Rulemaking No:A.14-12-007Exhibit No.:SDGE-02-R-WP-JAtunWitness:Jonathan Atun



#### San Diego Gas & Electric Company (U 902 E)

A.14-12-007 Joint DCE Application

## Workpapers

Workpapers For Exhibit SDGE-02-R Witness: J. Atun

March 2015

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# Unit 2 Summary

### SONGS 2 Qualified & Nonqualified Trust

	Beginning Of Year	Annual Ratepayer		Decommissioning		End Of Year
Year	Balance	Contribution	Returns	Costs	Taxes	Balance
201409		·				441,614
2014	441,614	1,459	5,080	-54,811	-8,772	384,569
2015	384,569	5,834	17,998	-38,095	-11,662	358,644
2016	358,644	0	16,912	-25,267	-8,254	342,036
2017	342,036	0	15,090	-37,471	-8,927	310,728
2018	310,728	0	13,243	-23,989	-6,459	293,523
2019	293,523	0	11,584	-33,887	-5,316	265,904
2020	265,904	0	9,613	-44,308	-4,209	227,000
2021	227,000	0	8,053	-20,274	-2,571	212,209
2022	212,209	0	7,631	-15,514	-1,327	202,998
2023	202,998	0	6,812	-40,094	-1,581	168,134
2024	168,134	0	5,985	-15,529	-982	157,608
2025	157,608	0	5,625	-13,775	-884	148,574
2026	148,574	0	5,409	-7,496	-735	145,752
2027	145,752	0	5,285	-8,449	-716	141,871
2028	141,871	0	5,088	-11,144	-717	135,099
2029	135,099	0	4,659	-20,305	-786	118,668
2030	118,668	0	4,014	-21,953	-731	99,997
2031	99,997	0	3,556	-9,479	-507	93,567
2032	93,567	0	3,437	-3,149	-407	93,448
2033	93,448	0	3,448	-2,329	-394	94,172
2034	94,172	0	3,474	-2,388	-394	94,864
2035	94,864	0	3,498	-2,453	-395	95,514
2036	95,514	0	3,519	-2,667	-397	95,969
2037	95,969	0	3,534	-2,735	-398	96,370
2038	96,370	0	3,548	-2,805	-399	96,714
2039	96,714	0	3,560	-2,876	-400	96,997
2040	96,997	0	3,569	-2,951	-401	97,214
2041	97,214	0	3,575	-3,028	-402	97,359
2042	97,359	0	3,579	-3,106	-403	97,429
2043	97,429	0	3,580	-3,184	-404	97,422
2044	97,422	0	3,579	-3,266	-405	97,330
2045	97,330	0	3,574	-3,350	-405	97,149
2046	97,149	0	3,565	-3,436	-405	96,872
2047	96,872	0	3,553	-3,525	-405	96,496
2048	96,496	0	3,376	-3,616	-405	95,852
2049	95,852	0	2,093	-4,172	-1,315	92,459
2050	92,459	0	1,927	-14,690	0	79,696
2051	79,696	0	1,704	-8,893	0	72,507
2052	72,507	0	1,636	-527	0	73,616
			<b>01</b> 0.044			
Totals		7,293	218,964	-520,984	-73,271	

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# Unit 2 Beginning Balance

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### SONGS 2 -Trust Beginning Balance

Balance Date: 201409

#### QUALIFIED TRUST

Qualified Trust Balances by Unit	Market Value	Allocations		
Unit 1	124,116,605	12%		
Unit 2	442,360,727	41%		
Unit 3	511,475,494	47%		
Total Qualified Trust Balance	1,077,952,826	100%		
Qualified Trust Balances by Asset Class	Market Value	Liquidation Value		
U.S. Equity	453,179,513	360,968,180		
International Equity	186,392,402	163,501,124		
Total Qualified Equity	639,571,915	524,469,305		
Total Qualified Fixed Income	438,381,345	434,922,346		
Total Qualified Trust Balance	1,077,953,260	959,391,650		
	Total	Unit 1	Unit 2	Unit 3
	100%	12%	41%	47%
Total Qualified Equity (Market Value)	639,571,915	73,640,973	262,461,854	303,469,088
Total Qualified Fixed Income (Liquidation Value)	434,922,346	50,077,410	178,479,577	206,365,359
Total Nonqualified Fixed Income (Liquidation Value)*			672,484	
Unit 2 Beginning Balance			441,613,916	

#### Notes:

\*100% of Unit 2's Nonqualified Trust is invested in Municipal Bonds

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SDG&E Nuclear Decommissioning Trust	
09-30-2014 Estimated Liquidation Value Calculation	

		-			Liquidation
Qualified Trust		Cost	Market Value		Value*
San Onofre 1	\$	51,049,608 06	\$124,116,605 42	\$	104,335,907 89
San Onofre 2		279,791,173 92	\$442,360,726 83		398,349,897 47
San Onofre 3		309,163,270 81	\$511,475,494 08		456,705,529 00
Total Qualified Trust	\$	640,004,052 79	\$ 1,077,952,826 33	\$	959,391,334 36
Nonqualified Trust					
San Onofre 1	\$	8,124,232 76	\$ 8,280,694 08	\$	8,216,952.52
San Onofre 2		662,116 85	\$ 679,611 49		672,484 26
San Onofre 3		-	 -		-
Total Nonqualified Trust	\$	8,786,349 61	\$ 8,960,305 57	\$	8,889,436 78
	_				
Total Trust (Qualified & N					
San Onofre 1	\$	59,173,840 82	\$ 132,397,299 50	\$	112,552,860 42
San Onofre 2		280,453,290 77	443,040,338 32		399,022,381 73
San Onofre 3		309,163,270 81	511,475,494 08		456,705,529 00
Total Qual. & Nonqual.	\$	648,790,402 40	\$ 1,086,913,131 90	\$	968,280,771 14
			 	_	
San Onofre 2 & 3		589,616,561.58	954,515,832 40		855,727,910 72
Capital Gains Tax Rates					
Qualified		·····			
Federal		20 00%			
State		8 84%			
Combined		27 07%			
Nonqualified					
Federal		35 00%			
State		8 83%			
Combined		40 74%			

#### SDG&E Nuclear Decommissioning Trust 09-30-2014 Liquidation Value Calculation

		% of		% of	Liquidation
Qualified Trust	Cost	Fund	Market Value	Fund	Value*
Fixed Income	\$ 425,604,309.32	66.5%	\$ 438,381,344.56	40.7%	\$ 434,922,345.58
Payden & Rygel	\$ 44,377,258 97		\$ 44,973,160 31		\$ 44,811,837 90
AllianceBernstein	\$ 92,274,206 65		\$ 97,395,702 56		\$ 96,009,211 19
Lazard	\$ 45,575,714 17		\$ 44,377,958 49		\$ 44,702,214 91
PIMCO	\$ 90,568,325 41		\$ 91,210,568 61		\$ 91,036,700 53
Neuberger Berman	\$ 79,177,640 76		\$ 79,957,014 97		\$ 79,746,022 78
JP Morgan	\$ 73,631,163 36		\$ 80,466,939 62		\$ 78,616,358 27
U S Equity	\$ 112,564,366 19	17 6%	\$ 453,179,512.86	42.0%	\$ 360,968,180 35
SSGA	\$ 112,564,366 19		\$ 453,179,512 86		\$ 360,968,180 35
International	\$ 101,835,377.28	15.9%	\$ 186,392,402.29	17.3%	\$ 163,501,124.48
SSGA	\$ 101,835,377 28		\$ 186,392,402 29		163,501,124 48
Qualified Trust Total	\$ 640,004,052.79	100.0%	\$ 1,077,953,259.71	100.0%	\$ 959,391,650 41
				ĺ	
Nonqualified Trust					
U.S. Equity	\$ 1,858.34	0.0%	\$ 2,456.63	0 0%	\$ 2,212.89
SSGA	\$ 1,858 34		\$ 2,456 63		\$ 2,212 89
Fixed Income	\$ 8,784,491.27	100.0%	\$ 8,957,857 16	100.0%	\$ 8,887,228.76
ALLIANCE BERNSTEIN	\$ 8,784,491 27		8,957,857 16		\$ 8,887,228 76
Total Nonqualified Trust	\$ 8,786,349.61	100.0%	\$ 8,960,313.79	100.0%	\$ 8,889,441.65
Total Trust	\$ 648,790,402.40		\$ 1,086,913,573.50		\$ 968,281,092.07

Capital Gains Tax Rate	s	
Qualified		
Federal		20 00%
State		8 <u>84%</u>
Combined		27 07%
Nonqualified		
Federal		35 00%
State		8 83%
Combined		40 74%
Unrealized Gains	\$	438,123,171 10

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# Unit 2 Contributions

#### Page 8 of 58

SONCE 2 Contributions		(3 months)		
SONGS 2 -Contributions	Allocations	2014	2015	Total
Qualified Trust				
Equity	60%	851	3,406	
Fixed Income	40%	568	2,270	
Total Qualified Trust	100%	1,419	5,676	
Nonqualified Trust				
Fixed Income	100%	40	158	
Total Unit 2		1,459	5,834	7,293

### **SONGS 3** -Contributions

Qualified Trust				
Equity	60%	336	1,343	
Fixed Income	40%	224	895	
Total Unit 3	100%	560	2,238	2,798

### SONGS 2 & 3 -Contributions

Unit 3 Total	560	2,238_1
Total	2,018	8,072

#### Notes:

1. Authorized Contribution from 09-04-009 Exhibit No. SDG&E 20

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A.09-04-009 Exhibit No. SDG&E-20 Witness: Exhibit of Counsel/Nelson April 5, 2010

#### Application 09-04-009 San Diego Gas & Electric Company Updated Annual Nuclear Decommissioning Trust Contributions Under Settlement Agreement

	Annual Co	ntributions Proposed for (\$000)	May 1, 2010		
	San On	ofre Unit 2	San Onofre Unit 2 3		
	Qualified Trust	Non-Qualified Trust	Qualified	Total	
Contributions	5,676	158	2,238	8,072	
Revenue Requirement	5,743	160	2,264	8,167	/

Input Assumptions Based upon Settlement Agreement Provisions:

- Recorded Trust Liquidation Values as of December 31, 2009, adjusted for tax refund adjustment
- 6.93 percent escalation rate for low-level radioactive waste burial costs
- 8.75 percent per annum return on equity investments
- 4.20 percent per annum return on investments in debt securities
- Fifty percent cash in portfolio starting in Year 2030
- Note: Revenue requirement adjusts contributions to reflect franchise fees and uncollectibles charged through the SDG&E NDAM rate

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# Unit 2 Returns

### **SONGS 2 - Returns**

		Qualified Trust		Nonqualified Trust	
	Eq	uity	Fixed Income	Fixed Income	
	1 96% Dividend	5 18% Price Appreciation	3 09% (2014 - 2047)	2 63% After Tax Return	Total Returns
			2.76% (2048 - 2052) Interest Earned (After		
Year			Tax)		
2014	869	3,154	1,052	5	5,080
2015	3,066	11,129	3,799	4	17,998
2016	2,876	10,439	3,597	1	16,912
2017	2,459	8,925	3,706	0	15,090
2018	2,025	7,350	3,868	0	13,243
2019	1,639	5,949	3,997	0	11,584
2020	1,236	4,488	3,889	0	9,613
2021	921	3,344	3,788	0	8,053
2022	873	3,170	3,587	0	7,631
2023	778	2,824	3,210	0	6,812
2024	685	2,486	2,814	0	5,985
2025	644	2,337	2,644	0	5,625
2026	619	2,248	2,541	0	5,409
2027	605	2,197	2,483	0	5,285
2028	583	2,114	2,391	0	5,088
2029	533	1,934	2,192	0	4,659
2030	459	1,666	1,889	0	4,014
2031	407	1,477	1,671	0	3,556
2032	394	1,429	1,614	0	3,437
2033	395	1,434	1,619	ů 0	3,448
2034	398	1,445	1,631	ů 0	3,474
2035	401	1,455	1,643	0	3,498
2036	403	1,463	1,652	0	3,519
2037	405	1,470	1,660	0	3,534
2038	406	1,475	1,666	0	3,548
2039	408	1,480	1,672	0	3,560
2040	409	1,484	1,676	0	3,569
2041	410	1,487	1,679	0	3,575
2042	410	1,488	1,681	0	3,579
2043	410	1,489	1,681	0	
2044	410	1,488	1,681		3,580
2045	409	1,486	1,678	0 0	3,579
2046	408	1,480	1,674		3,574
2047	403	1,482	1,669	0	3,565
2047	407	1,471	1,609	0	3,553
2048	403			0	3,376
2049	0	0	2,093	0	2,093
2050	0	0	1,927	0	1,927
2051	0	0	1,704	0	1,704
Totals	28,165	0 102,235	<u>1,636</u> <b>88,555</b>	<u>0</u> 9	<u> </u>

