

Plant name: Summer (Virgil C.) Nuclear Station

Docket Number: 50-395

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$447,041,975

Did the licensee identify the amount of estimated radiological funds? (Y/N) Y

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

Licensee:	% Owned:	Category:	Amount in Trust Fund:
SCE&G	66.66%	1	\$91,242,951
Santee Cooper	33.34%	1	\$95,662,377
			Total Trust Fund Balance
			\$186,905,328

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

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	PUC Verified (Y/N)	Allowed through Decom (Y/N)	RAI Needed (Y/N)	Post-RAI		
							PUC Verified (Y/N)	Allowed through Decom (Y/N)	Rates Determined (Y/N)
Variable ¹	Variable ¹	Variable ¹	Variable ¹	N	N	Y	N	Y	Y

5 Any contracts upon which the licensee is relying? (Y/N) N

6 Any modifications to a licensee's method of providing decommissioning funding assurance? (Y/N) N

7 Any material changes to trust agreements? (Y/N) N

If a change has occurred, the reviewer will document on this sheet that a change has occurred and identify the reviewer who will evaluate the change: (see below)

¹ Rates provided are considered variable because the rates are not consistent throughout the licensee(s) and/or years of operation/decommission.

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Termination of Operations: 8 6 2042

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	2900	\$100,520,000	112.8	1.98	0.65	2.23	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.253	0.22	12.28

NRC Minimum: \$446,929,043 **Site Specific:**

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
SCE&G	66.66%	1	\$297,922,900	\$91,242,951
Santee Cooper	33.34%	1	\$149,006,143	\$95,662,377
			Total Fund Balance:	\$186,905,328

Step 1:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$186,905,328	2%	31.60	\$349,439,022	NO

Step 2:
Accumulation:

Value of Annuity per year (amount/See Annuity Sheet)	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
See Annuity Sheet	See Annuity Sheet	32	See Total Step 2

Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 2:
See Total Step 2	See Annuity Sheet	0.00	\$90,018,867

Total Step 1 + Step 2	Does Licensee Pass:
\$439,457,889	NO

Step 3:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$439,457,889	2%	7	\$32,670,545

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$472,128,433	YES	NO

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If licensee is granted greater than 2% RRR

**Step 4:
Earnings Credit:**

Licensee Name	Trust Fund Balance:	Real Rate of Return	Years Left in	Total Earnings:	Does Licensee Pass:
SCE&G	\$91,242,951	2.00%	31.60	\$170,588,222	NO
Santee Cooper	\$95,662,377	2.00%	31.60	\$178,850,800	
Total:				\$349,439,022	

**Step 5:
Accumulation:**

Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
See Annuity Sheet	See Annuity Sheet	32	See Total Step 4
Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5
See Total Step 4	See Annuity Sheet	0.00	\$90,018,867
Total Step 4 + Step 5			\$439,457,889
Does Licensee Pass:			NO

**Step 6:
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$439,457,889	2.00%	7	\$32,670,545
Total of Steps 4 thru 6:			\$472,128,433
Does Licensee Pass:			YES
Shortfall:			NO

ANNUITY

Termination of Operations: 8 6 2042

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$2,017,022	2%	\$3,771,153
2012	\$2,017,022	2%	\$3,697,208
2013	\$2,017,022	2%	\$3,624,714
2014	\$2,017,022	2%	\$3,553,641
2015	\$2,017,022	2%	\$3,483,962
2016	\$2,017,022	2%	\$3,415,649
2017	\$2,017,022	2%	\$3,348,676
2018	\$2,017,022	2%	\$3,283,015
2019	\$2,017,022	2%	\$3,218,642
2020	\$2,017,022	2%	\$3,155,532
2021	\$2,017,022	2%	\$3,093,659
2022	\$2,017,022	2%	\$3,032,999
2023	\$2,017,022	2%	\$2,973,528
2024	\$2,017,022	2%	\$2,915,224
2025	\$2,017,022	2%	\$2,858,062
2026	\$2,017,022	2%	\$2,802,022
2027	\$2,017,022	2%	\$2,747,080
2028	\$2,017,022	2%	\$2,693,216
2029	\$2,017,022	2%	\$2,640,408
2030	\$2,017,022	2%	\$2,588,635
2031	\$2,017,022	2%	\$2,537,878
2032	\$2,017,022	2%	\$2,488,115
2033	\$2,017,022	2%	\$2,439,329
2034	\$2,017,022	2%	\$2,391,499
2035	\$2,017,022	2%	\$2,344,607
2036	\$2,017,022	2%	\$2,298,634
2037	\$2,017,022	2%	\$2,253,563
2038	\$2,017,022	2%	\$2,209,375
2039	\$2,017,022	2%	\$2,166,054
2040	\$2,017,022	2%	\$2,123,582
2041	\$2,017,022	2%	\$2,081,944
2042	\$1,766,162	2%	\$1,787,264

Total: \$90,018,867

Signature: Michael Purdie and Jo Ann Simpson
 Date: 08/09/2011
 Secondary Review: Kosmas Lois 8/23/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell
 Formulas verified by: Clayton Pittiglio

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Year	Annuity:	Real Rate of Return:	Total Accumulation
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