[02]	\$ 103,504	\$ 104,677	\$ 105,159	\$ 106,805	\$ 107,782	\$ 105,458	\$ 103,472	\$ 103,344	\$ 102,936	\$ 103,797	\$ 113,965	\$ 121,857	\$ 106,896	
20	Depreciation [14]	[02]	\$ 817	\$ 827	\$ 835	\$ 851	\$ 862	\$ 852	\$ 843	\$ 845	\$ 847	\$ 856	\$ 939	\$ 1,010	\$ 10,385	
21	Taxes on Income [34],[35]	[02]	\$ 337	\$ 342	\$ 344	\$ 349	\$ 355	\$ 348	\$ 339	\$ 339	\$ 337	\$ 334	\$ 303	\$ 341	\$ 4,067	
22	Ad Valorem Taxes [30]	[02]	\$ -	\$ -	\$ -	\$ 1,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,977	\$ 3,917	
23	Return	[02]	\$ 725	\$ 733	\$ 736	\$ 748	\$ 755	\$ 738	\$ 724	\$ 723	\$ 721	\$ 727	\$ 798	\$ 853	\$ 8,979	
24	Subtotal Revenue Requirement	[02]	\$ 1,879	\$ 1,902	\$ 1,914	\$ 3,887	\$ 1,971	\$ 1,939	\$ 1,907	\$ 1,908	\$ 1,905	\$ 1,917	\$ 2,040	\$ 4,181	\$ 27,348	
<b>25</b>	<b>II. Steam Gen Replacement/Remove Capital Cost Subaccount [11],[13]</b>															
26	Capital Expenditures - Replace (Unit 2) [09]		\$ 71,605.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,847	\$ 64	\$ 11,911
27	Capital Expenditures - Remove (Unit 2) [06],[09]		\$ 16,704.6	\$ 783	\$ 648	\$ 122	\$ 121	\$ 259	\$ 121	\$ 125	\$ 133	\$ 126	\$ 129	\$ (11,783)	\$ (64)	\$ (9,279)
28	Capital Expenditures - Replace (Unit 3) [09]		\$ 77,419.5	\$ 61	\$ (982)	\$ 440	\$ 5	\$ 77	\$ 802	\$ 1,076	\$ (172)	\$ (798)	\$ (469)	\$ 730	\$ 185	\$ 952
29	Capital Expenditures - Remove (Unit 3) [06],[09]		\$ 9,795.5	\$ 66	\$ 66	\$ 67	\$ 66	\$ 66	\$ 66	\$ 65	\$ 68	\$ 68	\$ 70	\$ (637)	\$ (70)	\$ (40)
30	Capital Expenditures - Total		\$ 175,524.6	\$ 910	\$ (269)	\$ 628	\$ 192	\$ 403	\$ 989	\$ 1,266	\$ 29	\$ (604)	\$ (271)	\$ 157	\$ 114	\$ 3,544
31	CWIP Balance - Replace (Unit 2) [07]	[02]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
32	CWIP Balance - Remove (Unit 2) [07],[08]	[02]	\$ 17,488	\$ 18,136	\$ 18,258	\$ 18,379	\$ 18,638	\$ 18,759	\$ 18,884	\$ 19,017	\$ 19,143	\$ 19,272	\$ -	\$ -	\$ -	
33	CWIP Balance - Replace (Unit 3) [07],[08]	[02]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137	\$ 137	
34	CWIP Balance - Remove (Unit 3) [07],[08]	[02]	\$ 9,861	\$ 9,927	\$ 9,994	\$ 10,060	\$ 10,126	\$ 10,192	\$ 10,257	\$ 10,325	\$ 10,393	\$ 10,463	\$ 9,826	\$ -	\$ -	
35	Rate Base - Gross Plant (Replace) [27]	[02]	\$ 149,055	\$ 148,594	\$ 148,323	\$ 148,545	\$ 148,586	\$ 149,026	\$ 149,965	\$ 150,416	\$ 149,931	\$ 149,297	\$ 155,383	\$ 161,727	\$ 150,737	
36	Rate Base - Accumulated Depreciation [14],[27]	[02]	\$ (15,524)	\$ (16,584)	\$ (17,642)	\$ (18,700)	\$ (19,758)	\$ (20,818)	\$ (21,884)	\$ (22,954)	\$ (24,024)	\$ (25,090)	\$ (22,463)	\$ (15,002)	\$ (20,037)	
37	Rate Base - Net Plant [27]	[02]	\$ 133,531	\$ 132,010	\$ 130,681	\$ 129,845	\$ 128,828	\$ 128,207	\$ 128,081	\$ 127,463	\$ 125,907	\$ 124,208	\$ 132,921	\$ 146,725	\$ 130,701	
38	Rate Base - Materials & Supplies [27], [28]	[02]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
39	Rate Base - Deferred Tax Estimate [27],[34],[35]	[02]	\$ 249	\$ 228	\$ 206	\$ 184	\$ 162	\$ 140	\$ 116	\$ 93	\$ 73	\$ 53	\$ (1,312)	\$ (4,425)	\$ (353)	
40	Rate Base - Average Period End [27]	[02]	\$ 133,780	\$ 132,238	\$ 130,887	\$ 130,029	\$ 128,990	\$ 128,347	\$ 128,197	\$ 127,556	\$ 125,980	\$ 124,261	\$ 131,608	\$ 142,300	\$ 130,348	
41	Depreciation [14]	[02]	\$ 1,062	\$ 1,059	\$ 1,057	\$ 1,058	\$ 1,059	\$ 1,062	\$ 1,069	\$ 1,072	\$ 1,068	\$ 1,064	\$ 1,107	\$ 1,152	\$ 12,888	
42	Taxes on Income [34],[35]	[02]	\$ 418	\$ 413	\$ 407	\$ 404	\$ 400	\$ 398	\$ 397	\$ 395	\$ 390	\$ 385	\$ 369	\$ 414	\$ 4,789	
43	Ad Valorem Taxes [30]	[02]	\$ -	\$ -	\$ -	\$ 153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 343	\$ 496	
44	Return	[02]	\$ 937	\$ 926	\$ 916	\$ 910	\$ 903	\$ 898	\$ 897	\$ 893	\$ 882	\$ 870	\$ 921	\$ 996	\$ 10,949	
45	Subtotal Revenue Requirement	[02]	\$ 2,417	\$ 2,397	\$ 2,380	\$ 2,526	\$ 2,362	\$ 2,358	\$ 2,363	\$ 2,360	\$ 2,341	\$ 2,318	\$ 2,397	\$ 2,905	\$ 29,123	