						SONGS 2 Q (Market Va	-						
Year	Beginning Of Year Balance	Rebalance Withdrawal	Capital Gain Tax, Rebalance Withdrawal	Contribution	Decommission - ing Withdrawal	Capital Gains Tax, Decommission - ing Withdrawal	1 96% Dividend	5.18% Price Appreciation	Unrealized Gain	Realized Gain (Turnover)	Capital Gains Tax on Realized Gain	Realized Gain (After Tax)	End Of Year Balance
201409	- i dat Dunantee			Contribution	ing malandiana	ing matura			om datable data	(100000)	000	(12,00,12,0)	262,462
2014	262,462	0	0	851	-32,199	-6,785	869	3,154	146,825	7,341	-1,987	5,354	226,366
2014	226,366	0	0	3,406		-4,463	3,066	11.129	,	26,825		19,563	209,950
2016	209,950	Ő	0 0	0	,	-2,373	2,876	10,439		21,795		15,895	200,212
2010	200,212	-14,615	•	0		-2,704	2,459	8,925	,	15,781			167,820
2018	167,820	-17,631	-1,999	0		-1,305	2,025	7,350		11,653		8,499	141,589
2019	141,589	-17,327	-1,695	0			1,639	5,949	,	8,231			112,302
2020	112,302	-15,709	-1,354	0		-1,375	1,236	4,488		5,466			82,156
2021	82,156	-13,332	-1,035	0	· · ·	-472	921	3,344		3,928		2,865	64,437
2022	64,437	-738	-52	0		-329	873	3,170	17,475	3,495	-946	2,549	61,761
2023	61,761	-824	-54	0	-12,028	-785	778	2,824	13,705	2,741	-742	1,999	50,930
2024	50,930	-469	-29	0	-4,659	-288	685	2,486	12,278	2,456	-665	1,791	47,991
2025	47,991	-680	-40	0	-4,132	-242	644	2,337	11,116	2,223		1,621	45,274
2026	45,274	-676	-38	0	-2,249	-126	619	2,248	10,535	2,107	-570	1,537	44,483
2027	44,483	-730	-39	0	-2,535	-137	605	2,197	9,973	1,995	-540	,	43,304
2028	43,304	-716	-38	0	-3,343	-175	583			1,861			41,225
2029	41,225	-671		0	0,001		533	,		1,619			36,144
2030	36,144	-525		0	0,000		459	1,666		1,360			30,427
2031	30,427	-413		0	_,		407	1,477		1,261		920	28,547
2032	28,547	-461		0	<i>,</i>		394	, .		1,243			28,557
2033	28,557	-505		0	•		395	,		1,237			28,787
2034	28,787	-518		0									29,001
2035	29,001	-524		0	100			,					29,202
2036	29,202	-530			000			,		1,232			29,341
2037	29,341	-533					405						29,465
2038	29,465	-536		0			406						29,570
2039	29,570	-538		0			408	,		1,233			29,657
2040	29,657	-540		0						1,234 1,234			29,723 29,768
2041	29,723 29,768	-541 -542		0	,,,,		410 410		-	-			29,788
2042	29,788 29,789	-542 -542		0	552					,			29,789
2043	29,789	-542 -542		0									29,788
2044	29,786	-542 -541		•			410	,	,				
2043	29,702	-540						,					29,617
2040	29,702	-538											
2047	29,501	-535		0	,		407	,	,	1,214			29,353
2040	29,353	-28,038		•				,		1,21		0	0
2050	29,555	20,050			•		0		-	(		*	0
2050	0	0	=		•	-	0			(		ů 0	ő
2051	0	0	•	-	-		0		-			ů 0	ő
1 2052	Ū	Ū	0	Ŭ		Ū	Ū		•			Ū	Ů
Totals		-122,101	-10,152	4,257	-201,662	-24,473	28,165	102,235	825,457	143,068	3 -38,731	104,336	

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	SONGS 2 Qualified Trust Fixed Income (Liquidation Value Starting Balance)								
					3.09% (2014 - 2047)				
					2,76%				
					(2048 - 2052)				
	Beginning Of	Rebalance		Decommission -	Interest Earned	End Of Year			
Year	Year Balance	Contribution	Contribution	ing Withdrawal	(After Tax)	Balance			
201409					L	178,48			
2014	178,480	0	568	-21,896	1,052	158,20			
2015	158,203	0	2,270	-15,579	3,799	148,69			
2016	148,694	0	0	-10,467	3,597	141,82			
2017	141,824	14,615	0	-17,236	3,706	142,90			
2018	142,908	17,631	0	-12,474	3,868	151,93			
2019	151,933	17,327	0	-19,654	3,997	153,60			
2020	153,603	15,709	0	-28,357	3,889	144,84			
2021	144,844	13,332	0	-14,192	3,788	147,77			
2022	147,772	738	0	-10,860	3,587	141,23			
2023	141,237	824	0	-28,066	3,210	117,20			
2024	117,205	469	0	-10,871	2,814	109,61			
2025	109,617	680	0	-9,642	2,644	103,29			
2026	103,299	676	0	-5,247	2,541	101,26			
2027	101,269	730	0	-5,914	2,483	98,56			
2028	98,567	716	0	-7,801	2,391	93,87			
2029	93,874	671	0	-14,213	2,192	82,52			
2030	82,524	525	0	-15,367	1,889	69,57			
2031	69,571	413	0	-6,635	1,671	65,02			
2032	65,020	461	0	-2,204	1,614	64,89			
2033	64,890	505	ů	-1,630	1,619	65,38			
2034	65,384	518	0	-1,671	1,631	65,86			
2035	65,862	524	ů	-1,717	1,643	66,31			
2036	66,312	530	0	-1,867	1,652	66,62			
2037	66,628	533	0	-1,915	1,660	66,90			
2038	66,905	536	0	-1,963	1,666	67,14			
2039	67,144	538	0	-2,013	1,672	67,34			
2040	67,340	540	0	-2,065	1,676	67,49			
2041	67,491	541	0	-2,120	1,679	67,59			
2042	67,591	542	0	-2,174	1,681	67,64			
2043	67,640	542	ů 0	-2,229	1,681	67,63			
2044	67,635	542	0	-2,286	1,681	67,57			
2045	67,572	541	0	-2,345	1,678	67,44			
2046	67,447	540	ů 0	-2,405	1,674	67,25			
2047	67,255	538	ů	-2,467	1,669	66,99			
2048	66,994	535	0	-2,531	1,500	66,49			
2049	66,499	28,038	Ő	-4,172	2,093	92,45			
2050	92,459	20,020	ů 0	-14,690	1,927	79,69			
2051	79,696	0	0	-8,893	1,704	72,50			
2052	72,507	0	0	-527	1,636	73,61			
otals L		122,101	2,838	-318,357	88,555				

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	SONGS 2 Nonqualified Trust (Liquidation Value Starting Balance)							
Year	Beginning Of Year Balance	Tax Benefit, Prior-Year Withdrawal	Contrabutor	2.63% After Tax Return	Decommission -ing Withdrawal	End Of Year Balance		
201409	Tear Datailee	wituutawat	Contribution	ALLEI TAX KELUID	windrawai			
	(70)	0	40	-		672		
2014	672	0	40	5	-717	(		
2015	0	63	158	4	-225	(		
2016 2017	0	20		1	-20	(		
2017	0	2		0	-2	0		
2018	0	0		0	0	(		
2019	0	0		0	0			
2020	0	0		0	0	(		
2021	0	0		0	0			
2022	0	0		0	0	C C		
2023	0	0		0	0	0		
2024	0	0		0	0	0		
2025	0 0	0		0	0	0		
2020	0	0		0	0	0		
2028	0	0		0	0	0		
2029	0	0		0	0	(		
2030	0	0		0	0	0		
2031	0 0	0		0	0	0		
2032	0	ů 0		0	ů 0	C		
2033	0 0	0		0	0	C		
2034	Ő	0		0	0	(		
2035	0	0 0		ů 0	ů 0	(		
2036	0	0		0	0	C		
2037	0	0		0	0	C		
2038	0	0		0	0	(		
2039	0	0		0	0	C		
2040	0	0		0	0	C		
2041	0	0		0	0	C		
2042	0	0		0	0	C		
2043	0	0		0	0	(		
2044	0	0		0	0	(		
2045	0	0		0	0	C		
2046	0	0		0	0	C		
2047	0	0		0	0	(		
2048	0	0		0	0	C		
2049	0	0		0	0	0		
2050	0	0		0	0	C		
2051	0	0		0	0	0		
2052	0	0		0	0	C		
Fotals	L	85	198	9	-964			

#### SONGS -Projected Rates of Return

#### **Qualified Equity**

Benchmarks	Asset Allocation	Mercer	Aon Hewitt	Russell	Callan	LCG	Weighted Average
	Asset Allocation	20 yr	30 yr	20 уг	10 yr	10 yr	weighten Average
Domestic All Cap Equity	70%	6 70%	6 54%	7 60%	7 60%	7 10%	4 98%
International All Cap Equity	30%	7 70%	7 24%	7 80%	7 80%	7 90%	2 31%
Total Equity	100%						7.28%
Qualified Fixed Income: 2014 - 2047							
Benchmarks		Mercer	Aon Hewitt	Russell	Callan	LCG	Marchand Arrange
Sencrimarks	Asset Allocation	20 yr	30 yr	20 yr	10 yr	10 yr	Weighted Average
Intermediate Muni	45%	3 30%	3 30%	3 40%	3 00%	2 10%	1 36%
Intermediate Credit	45%	4 30%	3 30%	3 90%	3 00%	3 20%	1 59%
Short Duration Govt/Credit	10%	3 60%	2 40%	3 50%	2 40%	2 00%	0 28%
Total Fixed Income	100%						3.23%
Qualified Fixed Income: 2048 -2052							
		Mercer	Aon Hewitt	Russell	Callan	LCG	
Benchmarks	Asset Allocation	20 yr	30 yr	20 yr	10 yr	10 yr	Weighted Average
Intermediate Muni	50%	3 30%	3 30%	3 40%	3 00%	2 10%	1 51%
Short Duration Govt/Credit	50%	3 60%	2 40%	3 50%	2 40%	2 00%	1 39%
Total Fixed Income	100%						2.90%
Nongualified Fixed Income							
		Mercer	Aon Hewatt	Russell	Callan	109	

Benchmarks	Asset Allocation	Mercer	Aon Hewitt	Russell	Callan	LCG	Weighted Average
Benchmarks	Asset Allocation	20 yr	30 уг	20 yr	10 уг	10 yr	weighted Average
Intermediate Muni	100%	3 30%	3 30%	3 40%	3 00%	2 10%	3.02%

