

## Decommissioning Funding Assurance Analysis As of December 31, 2011 For

**Plant Name: San Onofre Nuclear Generating Station, Unit 1 Docket Number: 50-206**

1	Calculated NRC Formula Amount Pursuant to 10 CFR 50.75(b) and (c):	<u>\$397,700,000</u>
	Estimated Cost of Decommissioning Activities as Stated in Most Recent SSCE update:	<u>\$672,400,000</u>
	Estimated Cost of Remaining Decommissioning Activities as Stated in Most Recent SSCE update:	<u>\$176,300,000</u>

2 The total amount of dollars accumulated at the end of the appropriate year: (see below)

Licensee:	% Owned:	Amount in Trust Fund:
Southern Cal Edison	80.00%	\$177,900,000
San Diego Gas & Elec	20.00%	\$89,300,000

Total Trust Fund Balance \$267,200,000

3 Schedule of the annual amounts remaining to be collected: (Provided/None) None

4 Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

Rate of Return on Earnings	Escalation Rate	Rate(s) of Other Factors	Real Rate of Return
2.00%		N/A	2.00%

5 Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v): None

6 Any modifications to licensee's method of providing financial assurance since last report: None

7 Any material changes to trust agreements: None

<b>DECOMMISSIONING STATUS</b>
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Current Status of Reactor (DECOM, SAFSTOR, ENTOMB): DECOM/SAFSTOR

Projected/Actual Start-Date of Decommissioning Activities (Year): 2000

Projected End-Date of Decommissioning Activities (Year): 2030 (Note 1)

Note 1: From NRC: "SONGS-1 was a Westinghouse 3-loop pressurized water reactor constructed by Bechtel and rated at 1347 MWt. It began commercial operation on January 1, 1968 and ceased operation on November 30, 1992. Defuelling was completed on March 6, 1993. On December 28, 1993, NRC approved the Permanently Defueled Technical Specifications. On November 3, 1994, SCE submitted a Proposed Decommissioning Plan to place SONGS-1 in SAFSTOR until the shutdown on Units 2 and 3, at the end of their licenses, that were extended to 2022 by license amendments in March, 2000. On December 15, 1998, following a change in NRC decommissioning regulations, SCE submitted a post shutdown decommissioning activities report (PSDAR) for SONGS-1, to commence DECON in 2000. SCE actively decommissioned the facility, and most of the structures and equipment have been removed and disposed. Water control is active, and is processed through the Unit 2 - 3 wastewater treatment system. NRC issued a license amendment in February 2010 releasing the off-shore portions of the Unit 1 cooling intake and outlet pipes in place, under the Pacific Ocean seabed, for unrestricted use. The fuel from Unit 1 was transferred to Phase 1 of the ISFSI. The ISFSI will be expanded onto the area previously occupied by Unit 1 as needed in order to store all Unit 2 and Unit 3 spent fuel. "

RAI for annual decom cost breakdown

**San Onofre Nuclear Generating Station, Unit 1**  
**Decommissioning/SAFSTOR Cost Analysis**  
*(Beginning Balance + Contribution - Cost) \* (1 + ERR) = End Balance*

Reporting Year: **2012**  
Current Amount Reported in DTF: **\$267,200,000**  
Rate of Return During SAFSTOR/Decom: **2.00%**  
Projected End-Date of Decom Activities: **2030 (Note 1)**  
Escalation Rate (if applicable): **0.00%**  
Real Rate of Return: **2.00%**