		Pre-2012	2012												YTD
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
95	Nuclear Operations - Labor [33]	[02]	\$ 15	\$ 19	\$ 20	\$ 12	\$ 24	\$ 14	\$ 20	\$ 17	\$ 18	\$ 21	\$ 12	\$ 19	\$ 211
96	Nuclear Operations - Non-Labor	[02]	\$ 0	\$ 36	\$ 7	\$ 0	\$ 2	\$ 1	\$ 0	\$ -	\$ 0	\$ 0	\$ -	\$ 0	\$ 47
97	Nuclear Operations - Overheads [26]	[02]	\$ 15	\$ 19	\$ 20	\$ 13	\$ 25	\$ 14	\$ 21	\$ 18	\$ 18	\$ 22	\$ 13	\$ 19	\$ 217
98	Financial Oversight and Audit - Labor	[02]	\$ 6	\$ 7	\$ 6	\$ 6	\$ 7	\$ 6	\$ 6	\$ 7	\$ 7	\$ 7	\$ 6	\$ 9	\$ 80
99	Financial Oversight and Audit - Non-Labor	[02]	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1	\$ -	\$ 1	\$ 2	\$ 0	\$ 5
100	Financial Oversight and Audit - Overheads [26]	[02]	\$ 6	\$ 7	\$ 6	\$ 7	\$ 7	\$ 7	\$ 6	\$ 8	\$ 7	\$ 7	\$ 6	\$ 9	\$ 83
101	Total SDG&E SONGS Oversight Costs [33]	[02]	\$ 43	\$ 87	\$ 59	\$ 38	\$ 66	\$ 41	\$ 54	\$ 51	\$ 50	\$ 58	\$ 38	\$ 57	\$ 642