#### 1. Returns After Fees and Taxes

		Qualified Fixed Income Total	Qualified Fixed Income Total	Nongualified Fixed
	Qualified Equity	(2014 - 2047)	(2048 - 2052)	Income
Pre-Tax Return	7 28%	3 23%	2 90%	3 02%
Management Fees	0 14%	0 14%	0 14%	0 14%
After Fee Return	7 14%	3.09%	2.76%	2 88%
Taxes				8 84%
After Fee & Taxes Return				2.63%

#### 2. Qualified Equity Return Components for Model

Dividend Rate	1.96%
Appreciation Rate	5.18%
Qualified Equity After Fee Return	7 14%

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#### **SONGS - Projected Rates of Return**

#### 3. Dividend Component of Qualified Equity Return

Global Insight 30 y	yr S&P 500 Dividend Yield Forecast	

Year		Dividend Yield (Annual rate)
	2014	2 04%
	2015	1 98%
	2016	1 <del>9</del> 6%
	2017	1 96%
	2018	1 96%
	2019	1 <del>9</del> 6%
	2020	1 96%
	2021	1 96%
	2022	1 97%
	2023	1 98%
	2024	1 98%
	2025	2 00%
	2026	2 00%
	2027	2 00%
	2028	2 00%
	2029	2 00%
	2030	1 99%
	2031	1 99%
	2032	1 99%
	2033	1 98%
	2034	1 98%
	2035	1 97%
	2036	1 96%
	2037	1 96%
	2038	1 95%
	2039	1 94%
	2040	1 93%
	2041	1 93%
	2042	1 92%
	2043	1 92%
	2044	1 92%
	2045	1 92%
	2046	1 92%
	2047	1 92%
	2048	1 92%
	2049	1 92%
	2050	1 92%
	2051	1 92%
	2052	1 92%
Average	=	1 96%

#### 4. Taxes

Equity	Tax Rate
Federal	20 00%
State	8 84%
Composite Rate	27 07%

Fixed Income (2014 - 2047)	Tax Rate	Weights	Weighted Rates
Other Fixed Income	27 07%	55%	14 89%
Municipal Fixed Income	8 84% _	45%	3 98%
Total			18 87%

Fixed Income (2048 -2052)	Tax Rate	Weights	Weighted Rates
Short Duration Govt/Credit	27 07%	50%	13 54%
Municipal Fixed Income	8 84%	50%	4 42%
Total			17 96%

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# Unit 2 Decommissioning Costs

r				
	SONGS 2 -2	0% of Energy	Solutions Dec	ommissioning
		0% SDG&E I		
Year	Labor	Burial	Other	Total
2014	28,491	2,914	23,406	54,811
2015	14,975	24	23,096	38,095
2016	18,310	791	6,165	25,267
2017	18,309	10,187	8,975	37,471
2018	17,157	1,842	4,989	23,989
2019	16,868	6,539	10,479	33,887
2020	23,846	9,535	10,927	44,308
2021	13,369	2,318	4,587	20,274
2022	11,498	1,355	2,661	15,514
2023	12,914	22,040	5,141	40,094
2024	8,956	2,478	4,096	15,529
2025	6,686	1	7,088	13,775
2026	4,854	1	2,641	7,496
2020	5,135	- 1	3,313	8,449
2028	6,246	1	4,896	11,144
2020	6,845	1	13,458	20,305
2029	6,709	1	15,243	21,953
2030	6,655	1	2,823	9,479
2031	2,106	1	1,042	3,149
2032	1,653	-	676	2,329
2033	1,000	_	688	2,388
2034	1,752	_	701	2,355
2033	1,752	-	758	2,455
		-	753	2,735
2037 2038	1,963 2,018	-	787	2,755
2038 2039	2,018	-	801	2,805
2039	2,073	-	816	2,870
	2,135	-	810	3,028
2041		-	847	3,028 3,106
2042	2,259	-	847	3,100 3,184
2043	2,322	-	862 878	3,164
2044	2,388	-	878 894	3,200 3,350
2045	2,456	-		3,330 3,436
2046	2,526	-	911	
2047	2,597	-	927	3,525
2048	2,671	-	945	3,616
2049	3,130	-	1,041	4,172
2050	7,874	659	6,157	14,690
2051	5,112	5	3,776	8,893
2052	-	-	527	527
	280,667	60,696	179,621	520,984

Escalated Nominal SONGS 3 20% of Energy Solutions Decommission Costs + 100% SDG&E Internal Costs Escalated SONGS 3 20% of Energy Solutions Decommissioning Costs + 100% SDG&E Internal Costs Nominal (20145) SONGS 2 -20% of Energy Solutions Decommissi SONGS 2 20% of Energy Solutions Dec ONGS 2 Energy Solutions Dec Energy Se ng C 00% Share Nominal (20145) 100% Share Nominal (20145) Unit 2 SDG&E Internal Costs Nominal (20145) Unit 3 SDG&E Costs -Nominal (20145 outs + 100% SDG&E Internal Casts -Nominal (2014 Costs + 100% SDG&E Internal Costs -Escalated Tote] 276,828 Oller Labo <u>Labor</u> <u>128</u> 491 14 603 17 367 16 851 15 351 14 618 20 049 10 915 9 147 6 707 4 863 3 430 3 525 4 171 4 484 4 483 4 684 4 171 4 483 4 084 1 736 1 018 1 0 otal 56,352 Leber 284-91 14975 284-91 18,310 18,310 18,310 18,310 18,310 18,310 18,310 18,310 18,310 19,314 19,3 
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693 +80 +42 432 287 272 300 320 255 284 266 287 139 136 152 120 121 138 142 39 946 31 003 182,943 117,579 173 168 106 828 195,509 151 083 108 835 150 753  $\begin{array}{c} 112,021\\ 92,086\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 42,046\\ 44,046$  $\begin{array}{c} 70\ x055\\ 44\ 671\\ 82,825\\ 55\ 275\ 277\\ 9R\ 645\\ 84\ 671\\ 82,825\\ 55\ 575\ 275\\ 44\ 311\\ 16\ 455\\ 16\ 445\\ 12\ 22,884\\ 44\ 316\ 6455\\ 16\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 44\ 316\ 443\\ 12\ 22,884\\ 48\ 35\ 36\ 843\\ 56\ 853\ 853\\ 56\ 853\ 853\\ 56\ 853\ 853\ 853\ 853\ 853\ 8$ 765 9 659 1 712 5 965 R 527 2,031 1 165 18 602 2 052 || 5 951| || 6 128 || 2,556 || 4 905 || 9,576 || 9,576 || 9,576 || 1 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121 275 423,95 275 \$27 527 527 592,967 275 228,500 3/54 53 62.11 225 42 61 476 474.84 1 051 885 215 85 267.37 2 050 735 8 741 Unit 2 & 3 Energy Solutions Total 4411,246 Unit 2 & 3 SDG&E Internal Costs Total 16 549 Uni 2 & 3 20 / Energy Solutions + SDG&E Inte Unit 2 & 3 20% Energy Solutions + SDG&E Internal Custs Total 1113,051

Units 2 & 3 Decommissioning Costs -Nominal and Escalated

nal Costs Tota 898 798 882.245

20% of 88 Costs 100% SDG&E Internal Costs Check 16 \$49 898 798 Check Figure from model 898 798 Page 19 of 58

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# Table 6-13Cost and Schedule Summary(2014 Dollars in Thousands)

PeriodNo	Period Description	Sterne .	<u>lu</u> nd	YOURS	Unit 2 Cost	. Unit & Cost	Total Cost
License Terr	mination (50.75(c))						
Decon Pd 1	Transition to Decommissioning	6/7/2013	12/31/2013	0 56	\$25,749	\$26,566	\$52,315
Decon Pd 2	Decommissioning Planning and Site Modifications	1/1/2014	6/30/2015	1 49	\$118,709	\$122,430	\$241,140
Decon Pd 3	Decommissioning Preparations and Reactor Internals Segmentation	6/30/2015	6/1/2019	3 92	\$262,210	\$276,799	\$539,009
Decon Pd 4	Plant Systems and Large Component Removal	6/1/2019	9/24/2022	3 31	\$392,029	\$412,475	\$804,504
Decon Pd 5	Building Decontamination	9/24/2022	7/13/2024	1 80	\$212,447	\$216,659	\$429,106
Decon Pd 6	License Termination During Demolition	7/13/2024	12/24/2032	8 44	\$23,085	\$23,085	\$46,171
Account Tot	al			19.52	\$1,034,230	\$1,078,016	\$2,112,246
Spent Fuel (	50.54(bb)) and (72.30)						
SNF Pd 1	Spent Fuel Management Transition	6/7/2013	12/31/2013	0 56	\$63,891	\$66,105	\$129,997
SNF Pd 2	Spent Fuel Transfer to Dry Storage	1/1/2014	6/1/2019	5 41	\$344,629	\$372,193	\$716,822
SNF Pd 3	Dry Storage During Decommissioning - Units 1, 2 and 3	6/1/2019	12/5/2031	12 51	\$61,425	\$61,425	\$122,849
SNF Pd 4	Dry Storage Only - Units 1, 2 and 3	12/5/2031	12/31/2035	4 07	\$29,383	\$29,383	\$58,765
SNF Pd 5	Dry Storage Only - Units 2 and 3	12/31/2035	12/31/2049	14.00	\$107,326	\$107,326	\$214,653
SNF D&D Pd 1	ISFSI License Termination	12/31/2049	5/6/2050	0 34	\$1,260	\$1,260	\$2,520
SNF D&D Pd 2	ISFSI Demolition	5/6/2050	9/8/2051	1 34	\$15,295	\$15,295	\$30,590
Account Tot				38.23	\$623,209	\$652,987	\$1,276,196
Site Restorat		<i>C 17 10</i> 01 0	(100/0015	2.07	<u> </u>		<u> </u>
SR Pd 1	Transition to Site Restoration	6/7/2013	6/30/2015	2 06	\$64,280	\$66,210	\$130,489
SR Pd 2	Building Demolition During Decommissioning	6/30/2015	7/11/2017	2 03	\$13,003	\$37,242	\$50,245
SR Pd 3	Subsurface Demolition Engineering and Permitting Building Demolition to 3 Feet	10/1/2019	7/13/2024	4 78	\$15,593	\$22,319	\$37,912
SR Pd 4	Below Grade Subgrade Structure Removal	7/13/2024	10/14/2028	4 25	\$124,953	\$134,113	\$259,066
SR Pd 5	Below - 3 Feet Final Site Restoration and	10/14/2028	12/5/2031	3 14	\$171,987	\$269,560	\$441,547
SR Pd 6	Lease Termination	5/6/2050	12/15/2051	1.60	\$33,482	\$70,064	\$103,545
						\$599,507	\$1,022,804
Grand Total	[ = <u></u>				\$2,080,735	\$2,330,511	\$4,411,246

<sup>&</sup>lt;sup>3</sup> Rows and columns may not add correctly due to rounding.