Year / Payment #	Year	Beginning Balance (2012 \$):	Future Collections/ Contributions to Fund:	Payment Amount (2012 \$):	Rate of Return on Earnings:	Projected Earnings:	End Balance (2012 \$):
1	2012	\$267,200,000	\$0	\$137,472	2.00%	\$5,341,251	\$272,403,779
2	2013	\$272,403,779	\$0	\$125,658	2.00%	\$5,445,562	\$277,723,683
3	2014	\$277,723,683	\$0	\$117,066	2.00%	\$5,552,132	\$283,158,749
4	2015	\$283,158,749	\$0	\$111,696	2.00%	\$5,660,941	\$288,707,994
5	2016	\$288,707,994	\$0	\$99,882	2.00%	\$5,772,162	\$294,380,275
6	2017	\$294,380,275	\$0	\$97,734	2.00%	\$5,885,651	\$300,168,191
7	2018	\$300,168,191	\$0	\$94,512	2.00%	\$6,001,474	\$306,075,153
8	2019	\$306,075,153	\$0	\$89,142	2.00%	\$6,119,720	\$312,105,731
9	2020	\$312,105,731	\$0	\$837,720	2.00%	\$6,225,360	\$317,493,371
10	2021	\$317,493,371	\$0	\$77,328	2.00%	\$6,348,321	\$323,764,364
11	2022	\$323,764,364	\$0	\$71,958	2.00%	\$6,473,848	\$330,166,254
12	2023	\$330,166,254	\$0	\$68,736	2.00%	\$6,601,950	\$336,699,469
13	2024	\$336,699,469	\$0	\$63,366	2.00%	\$6,732,722	\$343,368,825
14	2025	\$343,368,825	\$0	\$40,568,202	2.00%	\$6,056,012	\$308,856,635
15	2026	\$308,856,635	\$0	\$55,929,624	2.00%	\$5,058,540	\$257,985,552
16	2027	\$257,985,552	\$0	\$47,256	2.00%	\$5,158,766	\$263,097,061
17	2028	\$263,097,061	\$0	\$41,886	2.00%	\$5,261,104	\$268,316,279
18	2029	\$268,316,279	\$0	\$36,516	2.00%	\$5,365,595	\$273,645,358
19	2030	\$273,645,358	\$0	\$31,146	2.00%	\$5,472,284	\$279,086,497
20	2031	\$279,086,497	\$0	\$26,850	2.00%	\$5,581,192.93	\$284,640,839
21	2032	\$284,640,839	\$0	\$21,480	2.00%	\$5,692,387.19	\$290,311,747
22	2033	\$290,311,747	\$0	\$15,036	2.00%	\$5,805,934.21	\$296,102,645
23	2034	\$296,102,645	\$0	\$10,740	2.00%	\$5,921,838.10	\$302,013,743
24	2035	\$302,013,743	\$0	\$1,541,190	2.00%	\$6,009,451.06	\$306,482,004
25	2036	\$306,482,004	\$0	\$1,495,008	2.00%	\$6,099,739.92	\$311,086,736

26	2037	\$311,086,736	\$0	\$0	2.00%	\$6,221,734.72	\$317,308,471
27	2038	\$317,308,471	\$0	\$0	2.00%	\$6,346,169.41	\$323,654,640
28	2039	\$323,654,640	\$0	\$0	2.00%	\$6,473,092.80	\$330,127,733
29	2040	\$330,127,733	\$0	\$0	2.00%	\$6,602,554.66	\$336,730,287
30	2041	\$336,730,287	\$0	\$0	2.00%	\$6,734,605.75	\$343,464,893
31	2042	\$343,464,893	\$0	\$0	2.00%	\$6,869,297.86	\$350,334,191
32	2043	\$350,334,191	\$0	\$0	2.00%	\$7,006,683.82	\$357,340,875
33	2044	\$357,340,875	\$0	\$0	2.00%	\$7,146,817.50	\$364,487,692
34	2045	\$364,487,692	\$0	\$0	2.00%	\$7,289,753.85	\$371,777,446
35	2046	\$371,777,446	\$0	\$0	2.00%	\$7,435,548.93	\$379,212,995
36	2047	\$379,212,995	\$0	\$0	2.00%	\$7,584,259.90	\$386,797,255
37	2048	\$386,797,255	\$0	\$0	2.00%	\$7,735,945.10	\$394,533,200
38	2049	\$394,533,200	\$0	\$0	2.00%	\$7,890,664.00	\$402,423,864
39	2050	\$402,423,864	\$0	\$0	2.00%	\$8,048,477.28	\$410,472,342
40	2051	\$410,472,342	\$0	\$0	2.00%	\$8,209,446.83	\$418,681,788
41	2052	\$418,681,788	\$0	\$38,616,744	2.00%	\$7,601,300.89	\$387,666,345

**Projected End-Balance of DTF:**

**\$387,666,345**

**Financial Assurance Met (Y/N):**

**Y**

Signature: Shawn W. Harwell

Date: 11/26/2012