#### FOOTNOTES

- [01] All amounts shown above reflect SDG&E's 20% share of SONGS costs, including contractual and SDG&E internal loaders. Prior period adjustments are excluded unless otherwise noted.
- [02] Current interpretation of I.12-10-013 does not require reporting of this value.
- [03] Severance costs (SCE Share) included in Line No. 28 reflect an accrued amount of \$36.0 million, however only \$13.8 million has been paid out as of December 31, 2012.
- [04] Received \$45.4 million (100% share) from MHI and this amount is not included above.
- [05] Peñasquitos 230kV Capacitor Bank Project - Remains in REL Status as of 6 February 2013. This project provides benefits to SDG&E customers regardless of the SONGS operating status.
- [06] SGRP costs reported net of the amount SDG&E was authorized to expense for recover prior to full completion of the SGRP project.
- [07] SGRP replacement costs were moved from CWIP to Plant In Service in April 2010 for Unit 2 and February 2011 for Unit 3 based upon information provided by SCE.
- [08] Unit 2 COR was moved from CWIP to 108.4 (Removal Costs) in November, 2012, and Unit 3 COR was transferred in December 2012. An immaterial balance for Unit 3 remained in CWIP until January 2013.
- [09] SGRP Replacement versus COR was trued-up when updated allocations were provided by SCE. These updates were provided after completion of U2 removal and U3 removal (remains pending).
- [10] In 2012, SDG&E identified a disconnect between SDG&E and SCE/SONGS tracking of projects due to information received from SCE after SCE implemented SAP. SDG&E has been working to correct this issue through its own records and by working with SCE/SONGS to obtain additional monthly reporting surrounding project completion. Efforts remain in progress.
- [11] All costs in this category are reported net of SDG&E internal costs and the billing lag created by the SCE invoice process.
- [12] This project remains under construction and has not been transferred from CWIP to Rate Base.
- [13] SDG&E costs for SGRP include a \$1,985.6K credit from audit refunds allocated across open projects based on findings from the 2000 - 2003 Minority Owner Audit of SONGS. This credit represents an allocation and may not directly relate to SGRP. SDG&E Document Number 12297717 / Reference Document 10339823.
- [14] Accumulated Depreciation includes Cost of Removal; Depreciation Expense does not include Cost of Removal.
- [15] Each month, SCE advance bills SDG&E for the month and trues-up previous advance bills. The "Lag Adjustment" converts SONGS data for the billing process to match actual SDG&E posting periods.
- [16] Various SDG&E transfers / adjustments, such as corrections to SONGS Capital Invoice to remove embedded O&M costs identified through SDG&E's oversight with SCE. These costs were inadvertently excluded from posting to SONGSBA.
- [17] Excludes costs associated with SGRP, as well as SDG&E's oversight of SONGS.
- [18] Capital total excludes \$22.5K of SDG&E non-SONGS costs inadvertently charged to SONGS projects and subsequently corrected in 2013. These costs are included in CWIP for 2012.
- [19] SCE does not invoice SDG&E in a manner that allows for O&M costs to be differentiated at this level. These figures were provided by SCE, who allocated the SDG&E prorated billing based upon SCE's reported costs with Seismic Safety costs being directly calculated based on 20% of the 100% SONGS value. Due to the allocation methodology, variations in contractual overhead allocations based on labor and non-labor may not be accurately reflected within the reported values.
- [20] Monthly reporting based on annual total indexed to the number of days within each month, with December compensating for rounding by representing the difference between the annual total and summation of January through November.
- [21] SDG&E has not yet received a decision on its GRC to authorize a 2012 revenue requirement. The information submitted on November 10, 2011, in SDG&E's Advice Letter 2302-E is utilized as a proxy.
- [22] SDG&E does not specifically allocate overheads for these costs. Values shown are calculated based on the monthly capital overhead rates utilized for planning purposes in order to estimate A&G.
- [23] Excludes refunds / adjustments associated with prior periods (ex. Joint Minority Owner Audit Findings and DOE Litigation Refund)
- [24] Includes \$11.7K to SCE for independent consultant for SONGS A&G Study, \$27.0K interest penalty related to a delayed payment to SCE, and \$65.0K to SCE for additional Master Insurance Program billing post audit settlement. These costs were have not been posted to SONGSBA at this time.
- [25] Excludes \$2,122.4K SDG&E posting error in June 2012 that did not impact SONGSBA and was subsequently corrected in July 2012.
- [26] Estimated overheads for Payroll Tax, Incentive Compensation Plan ("ICP"), Pensino & Benefits, Workers' Compensation, Vacation & Sick Leave, PLPD Insurance, and Purchasing, based upon planning rates internally published monthly.
- [27] Average of report and next month rate base are utilized to develop an annual figure equivalent to the weighted-average rate base utilized for ratemaking.
- [28] SDG&E pays to, or receives from, SCE each month the net change in SONGS inventory ("Materials & Supplies" or "M&S"). As the M&S balance is included in SONGS Rate Base, the associated net monthly SDG&E costs are included in Capital Section I.
- [29] SDG&E costs direct-charged to SONGS Capital for activities associated with the SONGS Team Lead and Financial Project Manager.
- [30] Property tax amounts are estimated based on an allocation of total property taxes paid. No direct property-tax value is available.
- [31] Includes additional charges billed by SCE, such as Industrial Accident & Litigation and Master Insurance Program costs.
- [32] Includes actual insurance costs paid to SCE for SONGS.
- [33] Excludes actual non-productive time incurred during the year due to inclusion of Vacation & Sick ("V&S") overhead allocation.
- [34] Bonus depreciation was assumed to be 30% in 2004, and 50% in 2009-2012, with a small portion (<4M) of 2011 additions receiving 100% bonus depreciation in the non-SGRP portion. All of the SGRP additions did not qualify for bonus depreciation.
- [35] Due to SDG&E being in a net operating loss (NOL) for federal income tax in 2012 (from the 100% bonus depreciation on the 1.8B Sunrise Powerlink), there was no cash benefit to deferred taxes related to bonus depreciation. Consequently, there is a deferred tax asset of 3.3M added back into rate base in 2012 which will reverse as SDG&E recognizes taxable income again in 2013 and 2014.