#### SDG&E SONGS Detailed Annual Expenditures

Base Case Prompt DECON, Time Reasonable Schedule, DOE Repository Opening 2024, Utility and DGC, Dry Storage (2014 Dollars in Thousands)

#### Unit 2

Г	License Termination			Spent Fuel	Management		Site Rest	oration			ISFSI D&D	
- Year - T	Labor	W Bunal	Other	Labor	v Burial	Other	Labor Labor	V BUrra	Other	Labor	LLRW Buria	Other
2013	\$26	\$0	\$11	\$93	\$0	\$17	\$0	\$0	\$86	\$0	\$0]	\$0
2014	\$240	\$0	\$161	\$122	\$0	\$85	\$0	\$0	\$108	\$0	\$0	\$0
2015	\$281	\$0	\$76	\$153	\$0	\$259	\$8	\$0	\$20	\$0	\$0	\$0}
2016	\$166	\$0	\$107	\$254	\$0	\$56	\$13	\$0	\$7	\$0	\$0	\$0 \$0
2017	\$110	\$0	\$138	\$172	\$0	\$41	\$4	\$0	\$3	\$0	, <b>\$</b> 0	\$0
2018	\$92	\$0)	\$63	\$180	\$0	\$45	\$0	\$0	\$0	\$0	\$0	\$0
2019	\$202	\$0)	\$88	\$98	\$0	\$12	\$0	\$0	\$40	\$0	\$0	\$0 \$0
2020	\$305	\$0	\$171	\$14	\$0	\$2	\$0	\$0	\$0	\$0	\$0	\$0
2021	\$183	\$0	\$70	\$16	\$0	\$2	\$0	\$0	\$0	\$0	\$0	\$0
2022	\$230	\$0	\$50	\$25	\$0	\$3	\$0	\$0	\$10	\$0	\$0	\$0)
2023	\$258	\$0	\$120	\$26	\$0	\$3,	\$0	\$0	\$0	\$0	\$0	\$0
2024	\$173	\$0	\$30	\$37	\$0	\$2	\$57	\$0	\$45	\$0	\$0	\$0
2025	\$14	\$0	\$5	\$55	\$0	\$1	\$218	\$0	\$78	\$0	\$0	\$0
2026	\$9	\$0	\$7	\$37	\$0	\$2	\$92	\$0	\$32	\$0	\$0	\$0}
2027	\$9	\$0	\$6	\$35	\$0	\$1	\$92	\$0	\$33	\$0	\$0	\$0
2028	\$8	\$0	\$5	\$33	\$0	\$1	\$110	\$0	\$48	\$0	\$0	\$0
2029	\$6	\$0	\$1	\$24	\$0	\$0	\$89	<b>\$0</b> {	\$29	\$0	\$0	\$0
2030	\$6 <sup>1</sup>	\$0	\$1	\$26	\$0	\$01	\$89	\$0	\$31	\$0	\$0	\$0)
2031	\$4	\$0	\$6	\$31	\$0	\$2	\$103	\$0)	\$33	\$0	\$0	\$0
2032	\$20	\$0	\$11	\$122	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0 \$0
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2035	\$0	\$0 <sup>1</sup>	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2036	\$0	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0 \$0
2037	\$0 <sup>1</sup>	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	
2038	\$0	\$0	\$0	\$0	\$0	\$16 <sup>1</sup>	\$0	\$0]	\$0	\$0	\$0	\$0
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2043	\$0	\$0	\$0	\$0	\$0	\$16,	\$0	\$0	\$0	\$0	\$0	\$0
2044	\$0	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2045	\$0	\$0	\$0	\$0	\$0	\$16	\$0	_\$0	\$0	\$0	\$0	\$0
2046	\$0¦	\$0	\$0	\$0	\$0	\$16	\$0	\$0,	\$0	\$0	\$0	\$0
2047	\$0!	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2048	<b>\$</b> 0 <sup>1</sup>	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2049	<u>\$0'</u>	\$0	\$0	\$142	\$0	\$59	\$0	\$0	\$0	\$ <u>0</u>	\$0	\$0
2050	\$0;	\$0	\$0	\$58	\$0	\$14	\$83	\$0	\$41	\$0	\$0	\$0
2051	\$0	\$0	\$0	\$30	\$0	\$9	\$34	\$0	\$26	\$0	\$0	\$0
2052	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 <b>\$0</b>
<u>.</u>	\$2,342	\$0	\$1,128	\$1,785	\$0	\$890	\$992	\$0	\$670	\$0	\$0	\$0¦

Total SDG&E Costs for Unit 2 \$7,808 Units 2 & 3 Total \$16,549

Escalation Rates								
Year	Labor	Burial	Other					
2011								
2012								
2013								
2014								
2015	2.55%	1.74%	1.48%					
2016	2.81%	1.75%	1.47%					
2017	3.05%	1.88%	1.44%					
2018	3.03%	2.01%	1.51%					
2019	3.09%	1.89%	1.45%					
2020	3.07%	2.01%	1.56%					
2021	2.98%	2.05%	1.66%					
2022	2.96%	1.89%	1.53%					
2023	2.94%	↓ 1.90%	1.58%					
2024	2.86%	1.90%	1.53%					
2025	2.96%	2.00%	1.62%					
2026	2.94%	2.06%	1.72%					
2027	2.91%	7.33%	1.70%					
2028	2.83%	7.33%	1.69%					
2029	2.86%	7.33%	1.68%					
2030	2 89%	7.33%	1.68%					
2031	2.81%	7.33%	1.71%					
2032	2.83%	7 33%	1.74%					
2033	2.85%	7.33%	1.79%					
2034	2.82%	7.33%	1.76%					
2035	2.84%	7.33%	1.79%					
2036	2.89%	7.33%	1.82%					
2037	2.86%	7.33%	1.87%					
2038	2.82%	7.33%	1.85%					
2039	2.83%	7.33%	1.82%					
2040	2.87%	7.33%	1.83%					
2041	2.91%	7.33%	1.90%					
2042	2.82%	7,33%	1.85%					
2043	2.78%	7.33%	1.82%					
2044	2.85%	7.33%	1.84%					
2045	2.84%	7.33%	1.85%					
2046	2.84%	7.33%	1.85%					
2047	2.84%	7.33%	1 <b>.85%</b>					
2048	2.84%	7.33%	1.85%					
2049	2.84%	7.33%	1.85%					
2050	2.84%	7.33%	1.85%					
2051	2.84%	7.33%	1.86%					
2052	2.84%	7.33%	1.86%					

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# Unit 2 Taxes

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### **SONGS 2 - Taxes**

	Nonqualified Trust		Qualified Trust		
	Fixed Income		Equity		
Total Taxes	Tax Benefit, Prior- Year Withdrawal	Capital Gains Tax on Realized Gain	Capital Gains Tax, Decommissioning Withdrawal	Capital Gain Tax, Rebalance Withdrawal	Year
(8,772		(1,987)	(6,785)	_	2014
(11,662	63	(7,262)	(4,463)	-	2015
(8,254	20	(5,900)	(2,373)	-	2016
(8,927	2	(4,272)	(2,704)	(1,953)	2017
(6,459	0	(3,155)	(1,305)	(1,999)	2018
(5,316	0	(2,228)	(1,393)	(1,695)	2019
(4,209	0	(1,480)	(1,375)	(1,354)	2020
(2,57)	0	(1,063)	(472)	(1,035)	2021
(1,327	0	(946)	(329)	(52)	2022
(1,58)	0	(742)	(785)	(54)	2023
(982	0	(665)	(288)	(29)	2024
(884	0	(602)	(242)	(40)	2025
(735	0	(570)	(126)	(38)	2026
(716	0	(540)	(137)	(39)	2027
(717	0	(504)	(175)	(38)	2028
(786	0	(438)	(313)	(34)	2029
(731	0	(368)	(336)	(27)	2030
(507	0	(341)	(145)	(21)	2031
(407	0	(336)	(47)	(23)	2032
(394	0	(335)	(35)	(25)	2033
(394	0	(334)	(35)	(25)	2034
(395	0	(334)	(36)	(25)	2035
(397	0	(334)	(38)	(25)	2036
(398	0	(334)	(39)	(25)	2037
(399	0	(334)	(40)	(25)	2038
(400	0	(334)	(41)	(25)	2039
(401	0	(334)	(42)	(25)	2040
(402	0	(334)	(43)	(25)	041
(403	0	(334)	(44)	(25)	2042
(404	0	(334)	(45)	(25)	2043
(405	0	(333)	(46)	(25)	044
(405	0	(333)	(47)	(25)	2045
(405	0	(332)	(48)	(25)	2046
(405	0	(330)	(50)	(25)	2047
(405	0	(329)	(50)	(25)	2048
(1,315	0	(0)		(1,315)	2049
(1,313)	0	(0)	(0)		2050
	0		(0)	(0)	2050
() (0	0	(0) (0)	(0) (0)	(0) (0)	2051
(73,271	85	(0) (38,731)	(0) (24,473)	(10,152)	otals

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	SONGS 2 Qualified Trust Equity (Market Value Starting Balance)												
Уеаг	Beginning Of Year Balance	Rebalance Withdrawal	Capital Gain Tax, Rebalance Withdrawal	Contribution	Decommission - ing Withdrawal	Capital Gains Tax, Decommission - ing Withdrawal	l 96% Dıvıdend	5 18% Price Appreciation	Unrealized Gain	Realized Gain (Turnover)	Capital Gains Tax on Realized Gain	Realized Gain (After Tax)	End Of Year Balance
201409													262,46
2014	262,462	0	0	851	-32,199	-6,785	869	3,154	146,825	7,341	-1,987	5,354	226,36
2015	226,366	0	0	3,406		-4,463	3,066	11,129	134,127	26,825		19,563	209,95
2016	209,950	0	0	0	,	-2,373	2,876	10,439	108,974	21,795	-5,900	15,895	200,21
2017	200,212	-14,615	-1,953	0	-20,233	-2,704	2,459	8,925	78,903	15,781	-4,272	11,508	167,82
2018	167,820	-17,631	-1,999	0	-11,515	-1,305	2,025	7,350	58,267	11,653	-3,155	8,499	141,58
2019	141,589	-17,327	-1,695	0	-14,232	-1,393	1,639	5,949	41,156	8,231	-2,228	6,003	112,30
2020	112,302	-15,709	-1,354	0	-15,951	-1,375	1,236	4,488	27,330	5,466	-1,480		82,15
2021	82,156	-13,332	-1,035	0	-6,082	-472	921	3,344	19,640	3,928	-1,063	2,865	64,43
2022	64,437	-738		0	-4,654	-329	873	3,170	17,475	3,495	-946	2,549	61,76
2023	61,761	-824	-54	0	-12,028	-785	778	2,824	13,705	2,741	-742	1,999	50,93
2024	50,930	-469	-29	0	-4,659	-288	685	2,486	12,278	2,456	-665	1,791	47,99
2025	47,991	-680		0	-4,132	-242	644	2,337	11,116	2,223	-602	1,621	45,27
2026	45,274	-676	-38	0	-2,249	-126	619	2,248	10,535	2,107	-570	1,537	44,48
2027	44,483	-730	-39	0	-2,535	-137	605	2,197	9,973	1,995	-540	1,455	43,30
2028	43,304	-716		0	-3,343	-175	583	2,114	9,305	1,861	-504	1,357	41,22
2029 2030	41,225	-671	-34	0	-6,091	-313	533	1,934	8,095	1,619	-438	1,181	36,14
2030	36,144	-525	-27	0	-6,586	-336	459	1,666	6,802	1,360	-368	992	30,42
2031	30,427	-413	-21	0	-2,844	-145	407	1,477	6,307	1,261	-341	920	28,54
2032	28,547	-461	-23	v	-945	-47	394	1,429	6,214	1,243	-336	906	28,55
2033	28,557	-505	-25	0	-699	-35	395	1,434	6,185	1,237	-335	902	28,78
2034	28,787 29,001	-518 -524	-25 -25	0	-716	-35	398	1,445	6,170	1,234	-334	900	29,00
2035				-	-736	-36	401	1,455	6,166	1,233	-334	899	29,20
2036	29,202	-530 -533	-25	0	-800	-38	403	1,463	6,161	1,232	-334	899	29,34
2037	29,341 29,465	-533 -536	-25 -25	0	-821	-39	405	1,470	6,160	1,232	-334	898	29,46
2038	29,465 29,570	-536	-25 -25	0	-841 -863	-40 -41	406	1,475	6,162	1,232	-334	899	29,57
2039	29,570 29,657	-538 -540	-25 -25	0		-41 -42	408	1,480	6,165	1,233	-334	899	29,65
2040	29,657	-540 -541	-25 -25	0	-885 -908	-42 -43	409	1,484	6,168	1,234	-334	900	29,72
2041	29,723	-541	-25 -25	0	-908 -932	-43 -44	410	1,487	6,169	1,234	-334	900	29,76
2042	29,788	-542 -542	-25 -25	0	-932 -955	-44 -45	410	1,488	6,168	1,234	-334	900	29,78
2043	29,789 29,786	-542	-25 -25	0	-955 -980	-45 -46	410	1,489	6,163	1,233	-334	899 898	29,78
2044	29,788	-542 -541	-25 -25	0	-980	-46 -47	410 409	1,488 1,486	6,155 6,142	1,231 1,228	-333 -333	898	29,75 29,70
2045	29,702	-540	-25	0	-1,003	-47	409	1,486	6,142	1,228	-333	890	29,70. 29,61
2040	29,617	-538	-25	0	-1,051	-48 -50	408	1,482	6,124	1,225	-332	893	29,61 29,50
2047	29,501	-535	-25	0	-1,085	-50	407	1,477	6,071	1,220	-330	890	29,30
2049	29,353	-28,038	-1,315	0	-1,085	-51	-05	1,4/1	0,071	1,214	-529	0	29,00
2049	27,555	-20,058	-1,515	0	0	0	0	0	0	0	0	0	
2051	ů	Ő	Õ	0	ő	0	0	0	0	0	0	0	
2052	0	0	0	0	0	0	0	0	0	0	0	0	
Totals		-122,101	-10,152	4,257	-201,662	-24,473	28,165	102,235	825,457	143,068	-38,731	104,336	

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	(	SONGS 2 Nonqualified Trust (Liquidation Value Starting Balance)										
	Beginning Of			2 63%	Decommission -ing	End Of Year						
Year	Year Balance	withdrawai	Contribution	After Tax Return	Withdrawal	Balance						
201409						672						
2014	672	0		5	-717							
2015	0		158	4	-	(						
2016	0	20		1	-20	(						
2017	0	2		0	-2	(						
2018	0	0		0	0	4						
2019	0			0	0	(						
2020	0			0	0							
2021	0			0	0	(						
2022	0			0	0	(						
2023	0			0								
2024	0	-		0								
2025	0			0	-							
2026	0			0								
2027	0			0								
2028	0			0	-							
2029	0			0 0								
2030	0			0								
2031 2032	0			0								
2032				0								
2033	0			0								
2034	0			0								
2035				0								
2030	0			0								
2037	_	-		0								
2030	0			0								
2039	1			0								
2041	0			0								
2042				0								
2043	0			0								
2044	o	0	1	0	0							
2045	0	0	1	0								
2046			1	0								
2047	0		)	0	0							
2048			1	0								
2049				0								
2050				0								
2051				0	0							
2052		) 0	)	0	0							

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### SONGS 2 Qualified Trust Equity, Cost Basis

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							-	
			<b>D</b> 1 1		5	<b>N I I I</b>	<b>.</b>	<b>-</b> 1000
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		<b>v v</b>		Contribution				End Of Year Balance
		eat Balance	Withdrawai	Contribution	ing withdrawar		(Filter Tax)	93,729
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		93,729	0	851	-13 922	869	5 354	86,882
					•			102,648
		,			•	,		113,033
		,			-	,		104,697
		,				-		94,976
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	019	94,976		0	•			79,377
	020	,		0				60,292
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	021	60,292	-10,543	0		•	,	48,725
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	022	48,725	-598	0	-3,768	873	2,549	47,781
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	023	47,781	-679	0	-9,913	778	1,999	39,966
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	024	39,966	-391	0	-3,882	685	1,791	38,169
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	025	38,169	-573	0	-3,480	644	1,621	36,381
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	026	36,381	-573	0	-1,909	619	1,537	36,055
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	027	36,055	-624	0	-2,165	605	1,455	35,326
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	028	35,326	-615	0	-2,870	583	1,357	33,780
	029	33,780	-578	0	-5,248	533	1,181	29,668
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	030	29,668	-453	0	-5,682	459	992	24,985
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	031	24,985	-356	0	-2,454	407	920	23,502
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		23,502	-399	0	-817	394	906	23,586
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		-			-606	395	902	23,839
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		,			-	398	900	24,065
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				=				24,269
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		,			-697	403	899	24,413
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		,						24,536
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		,						24,640
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	-						24,725
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$								24,789
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				-				24,832
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		,						24,855
2045         24,834         -473         0         -878         409         896           2046         24,788         -472         0         -901         408         893           2047         24,718         -470         0         -924         407         890           2048         24,621         -467         0         -948         405         885           2049         24,496         -24,496         0         0         0         0           2050         0         0         0         0         0         0         0           2051         0         0         0         0         0         0         0		-						24,856
2046         24,788         -472         0         -901         408         893           2047         24,718         -470         0         -924         407         890           2048         24,621         -467         0         -948         405         885           2049         24,496         -24,496         0         0         0         0           2050         0         0         0         0         0         0         0           2051         0         0         0         0         0         0         0				-				24,834
2047         24,718         -470         0         -924         407         890           2048         24,621         -467         0         -948         405         885           2049         24,496         -24,496         0         0         0         0           2050         0         0         0         0         0         0         0           2051         0         0         0         0         0         0         0		,						24,788
2048         24,621         -467         0         -948         405         885           2049         24,496         -24,496         0         0         0         0           2050         0		,				-		24,718
2049         24,496         -24,496         0								24,621
2050         0								24,496
2051 0 0 0 0 0 0		,	,		=		-	0
								0 0
		0	0	0	0	0	0	0
	,52	0	0	U	0	0	0	0
Totals -94,752 4,257 -135,736 28,165 104,336	ls L		-94,752	4,257	-135,736	28,165	104,336	

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# Unit 2 Rebalance

						<u></u>				Page 29 of 4
			SONGS 2 R	ebalance (	Calculation			Re	balance Ch	eck
Year	Maximum Equity Percentage	Actual Equity Percentage	Actual Fixed Income Percentage	Rebalance Withdrawal Market	Rebalance Withdrawal Cost	Rebalance Capital Gain Tax	Rebalance Contribution Fixed Income	Ending Equity Balance + Rebalance Amount	Ending Fixed Income Balance + Rebalance Amount	Rebalance Check
01409	59 52%	59 52%	40 48%	0	0	0	0			·
2014	60 00%	58 86%	41 14%	0	0	0	0	226,366	158,203	58 86%
2015	1	58 54%	41 46%	0	0	0	0	209,950	-	
2016		58 54%	41 46%	-16,568	-9,353	-1,953	14,615	183,645		
2017	48 00%	54 01%	45 99%	-19,630	-12,246	-1,999	17,631	148,190		
2018	42 00%	48 24%	51 76%	-19,022	-12,760		17,327	122,567	169,260	42 00%
2019	36 00%	42 23%	57 77%	-17,064	-12,061	-1,354	15,709	95,238	169,312	36 00%
2020	30 00%	36 19%	63 81%	-14,367	-10,543	-1,035	13,332	67,790	158,176	30 009
2021	30 00%	30 37%	69 63%	-790	-598	-52	738	63,647	148,510	30 009
2022	30 00%	30 42%	69 58%	-878	-679	-54	824	60,883	142,061	30 009
2023	30 00%	30 29%	69 71%	-498	-391	-29	469	50,432	117,674	30 009
2024	30 00%	30 45%	69 55%	-720	-573	-40	680	47,270	110,297	30 009
2025	30 00%	30 47%	69 53%	-714	-573	-38	676	44,561	103,975	30 009
2026	30 00%	30 52%	69 48%	-769	-624	-39	730	43,714	101,998	30 009
2027	30 00%	30 52%	69 48%	-754	-615	-38	716	42,550	99,284	30 000
2028	30 00%	30 51%	69 49%	-705	-578	-34	671	40,519	94,545	30 00
2029	30 00%	30 46%	69 54%	-552	-453	-27	525	35,592	83,049	30 004
2030	30 00%	30 43%	69 57%	-434	-356	-21	413	29,993	69,983	30 009
2031	30 00%	30 51%	69 49%	-484	-399	-23	461	28,063	65,481	30 00
2032	30 00%	30 56%	69 44%	-530	-438	-25	505	28,027	65,396	
2033	30 00%	30 57%	69 43%	-543	-450	-25	518	28,244	65,903	30 00
2034	30 00%	30 57%	69 43%	-550	-456	-25	524	28,451	66,387	30 004
2035	30 00%	30 57%	69 43%	-555	-461	-25	530	28,647		
2036	30 00%	30 57%	69 43%	-558	-464	-25	533	28,783	67,160	
2037		30 57%	69 43%	-561	-467		536	28,903	67,441	30 004
2038		30 57%	69 43%	-564	-470	-25	538	29,007		
2039		30 58%	69 42%	-566	-471	-25	540	29,092		
2040		30 58%	69 42%	-567	-473		541	29,157		
2041		30 58%	69 42%	-568	-474		542	29,200	-	
2042		30 58%	69 42%	-568	-474		542	29,221	68,183	30 00
2043		30 57%	69 43%	-568	-474		542	29,219	68,178	
2044		30 57%	69 43%	-567	-473		541	29,191	68,113	
2045		30 57%	69 43%	-565	-472		540	29,137		
2046		30 57%	69 43%	-563	-470		538	29,054		
2047		30 57%	69 43%	-560	-467		535	28,941	67,529	
2048		30 62%	69 38%	-29,353	-24,496		28,038	0		
2049		0 00%	100 00%	0	0	0	0	0		
2050		0 00%	100 00%	0	0	0	0	0	,	
2051		0 00% 0 00%	100 00%	0	0	0	0	0	,	
2052	0 00%	0.00%	100 00%	U	0	0	0		73,616	0.00
otals				-132,253	-94,752	-10,152	122,101			

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# Unit 3 Summary

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### SONGS 3 Qualified & Nonqualified Trust

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	Beginning Of Year	Annual Ratepayer		Decommissioning		End Of Year
Year	Balance	Contribution	Returns	Costs	Taxes	Balance
201409						509,834
2014	509,834	560	5,904	-56,352	-9,671	450,274
2015	450,274	2,238	21,067	-40,699	-13,759	419,122
2016	419,122	0	19,685	-32,391	-10,241	396,175
2017	396,175	0	17,982	-23,823	-9,521	380,812
2018	380,812	0	16,122	-33,523	-8,383	355,027
2019	355,027	0	14,218	-31,677	-6,271	331,297
2020	331,297	0	12,505	-29,897	-4,740	309,165
2021	309,165	0	10,579	-47,478	-3,947	268,318
2022	268,318	0	9,358	-34,570	-1,934	241,173
2023	241,173	0	8,433	-30,055	-1,624	217,926
2024	217,926	0	7,803	-17,729	-1,258	206,742
2025	206,742	0	7,481	-12,760	-1,093	200,370
2026	200,370	0	7,333	-8,094	-969	198,641
2027	198,641	0	7,244	-9,373	-951	195,560
2028	195,560	0	7,150	-8,282	-903	193,525
2029	193,525	0	6,588	-33,613	-1,178	165,321
2030	165,321	0	5,526	-34,000	-1,057	135,792
2031	135,792	0	4,880	-10,185	-657	129,829
2032	129,829	0	4,792	-3,149	-552	130,920
2033	130,920	0	4,848	-2,329	-542	132,898
2034	132,898	0	4,921	-2,388	-545	134,886
2035	134,886	0	4,994	-2,453	-549	136,878
2036	136,878	0	5,065	-2,667	-556	138,720
2037	138,720	0	5,132	-2,735	-561	140,555
2038	140,555	0	5,199	-2,805	-567	142,383
2039	142,383	0	5,266	-2,876	-573	144,200
2040	144,200	0	5,333	-2,951	-580	146,002
2041	146,002	0	5,399	-3,028	-586	147,786
2042	147,786	0	5,464	-3,106	-593	149,551
2043	149,551	0	5,528	-3,184	-600	151,295
2044	151,295	0	5,592	-3,266	-607	153,014
2045	153,014	0	5,655	-3,350	-615	154,704
2046	154,704	0	5,716	-3,436	-622	156,363
2047	156,363	0	5,776	-3,525	-629	157,986
2048	157,986	0	5,570	-3,616	-636	159,305
2049	159,305	0	3,511	-4,172	-2,174	156,470
2050	156,470	0	3,364	-15,864	0	143,970
2051	143,970	0	2,964	-26,139	0	120,794
2052	120,794	0	2,729	-527	0	122,996
		0.700	000 (77	£00 0/7		
Totals =		2,798	292,677	-592,067	-90,246	