**San Onofre Nuclear Generating Station ("SONGS")- A.13-03-014**

**Purpose:** 2012 Unit 1 Spent Fuel Storage at GE-Hitachi, Morris IL

**NOTES**

*[1] Enhanced Security Fee*

<b>Month End/Period</b>	<b>100% Level</b>	<b>SDG&amp;E 20% Share</b>
Jan 2012	\$ 409,655	\$ 81,931
Feb 2012	\$ 409,201	\$ 81,840
Mar 2012	\$ 408,974	\$ 81,795
Mar 2012 <sup>1</sup>	\$ 57,265	\$ 11,453
Apr 2012	\$ 414,547	\$ 82,909
May 2012	\$ 415,001	\$ 83,000
Jun 2012	\$ 411,704	\$ 82,341
Jul 2012	\$ 412,258	\$ 82,452
Aug 2012	\$ 411,484	\$ 82,297
Sep 2012	\$ 415,096	\$ 83,019
Oct 2012	\$ 416,251	\$ 83,250
Nov 2012	\$ 415,807	\$ 83,161
Dec 2012	\$ 415,096	\$ 83,019
<b>Total</b>	<b>\$ 5,012,338</b>	<b>\$ 1,002,468</b>

**San Onofre Nuclear Generating Station ("SONGS")- A.13-03-014**

**Purpose:** Navy Easement Payments

<b>NAVY Easement Payments</b>	<b>Posting Date</b>	<b>Total Amount</b>
Department of the Navy	4/26/2011	\$ 20,147
A&G Leased Rental	4/26/2011	\$ 86
A&G Leased Rental	4/26/2011	\$ 746
A&G Leased Rental	4/26/2011	\$ 18,258
A&G Leased Rental	4/26/2011	\$ 513
A&G Leased Rental	4/26/2011	\$ 545
<b>Total</b>		<b>\$ 20,147</b>