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# Unit 3 Beginning Balance

### SONGS 3 -Trust Beginning Balance

Balance Date: 201409

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#### QUALIFIED TRUST

Qualified Trust Balances by Unit	Market Value	Allocations
Unit 1	124,116,605	12%
Unit 2	442,360,727	41%
Unit 3	511,475,494	47%
Total Qualified Trust Balance	1,077,952,826	100%

Qualified Trust Balances by Asset Class	Market Value	Liquidation Value
U.S. Equity	453,179,513	360,968,180
International Equity	186,392,402	163,501,124
Qualified Equity	639,571,915	524,469,305
Qualified Fixed Income	438,381,345	434,922,346
Total Qualified Trust Balance	1,077,953,260	959,391,650

	Total	Unit 1	Unit 2	Unit 3
	100%	12%	41%	47%
Qualified Equity (Market Value)	639,571,915	73,640,973	262,461,854	303,469,088
Qualified Fixed Income (Liquidation Value)	434,922,346	50,077,410	178,479,577	206,365,359
Nonqualified Fixed Income (Liquidation Value)*			672,484	
Unit 3 Beginning Balance				509,834,447

#### SDG&E Nuclear Decommissioning Trust 09-30-2014 Estimated Liquidation Value Calculation

	 <b>____</b> _	 	 Liquidation
Qualified Trust	Cost	Market Value	Value*
San Onofre 1	\$ 51,049,608 06	 \$124,116,605 42	\$ 104,335,907 89
San Onofre 2	279,791,173 92	\$442,360,726.83	398,349,897 47
San Onofre 3	309,163,270 81	\$511,475,494 08	456,705,529 00
Total Qualified Trust	\$ 640,004,052 79	\$ 1,077,952,826.33	\$ 959,391,334.36
Nonqualified Trust			
San Onofre 1	\$ 8,124,232.76	\$ 8,280,694 08	\$ 8,216,952.52
San Onofre 2	662,116 85	\$ 679,611 49	672,484 26
San Onofre 3	-	-	-
Total Nonqualified Trust	\$ 8,786,349 61	\$ 8,960,305 57	\$ 8,889,436.78
San Onofre 1 San Onofre 2 San Onofre 3	\$ 59,173,840.82 280,453,290 77 309,163,270.81	\$ 132,397,299 50 443,040,338 32 511,475,494 08	\$ 112,552,860.42 399,022,381.73 456,705,529 00
Total Qual. & Nonqual.	\$ 648,790,402 40	\$ 1,086,913,131.90	\$ 968,280,771.14
San Onofre 2 & 3	589,616,561 58	954,515,832.40	855,727,910.72
Capital Gains Tax Rates			
Qualified	00.000/		
Federal	20 00%		
State	 8 84%		
Combined	27 07%		
Nonqualified			
Federal	35 00%		
_			

8 83% 40 74%

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State

Combined

#### SDG&E Nuclear Decommissioning Trust 09-30-2014 Liquidation Value Calculation

		% of		% of	Liquidation
Qualified Trust	Cost	Fund	Market Value	Fund	Value*
Fixed Income	\$ 425,604,309.32	66 5%	\$ 438,381,344 56	40.7%	\$ 434,922,345.58
Payden & Rygel	\$ 44,377,258 97		\$ 44,973,160 31		\$ 44,811,837 90
AllianceBernstein	\$ 92,274,206 65		\$ 97,395,702 56		\$ 96,009,211 19
Lazard	\$ 45,575,714 17		\$ 44,377,958 49		\$ 44,702,214 91
PIMCO	\$ 90,568,325 41		\$ 91,210,568 61		\$ 91,036,700 53
Neuberger Berman	\$ 79,177,640 76		\$ 79,957,014 97		\$ 79,746,022 78
JP Morgan	\$ 73,631,163 36		\$ 80,466,939 62		\$ 78,616,358 27
U. S. Equity	\$ 112,564,366 19	17.6%	\$ 453,179,512.86	42.0%	\$ 360,968,180.35
SSGA	\$ 112,564,366 19		\$ 453,179,512 86		\$ 360,968,180 35
International	\$ 101,835,377.28	15.9%	\$ 186,392,402 29	17.3%	\$ 163,501,124.48
SSGA	\$ 101,835,377 28		\$ 186,392,402 29		 163,501,124 48
Qualified Trust Total	\$ 640,004,052.79	100 0%	\$ 1,077,953,259.71	100.0%	\$ 959,391,650.41
Nonqualified Trust					
U.S. Equity	\$ 1,858.34	0 0%	\$ 2,456.63	0 0%	\$ 2,212.89
SSGA	\$ 1,858 34		\$ 2,456 63		\$ 2,212 89
Fixed Income	\$ 8,784,491 27	100.0%	\$ 8,957,857.16	100.0%	\$ 8,887,228.76
ALLIANCE BERNSTEIN	\$ 8,784,491 27		8,957,857 16		\$ 8,887,228 76
Total Nonqualified Trust	\$ 8,786,349.61	100.0%	\$ 8,960,313.79	100.0%	\$ 8,889,441.65
Total Trust	\$ 648,790,402.40		\$ 1,086,913,573.50		\$ 968,281,092.07

Capital Gains Tax Rate	s	
Qualified	_	
Federal		20 00%
State		8 84%
Combined		27 07%
Nonqualified		
Federal		35 00%
State		8 83%
Combined		40 74%
Unrealized Gains	\$	438,123,171 10

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# Unit 3 Contributions

SONGS 2 -Contributions Qualified Trust	Allocations	(3 months) 2014	2015	Total
Equity	60%	851	3,406	
Fixed Income	40%	568	2,270	
Total Qualified Trust	100%	1,419	5,676	
Nonqualified Trust				
Fixed Income	100%	40	158	
Total Unit 2		1,459	5,834	7,293

## **SONGS 3** -Contributions

Qualified Trust				
Equity	60%	336	1,343	
Fixed Income	40%	224	895	
Total Unit 3	100%	560	2,238	2,798

## SONGS 2 & 3 -Contributions

Total	2,018	8,072 <sup>1</sup>
Unit 3 Total	560	2,238
Unit 2 Total	1,459	5,834

#### Notes:

1 Authorized Contribution from 09-04-009 Exhibit No. SDG&E 20

A.09-04-009 Exhibit No. SDG&E-20 Witness: Exhibit of Counsel/Nelson April 5, 2010

#### Application 09-04-009 San Diego Gas & Electric Company Updated Annual Nuclear Decommissioning Trust Contributions Under Settlement Agreement

	Annual Co	ntributions Proposed for (\$000)	May 1, 2010		
	San On	ofre Unit 2	San Onofre Unit 2 3		
	Qualified Trust	Non-Qualified Trust	Qualified	Total	
Contributions	5,676	158	2,238	8,072	
Revenue Requirement	5,743	160	2,264	8,167	

Input Assumptions Based upon Settlement Agreement Provisions:

- Recorded Trust Liquidation Values as of December 31, 2009, adjusted for tax refund adjustment
- 6.93 percent escalation rate for low-level radioactive waste burial costs
- 8.75 percent per annum return on equity investments
- 4.20 percent per annum return on investments in debt securities
- Fifty percent cash in portfolio starting in Year 2030
- Note: Revenue requirement adjusts contributions to reflect franchise fees and uncollectibles charged through the SDG&E NDAM rate

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# Unit 3 Returns

### **SONGS 3 - Returns**

		Qualified Trust	Nonqualified Trust		
	Equity		Fixed Income	Fixed Income	
	1 96%	5 18%	3 09%	2 63%	
	Dividend	Price Appreciation	(2014 - 2047)	After Tax Return	Total Returns
ł			2 76%		
			(2048 - 2052)		
			Interest Earned (After		
Year			Tax)		
2014	1,011	3,670	1,223		5,904
2015	3,591	13,036	4,440	-	21,067
2016	3,348	12,152	4,184	-	19,685
2017	2,933	10,645	4,405	-	17,982
2018	2,464	8,945	4,712	-	16,122
2019	2,012	7,304	4,902	-	14,218
2020	1,611	5,846	5,048	-	12,505
2021	1,209	4,387	4,983	-	10,579
2022	1,070	3,884	4,405	-	9,358
2023	964	3,500	3,968	-	8,433
2024	893	3,242	3,668	-	7,803
2025	857	3,109	3,515	-	7,481
2026	840	3,049	3,444	-	7,333
2027	830	3,011	3,403	-	7,244
2028	819	2,973	3,358	-	7,150
2029	753	2,734	3,100	-	6,588
2030	632	2,293	2,602	-	5,526
2031	559	2,028	2,293	-	4,880
2032	549	1,993	2,250	-	4,792
2033	556	2,016	2,276	-	4,848
2034	564	2,047	2,311	-	4,921
2035	572	2,077	2,345	-	4,994
2036	580	2,106	2,378	-	5,065
2037	588	2,134	2,410	-	5,132
2038	596	2,162	2,441	-	5,192
2039	603	2,190	2,473	<u>-</u>	5,266
2040	611	2,218	2,504	_	5,333
2041	619	2,245	2,535	_	5,399
2042	626	2,272	2,566	-	5,464
2043	633	2,299	2,596	_	5,528
2044	641	2,326	2,626	-	5,592
2045	648	2,352	2,655	_	5,655
2046	655	2,377	2,684	_	5,716
2047	662	2,402	2,004	-	5,776
2048	669	2,402	2,475	-	5,570
2049	0	2,427	3,511	-	3,511
2050	Ő	0 0	3,364	-	3,364
2050	ů 0	0	2,964	-	2,964
2052	0	0	2,729	-	2,964 2,729
Totals	36,766	133,454	122,457		2,729