## San Onofre Nuclear Generating Station ("SONGS") -- A.13-03-014

**Purpose:** Detailed SDG&E Costs for SGRP by Year

### NOTES

All figures shown as 1,000 USD

All figures rounded to nearest 1 digit

All data excludes SONGS costs incurred by SCE since November 1, 2012

	2006	2007	2008	2009	2010	2011	2012	Total
<i>SAP Data Indexed to SCE Year (SDG&amp;E's 20%)</i>								
SCE Charges - Labor	\$ -	\$ -	\$ -	\$ 958	\$ 7,401	\$ 1,417	\$ 286	\$ 10,062
SCE Charges - Mixed	\$ 23,603	\$ 12,666	\$ 13,361	\$ 4,162	\$ 1,986	\$ (660)	\$ -	\$ 55,117
SCE Charges - Non-Labor	\$ -	\$ -	\$ -	\$ 38,316	\$ 38,555	\$ 21,118	\$ 3,173	\$ 101,161
SCE Costs for SGRP (SDG&E's 20%)	\$ 23,603	\$ 12,666	\$ 13,361	\$ 43,435	\$ 47,941	\$ 21,875	\$ 3,459	\$ 166,340
Net Impact of SCE Advance/True-Up Process <sup>[02]</sup>	\$ -	\$ -	\$ 556	\$ -	\$ 5,000	\$ (14,150)	\$ (2,039)	\$ (10,632)
Net Payments to SCE [01]	\$ 23,603	\$ 12,666	\$ 13,917	\$ 43,435	\$ 52,941	\$ 7,725	\$ 1,421	\$ 155,708
SDG&E Direct Charges	\$ 10	\$ 20	\$ 19	\$ 23	\$ 24	\$ 23	\$ 0	\$ 120
SDG&E Overheads	\$ 838	\$ 577	\$ 1,293	\$ 507	\$ 1,786	\$ 216	\$ 35	\$ 5,252
Gross SDG&E Excluding AFUDC	\$ 24,451	\$ 13,264	\$ 15,230	\$ 43,966	\$ 54,751	\$ 7,964	\$ 1,456	\$ 161,081
Recovery of OSG Removal Costs <sup>[02]</sup>	\$ -	\$ -	\$ -	\$ (0)	\$ (2,669)	\$ (3,719)	\$ -	\$ (6,388)
Net SDG&E Cost Before AFUDC	\$ 24,451	\$ 13,264	\$ 15,230	\$ 43,965	\$ 52,082	\$ 4,245	\$ 1,456	\$ 154,693
SDG&E AFUDC	\$ 248	\$ 2,594	\$ 3,989	\$ 6,278	\$ 6,593	\$ 2,586	\$ 2,088	\$ 24,376
<b>SDG&amp;E Net Investment in SGRP</b>	<b>\$ 24,700</b>	<b>\$ 15,858</b>	<b>\$ 19,219</b>	<b>\$ 50,243</b>	<b>\$ 58,674</b>	<b>\$ 6,831</b>	<b>\$ 3,544</b>	<b>\$ 179,068</b>

<sup>[01]</sup> Due to billing lag, data excludes SONGS costs incurred by SCE since November 1, 2012.

<sup>[02]</sup> Represents recovery of original steam generator removal costs authorized by D.06-11-026.

**San Onofre Nuclear Generating Station ("SONGS")- A.13-03-014**

**Purpose:** SDG&E Property, Plant, & Equipment ("PP&E") End-of-Month Balance Details for SONGS (Including SGRP) with Cost of Removal ("COR") Detail and Monthly Depreciation Expense

Month End/Period	Acquisition Value	Accumulated Depreciation	Net Book Value	Removal Costs	Depreciation Expense	Monthly COR Change	Depreciation Expense W/O COR
Dec 2004	\$ 16,338,326	\$ (234,200)	\$ 16,104,126	\$ (87)	\$ (234,200)	\$ (87)	\$ (234,113)
Dec 2005	\$ 35,464,835	\$ (1,919,067)	\$ 33,545,768	\$ (196)	\$ (1,684,867)	\$ (109)	\$ (1,684,758)
Dec 2006	\$ 59,875,855	\$ (7,533,489)	\$ 52,342,366	\$ 14,140	\$ (5,614,422)	\$ 14,336	\$ (5,628,758)
Dec 2007	\$ 69,903,490	\$ (14,164,471)	\$ 55,739,020	\$ 58,676	\$ (6,630,982)	\$ 44,536	\$ (6,675,518)
Dec 2008	\$ 82,284,831	\$ (22,311,379)	\$ 59,973,452	\$ 48,770	\$ (8,146,908)	\$ (9,906)	\$ (8,137,002)
Dec 2009	\$ 110,239,003	\$ (27,537,985)	\$ 82,701,018	\$ 48,770	\$ (5,226,606)	\$ -	\$ (5,226,606)
Dec 2010	\$ 204,028,198	\$ (38,279,883)	\$ 165,748,315	\$ 179,573	\$ (10,741,898)	\$ 130,803	\$ (10,872,701)
Dec 2011	\$ 298,368,719	\$ (58,584,857)	\$ 239,783,862	\$ 179,573	\$ (20,304,974)	\$ -	\$ (20,304,974)
Jan 2012	\$ 301,017,551	\$ (60,464,223)	\$ 240,553,327	\$ 179,573	\$ (1,879,367)	\$ -	\$ (1,879,367)
Feb 2012	\$ 301,002,895	\$ (62,349,980)	\$ 238,652,915	\$ 179,573	\$ (1,885,757)	\$ -	\$ (1,885,757)
Mar 2012	\$ 303,156,195	\$ (64,241,453)	\$ 238,914,743	\$ 179,573	\$ (1,891,473)	\$ -	\$ (1,891,473)
Apr 2012	\$ 306,435,598	\$ (66,150,334)	\$ 240,285,264	\$ 179,573	\$ (1,908,882)	\$ -	\$ (1,908,882)
May 2012	\$ 306,624,887	\$ (68,070,596)	\$ 238,554,291	\$ 179,573	\$ (1,920,261)	\$ -	\$ (1,920,261)
Jun 2012	\$ 303,969,205	\$ (69,984,439)	\$ 233,984,766	\$ 179,573	\$ (1,913,843)	\$ -	\$ (1,913,843)
Jul 2012	\$ 305,385,769	\$ (71,896,226)	\$ 233,489,543	\$ 179,573	\$ (1,911,787)	\$ -	\$ (1,911,787)
Aug 2012	\$ 305,522,115	\$ (73,813,358)	\$ 231,708,757	\$ 179,573	\$ (1,917,132)	\$ -	\$ (1,917,132)
Sep 2012	\$ 304,869,618	\$ (75,723,933)	\$ 229,145,685	\$ 184,078	\$ (1,910,575)	\$ 4,505	\$ (1,915,080)
Oct 2012	\$ 307,346,526	\$ (77,637,102)	\$ 229,709,424	\$ 190,899	\$ (1,913,169)	\$ 6,821	\$ (1,919,990)
Nov 2012	\$ 340,768,304	\$ (72,254,325)	\$ 268,513,979	\$ 7,620,140	\$ 5,382,776	\$ 7,429,241	\$ (2,046,465)
Dec 2012	\$ 340,992,818	\$ (64,653,409)	\$ 276,339,409	\$ 17,383,589	\$ 7,600,917	\$ 9,763,450	\$ (2,162,533)
Jan 2013	\$ 342,934,722	\$ (67,048,815)	\$ 275,885,907	\$ 17,387,630	\$ (2,395,407)	\$ 4,041	\$ (2,399,448)
<b>Total</b>					<b>\$ (67,048,815)</b>	<b>\$ 17,387,630</b>	<b>\$ (84,436,446)</b>

\$ 23,272,568

**San Onofre Nuclear Generating Station ("SONGS")- A.13-03-014**

**Purpose:** SDG&E Property & Income Taxes

**NOTES**

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*Source: SDG&E Cap Worksheet*

	2012
<b><i>SONGS Taxes</i></b>	
Taxes on Income	\$ 4,067
Ad Valorem Taxes	\$ 3,917
SGRP Taxes on Income	\$ 4,789
SGRP Ad Valorem Taxes	\$ 496
<b>Total</b>	<b>\$ 13,270</b>

**San Onofre Nuclear Generating Station ("SONGS")- A.13-03-014**

**Purpose:** SDG&E SONGS Ratebase

**NOTES**

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*Source: SDG&E Cap Worksheet*

	2012
<b><i>SONGS 2012 Return on Ratebase</i></b>	
Return other than SGRP	\$ 8,979
SGRP Return	\$ 10,949
<b>Total</b>	<b>\$ 19,929</b>