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	SONGS 3 Qualified Trust Equity (Market Value Starting Balance)												
Year	Beginning Of Year Balance	Rebalance Withdrawal	Capital Gain Tax, Rebalance Withdrawal	Contribution	Decommission - ing Withdrawal	Capital Gains Tax, Decommission - ing Withdrawal	1 96% Dividend	5.18% Price Appreciation	Unrealized Gain	Realized Gain (Turnover)	Capital Gains Tax on Realized Gain	Realized Gam (After Tax)	End Of Year Balance
201409													303,469
2014	303,469	0	0	336	-33,543	-7,280	1,011	3,670		8,834			
2015	265,272	0	0	1,343	-23,977	-4,956	3,591	13,036		32,515			
2016	245,507	0	0	0	-18,973	-3,177	3,348	12,152		26,096			
2017	231,792	-16,786	-2,331	0	-12,865	-1,786	2,933	10,645	,	19,964	· · ·	14,559	
2018	206,198	-22,064	-2,584	0	-16,091	-1,885	2,464	8,945	,	14,459		10,545	,
2019	171,069	-20,745	-2,090	0	-13,305	-1,340	2,012	7,304	52,469	10,494	-2,841	7,653	
2020	140,065	-19,685	-1,738	0	-10,763	-950	1,611	5,846	37,891	7,578	-2,052		
2021	112,334	-18,560	-1,463	0	-14,243	-1,123	1,209	4,387		5,030			
2022	81,178	-650	-47	0	-10,371	-746	1,070	3,884		4,215		3,074	,
2023	73,177	-789	-52	0	-9,017	-600	964	3,500	17,952	3,590		,	
2024	66,213	-800	-50	0	-5,319	-332	893	3,242	16,193	3,239	-877	2,362	
2025	62,971	-910	-54	0	-3,828	-226	857	3,109	15,032	3,006	-814		
2026	61,105	-956	-54	0	-2,428	-137	840	3,049	,	2,874			
2027	60,641	-1,010	-55	0	-2,812	-152	830	3,011	13,744	2,749			
2028	59,709	-1,004	-53	0	-2,485	-130	819	2,973	13,292	2,658		,	
2029	59,109	-1,015	-52	0	-10,084	-516	753	2,734		2,254		,	
2030	50,319	-698	-36	0	-10,200	-520	632	2,293	9,256	1,851		1,350	· ·
2031	41,289	-532	-27	0	-3,056	-156	559	2,028		1,751			
2032	39,631	-659	-33	0	-945	<del>-4</del> 7	549	1,993		1,740		1,269	
2033	40,017	-716	-35	0	<b>-</b> 699	-35	556	2,016		1,744			,
2034	40,632	-738	-36	0	-716	-35	564	2,047		1,752			
2035	41,244	-752	-36	0	-736		572	2,077		1,764			
2036	41,855	-766	-37	0	-800	-38	580	2,106		1,777		1,296	
2037	42,420	-778	-37	0	-821	-39	588			1,792			
2038	42,982	-790	-37	0	-841	-40	596	,		1,809			
2039	43,542	-801	-38	0	-863	-41	603	2,190		1,828			-
2040	44,099	-812	-38	0	-885	-42	611	2,218		1,847		,	
2041	44,651	-823	-39	0	-908	-43	619	2,245		1,867			· · ·
2042	45,197	-833	-39	0	-932	-44	626	2,272		1,887		1,376	-
2043	45,737	-844	-39	0	-955		633	2,299		1,907		-	
2044	46,270	-854	-40	0	-980	-46	641	2,326		1,927			
2045	46,796	-863	-40	0	-1,005		648	,	,	1,948			
2046	47,313	-873	-41	0	-1,031	-48	655	2,377		1,968			
2047	47,820	-882	-41	0	-1,057	-49	662	2,402		1,988			
2048	48,316	-891	-42	0	-1,085	-51	669	2,427	,	2,008		•	-
2049	48,800	-46,626	-2,174	0	0		0	0		0	0		0
2050	0	0	0	0	0	0	0		•	0	0		) 0
2051	0	0	0	0		0	0			0	0		0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	·	-166,505	-13,507	1,679	-218,617	-26,734	36,766	133,454	1,056,059	184,710	-50,005	134,705	······

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			-	Trust Fixed Starting B		
					3.09% (2014 - 2047)	
	1				2.76%	
					(2048 - 2052)	
	Beginning Of	Rebalance		Decommission -	Interest Earned	End Of Year
Year	Year Balance	Contribution	Contribution	ing Withdrawal	(After Tax)	Balance
201409						206,365
2014	206,365	0	224	-22,810	1,223	185,002
2015	185,002	0	895	-16,722	4,440	173,615
2016	173,615	0	0	-13,417	4,184	164,382
2017	164,382	16,786	0	-10,959	4,405	174,614
2018	174,614	22,064	0	-17,432	4,712	183,959
2019	183,959	20,745	0	-18,373	4,902	191,232
2020	191,232	19,685	0	-19,134	5,048	196,831
2021	196,831	18,560	0	-33,235	4,983	187,140
2022	187,140	650	0	-24,199	4,405	167,996
2023	167,996	789	0	-21,039	3,968	151,714
2024	151,714	800	0	-12,410	3,668	143,771
2025	143,771	910	0	-8,932	3,515	139,265
2026	139,265	956	0	-5,666	3,444	138,000
2027	138,000	1,010	0	-6,561	3,403	135,852
2028	135,852	1,004	0	-5,798	3,358	134,416
2029	134,416	1,015	0	-23,529	3,100	115,002
2030	115,002	698	0	-23,800	2,602	94,503
2031	94,503	532	0	-7,130	2,293	90,199
2032	90,199	659	0	-2,204	2,250	90,903
2033	90,903	716	0	-1,630	2,276	92,265
2034	92,265	738	0	-1,671	2,311	93,642
2035	93,642	752	0	-1,717	2,345	95,022
2036	95,022	766	0	-1,867	2,378	96,300
2037	96,300	778	0	-1,915	2,410	97,573
2038	97,573	790	0	-1,963	2,441	98,840
2039	98,840	801	0	-2,013	2,473	100,101
2040	100,101	812	0	-2,065	2,504	101,352
2041	101,352	823	0	-2,120	2,535	102,590
2042	102,590	833	0	-2,174	2,566	103,815
2043	103,815	844	0	-2,229	2,596	105,025
2044	105,025	854	ů 0	-2,286	2,626	106,219
2045	106,219	863	0	-2,345	2,655	107,392
2046	107,392	873	0	-2,405	2,684	108,543
2047	108,543	882	0	-2,467	2,712	109,670
2048	109,670	891	0	-2,531	2,475	110,505
2049	110,505	46,626	0	-4,172	3,511	156,470
2050	156,470	0	0	-15,864	3,364	143,970
2051	143,970	0	0	-26,139	2,964	120,794
2052	120,794	0	0	-527	2,729	120,791
L Totals		166,505	1,119	-373,450	122,457	

	(			nqualified ' ue Starting		
		Tax Benefit,				
	Beginning Of	Prior-Year		2.63%	Decommission -	End Of Year
Year	Year Balance	Withdrawal	Contribution	After Tax Return	ing Withdrawal	Balance
201409						(
2014	0	0	0	0	0	(
2015	0	0	0	0	0	(
2016	0	0		0	0	(
2017	0	0		0	0	(
2018	0	0 0		0	0	(
2019 2020	0	0		0	0	
2020	0	0		0	0	
2021	0	0		0	0	
2023	0	0		0	0	
2024	0	0		0	0	
2025	0	0		0	0	
2026	0	0		0	0	
2027	0	0		0	0	
2028	0	0		0	•	
2029	0	0		0		
2030	0	0		0	-	(
2031	0			0		
2032	0			0	-	
2033	0	0		0		
2034 2035	0			0		
2035	0			0		
2030	0			0	-	
2037	0			0		1
2039	0			0		
2040	0			0	0	
2041	0			0	0	1
2042	0	0		0		
2043	0			0		
2044	0			0		
2045	0			0	0	
2046	0			0		
2047	0			0 0		
2048 2049	0			0		
2049 2050	0			0		
2050	0			0		
2051	0			0		

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3.02%

2 10%

#### SONGS -Projected Rates of Return

#### **Qualified Equity**

Intermediate Muni

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Quantica Equity							
Benchmarks	Asset Allocation	Mercer	Aon Hewitt	Russell	Callan	LCG	Weighted Average
Senchinarks	Asset Allocation	20 yr	30 yr	20 yr	10 yr	10 yr	weighted Average
Domestic All Cap Equity	70%	6 70%	6 54%	7 60%	7 60%	7 10%	4 98%
International All Cap Equity	30%	7 70%	7 24%	7 80%	7 80%	7 90%	2 31%
Total Equity	100%						7.28%
Qualified Fixed Income: 2014 - 2047							
Benchmarks	Asset Allocation	Mercer	Aon Hewitt	Russell	Cailan	LCG	Weighted Average
Benchmarks	Asset Allocation	20 yr	30 yr	20 yr	10 yr	10 yr	weighted Average
Intermediate Muni	45%	3 30%	3 30%	3 40%	3 00%	2 10%	1 36%
Intermediate Credit	45%	4 30%	3 30%	3 90%	3 00%	3 20%	1 59%
Short Duration Govt/Credit	10%	3 60%	2 40%	3 50%	2 40%	2 00%	0 28%
Total Fixed Income	100%						3.23%
Qualified Fixed Income: 2048 -2052							
Benchmarks	Asset Allocation	Mercer	Aon Hewitt	Russell	Callan	LCG	Weighted Average
Bencinnarks	Asset Allocation	20 yr	30 yr	20 yr	10 yr	10 yr	weighted Average
Intermediate Muni	50%	3 30%	3 30%	3 40%	3 00%	2 10%	1 51%
Short Duration Govt/Credit	50%	3 60%	2 40%	3 50%	2 40%	2 00%	1 39%
Total Fixed Income	100%						2.90%
Nonqualified Fixed Income							
		Mercer	Aon Hewitt	Russell	Callan	LCG	14/
Benchmarks	Asset Allocation	20 yr	30 yr	20 yr	10 yr	10 yr	Weighted Average
					· ·	1	· · · · · · · · · · · · · · · · · · ·

#### 1. Returns After Fees and Taxes

3 30%

100%

		Qualified Fixed Income Total	Qualified Fixed Income Total	Nonqualified Fixed
	Qualified Equity	(2014 - 2047)	(2048 - 2052)	Income
Pre-Tax Return	7 28%	3 23%	2 90%	3 02%
Management Fees	0 14%	0 14%	0 14%	0 14%
After Fee Return	7 14%	3.09%	2.76%	2 88%
Taxes				8 84%
After Fee & Taxes Return	1			2.63%

3 00%

3 40%

#### 2. Qualified Equity Return Components for Model

Dividend Rate	1.96%
Appreciation Rate	5.18%
Qualified Equity After Fee Return	7 14%

3 30%

#### **SONGS -Projected Rates of Return**

#### 3. Dividend Component of Qualified Equity Return

Year		Dividend Yield (Annual rate
	2014	2 04%
	2015	1 98%
	2016	1 96%
	2017	1 96%
	2018	1 96%
	2019	1 96%
	2020	1 96%
	2021	1 96%
	2022	1 97%
	2023	1 98%
	2024	1 98%
	2025	2 00%
	2026	2 00%
	2027	2 00%
	2028	2 00%
	2029	2 00%
	2030	1 99%
	2031	1 99%
	2032	1 99%
	2033	1 98%
	2034	1 98%
	2035	1 97%
	2036	1 96%
	2037	1 96%
	2038	1 95%
	2039	1 94%
	2040	1 93%
	2041	1 93%
	2042	1 92%
	2043	1 92%
	2044	1 92%
	2045	1 92%
	2046	1 92%
	2047	1 92%
	2048	1 92%
	2049	1 92%
	2050	1 92%
	2051	1 92%
	2052	1 92%
Average		1 96%

#### 4. Taxes

Equity	Tax Rate
Federal	20 00%
State	8 84%
Composite Rate	27 07%

Fixed Income (2014 - 2047)	Tax Rate	Weights	Weighted Rates
Other Fixed Income	27 07%	55%	14 89%
Municipal Fixed Income	8 84%	45%	3 98%
Total			18 87%
Fixed Income (2048 -2052)	Tax Rate	Weights	Weighted Rates
Short Duration Govt/Credit	27 07%	50%	13 54%
Municipal Fixed Income	8 84%	50%	4 42%

Total

4 42% 17 96%

i

# Unit 3 Decommissioning Costs

г				
		0% of Energy		-
	<u>Costs + 10</u>	0% SDG&E I	nternal Costs	-Escalated
Year	Labor	Burial	Other	Total
<u>1 ear</u> 2014			25,078	56,352
	28,361	2,914		
2015	15,496	24	25,179	40,699
2016	19,768	1,063	11,560	32,391
2017	17,330	290	6,204	23,823
2018	18,054	6,738	8,730	33,523
2019	14,489	6,468	10,720	31,677
2020	17,729	5,890	6,279	29,897
2021	23,977	11,440	12,061	47,478
2022	13,621	13,298	7,650	34,570
2023	12,442	12,984	4,629	30,055
2024	9,794	332	7,602	17,729
2025	6,327	1	6,432	12,760
2026	5,109	1	2,984	8,094
2027	5,609	1	3,763	9,373
2028	5,436	1	2,845	8,282
2020	9,442	1	24,170	33,613
2029	9,073	1	24,926	34,000
2030	7,075	1	3,109	10,185
2031	2,106	1	1,042	3,149
2032	-	1	676	
	1,653	-		2,329
2034	1,700	-	688	2,388
2035	1,752	-	701	2,453
2036	1,908	-	758	2,667
2037	1,963	-	772	2,735
2038	2,018	-	787	2,805
2039	2,075	-	801	2,876
2040	2,135	-	816	2,951
2041	2,197	-	831	3,028
2042	2,259	-	847	3,106
2043	2,322	-	862	3,184
2044	2,388	-	878	3,266
2045	2,456	-	894	3,350
2046	2,526	-	911	3,436
2047	2,597	-	927	3,525
2048	2,671	_	945	3,616
2049	3,130	_	1,041	4,172
2019	8,070	659	7,136	15,864
2050	17,472	5	8,662	26,139
2051	-	-	527	527
2032	304,531	62,114	225,422	592,067
	504,551	02,114	<i>423,42</i> 2	374,007

	[					_																				F
																					ļ					L
		SONGS 2 En						s Decommissio		1				1					% of Energy				% of Energy S			1
		1	00% Share -N	ominal (2014S		1	00% Share -N	iominal (20145)	2	Unit 2 SD	G&E Interna	Cesta -Nomin	ni (20145)	Unit	SDG&E Co	ita -Nominul (2	0145)	Costs + 100%	SDG&E Inter	nal Corts Non	almai (20145)	Costs + 100%	SDG&E Interr	sal Costa -Non	stinal (2014\$)	F
L	Year	Labor	Bunal	Other	Total	Labor	Burnl	Other	Total	Labor	Burnel	Other	Total	Labor	Burial	Other	Total	Labor	Bunal	Other	Total	Labor	Burni	Other	Totol	L
[	2014	140 052	14 569	114 693	269 313	139 418	14 569	122,841	276,828	480		468	948	477		510	987	28 491	2,914	23 406	54 811	28 361	2,914	25 078	56,352	F
	2015	70 805	118	112,021	182.943	73 266	118	122,126	195 509	442		355	797	457		387	844	14 603	24	22,759	37 385	15 110	24	24,812	39 946	t.
- 1	2016	B4 67 1	3 823	29 086	117.579	91 413	5 136	54 534	151 083	432		[70	603	467		319	786	17,367	765	5 987	24 118	18 750	1 0 2 7	11 226	31 003	E
ł	2017	82,825	48 297	42,046	173 168	78 397	1 375	29 063	108 835	287		183	469	271		126	398	16 851	9 659	8 592	35,103	15 951	275	5,939	22,165	
	2018	75,277	8 562	22,989	106 828	79 211	31,316	40 225	150 753	272		108	380	286		189	475	15 327	1 712	4 706	21 745	16   28	6 263	8,234	30,625	Į.
- 1	2019	71,587	29 825	48,008	149 420	61 489	29,502	49 112	140 104	300		140	440	258		144	401	14 618	5 965	9 742	30 324	12,556	5 9/10	9 966	28 422	
- 1	2020	98,645	42,634	49 147	190 426	73 337	26,334	28 244	127 916	320		172	492	238		99	337	20 849	8 527	10 002	38 577	14 905	5 267	5 74R	25 920	
- 1	2021	53,577	10 155	20 293	84 026	96 068	50 126	53,360	199 574	200		71	271	358		187	546	10 915	2,031	4,130	17 076	19 576	10 025	10 859	40 460	L
	2022	44.311	5 827	11,483	61 621	52 491	57 185	33 011	142,688	255		54	319	302		183	485	9 117	1 165	2,360	12 643	108 01	11 437	6 785	29 023	L
- 1	2023	48,316	93 008	21 826	163 151	46 553	54 794	19 652	121 000	284		123	407	274		111	384	9 947	18 602	4,488	33 037	9 584	10,959	4,041	24 584	1
	2024	32 202	10 262	17 223	59 687	35 218	1,375	31 968	68 560	266		77	344	291		144	435	6 707	2,052	3,522	12,281	7 335	275	6 537 5 442	14 147	
	2025	22.884	1	29,563	52,451	21 654	+	26 827	48 485	287		85	371	271		11	348	4 863	1	5 997	10 862	4 602 3 610		2 482	10 045 6 093	
1	2026	16 455	4	10 784	27 243	17318	4	12 184	29 507 33 678	139		40	179	146		46	192	3 430	!	2 197 2 710	5 628 6 236	3 851		3 078	6,930	
	2027 2028	16,947		13,348 19 421	30 299	17 487	2	15 160	28 776	152		40	207	132		40	164	4 171		3 939	8 1 10	3,630		2,289	5,919	
	2028	20 093 21 620	1	53 079	39,518 74 704	29 821	4	F1 285 95 326	28 776	1 152		54	207	132		52	220	4 444		10 647	15 091	6 129		19 120	25,250	
	2029	20 559	4	59 133	79 697	27 803		95 526	124 503	121		22	154	164		33	217	4 233		11 859	16 093	5 724	;	19 393	25 (18	
	2030	20 339	-	10 592	30 325		1	11 664	32,645	138		دد (۵	179	147		35	192	4 084		2,159	6 244	4 342	i	2 378	6721	L
	2031	5,572	4	3 759	9,336	5 572		3 759	9,336	142		32	174	142		12	174	1 257	1	783	2.041	1 257	i	783	2.041	L
	2032	4 797	-	2417	7 214	4 797		2417	7 214	1 142		16	16	192		16	16			499	1 459	959		499	1 459	1
	1035	7 191			/ 444			A.417	1 44.4			10				10	10					1				

#### Units 2 & 3 Decommissioning Costs -Nominal and Escalated Nominal ----

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	Year L	ibor	Bunal	Other	Total	Labor	Burni	Other	Total	Labor	Bural	Other	Total	Labor	Bunal	Other	Total	Labor	Bunal	Other	Total	Labor	Burni	Other	Total	Labor	Bunai	Other	Total	Labor	Bunai	Other	Total
	2014	40 052	14 569	114 693	269 313	139 418	14 569	122,841	276,828	480		468	948	477		510	987	28 491	2,914	23 -106	54 811	28 361	2,914	25 078	56,352	28 191	2,914	23 406	54 811	28,361	2,914	25 078	56,352
		70 805	118	112,021	182,943	73 266	118	122,126	195 509	442		355	797	457		387	844	14 603	24	22,759	37 385	15 110	24	24,812	39 946	14 975	24	23 096	38 095	15 496	24	25 179	40 699
		84 67 1	3 823	29 086	117.579	91 413	5 136	54 534	151 083	432		170	603	467		319	786	17,367	765	5 987	24 118	18 750	1 0 2 7	11 226	31 003	18,310	791	6 165	25 267	19 768	063	11 560	32,391
		82,825	48 297	42,046	173 168	78 397	1 375	29 063	108 835	287		183	469	271		126	398	16 851	9 659	8 592	35,103	15 951	275	5,939	22,165	18,309	10 187	8 975	37 471	17.330	290	6 204	23 823
		75,277	8 562	22,989	106 828	79 211	31,316	40 225	150 753	272		108	380	286		189	475	15 327	1 712	4 706	21 745	15   28	6 263	8,234	30,625	17   57	1 842	4 989	23,989	18 054	6 738	8 730	33,523
		71,587	29 825	48,008	149 420	61 489	29,502	49112	140 104	300		140	440	258		144	401	14 618	5 965	9 742	30 324	12,556	S 9/10	9 966	28 422	16 868	6 539	10 479	33,887	14,489	6,468	10 720	31 677
		98,645	42,634	49 147	190 426	73 337	26,334	28 244	127 916	320		172	492	238		99	337	20 849	8 527	10 002	38 577	14 905	5 267	5 74R	25 920	23 846	9 535	10 927	44.306	17 729 23 977	5 890 11,440	6 279 12,061	29,897 47 478
		53,577	10 155	20 293	84 026	96 068	50 126	53,360	199 574	200		71	271	358		187	546	10 915	2,031	4,130	17 076	19 576	10 025	10 859	40 460	13,369 11 498	2,318 1 355	4,587	20 274 15 514	13 621	13 298	7 650	34.570
		44.311	5 827	11,483	61 621	52 491	57 185	33 011	142,688	255		64	319	302		183	485	9 117 9 947	1 165	2,360	12 643	10801	11 437 10,959	6 785	29 023 24 584	12,914	22,040	5 141	40 094	12 442	13 298	4 629	30 955
		48,316	93 008	21 826	163 151	46 553 35 218	54 794	19 652	121 000	284		123	407	274		111 144	435	6 707	18 602 2,052	4,488	33 037 12,281	9 584 7 335	275	6 537	14 147	8 956	2,478	4,096	15,529	9 794	332	7 602	17 729
		32 202 22.884	10 262	17 223 29.563	59 687 52,451	21 654	1,375	31 968 26 827	68 560 48 485	200		11	344	291		144	435	4 863	2,052	3,522 5 997	10 862	4 602	2/5	5 442	10 045	6 686	2,4/8	7 088	13 775	6,327	202	6 432	12 760
	2025	16 455		10 784	27 243	17 3 18	7	12 184	29 507	139		40	179	2/1			192	3 430	1	2 197	5 628	3 610	1	2 482	6 093	4 854	;	2,641	7 496	5 109	i	2,984	8 094
	2027	16.947		13,348	30 299	18 514	2	12 164	33 678	136		40	176	140		40	194	3 525	-	2 710	6 236	3 851	í	3 078	6,930	5 (35	i	3 313	8 4 4 9	5 609	i i	3 763	9.373
	2028	20 093		19 421	39,518	17 487	2	F1 285	28 776	152		54	207	132		32	164	4 171	i	3 939	8110	3,630	í	2,289	5,919	6 246	1	4 896	[1] [44	5 436	1	2.845	8 282
		21 620	Å	53 079	74 704	29 821	4	95 326	125 151	120		31	150	165		55	220	4 444	i	10 647	15 091	6 129	1	19 120	25,250	6 845	i	13 45B	20 305	9 442	1	24 170	33 613
		20 559	4	59 133	79 697	27 803	Å	96 696	124 503	121		33	154	164		53	217	4 233	i	11 859	16 093	5 724	1	19 393	25 [18	6 709	1	15 243	21 953	9 073	I	24 926	34 800
	2031	19 729	4	10 592	30 325	20 977	4	11 664	32,645	138		41	179	147		45	192	4 DB4	1	2,159	6 244	4 3 4 2	1	2 378	6721	6 655	1	2,823	9 4 7 9	7 075	I	3 109	10 185
	2032	5,572	4	3 759	30 325 9,336	5 572	4	3 759	9,336	142		32	174	142		32	174	1 257	1	783	2,041	1 257	1	783	2,041	2,106	1	1,042	3 1 4 9	2,106	1	1 042	3 149
	2033	4 797		2,417	7 214	4 797		2,417	7 214			16	16			16	16	959		499	1 459	959		499	1 459	1 653		676	2,329	1 653		676	2,329
	2034	4 797		2,417	7 214	4 797		2,417	7 214			16	16			16	16	959		499	1 459	959		499	1 459	1 700	-	688	2,388	1 700		688	2,388
	2035	4 807		2 422	7 228	4 807		2,422	7 228			16	16			16	16	961		500	1 461	961		500	1 461	1 752		701	2,453	1 752		701	2,453
	2036	5 069		2,576	7 665	5 089		2 576	7 665			16	16			16	16	1 018		531	1,549	1018		531	1 549	809,1	-	758	2,667	1 908		758	2 667
	2037	5 089		2,576	7 665	5 089		2,576	7 665	1		16	16			16	16	1018		531	1 549	1018		531	1 549	1,963	-	772	2,735	1 963		772	2 735
	2038	5 089	-	2,576	7 665	5 089		2 576	7 665	1		16	16	ł		16	16	1018		\$31	1 549	1018		531	1,549	2,018		787	2,805	2,018		787	2,805
	2039	5 089		2,576	7 665	5 089		2 576	7 665			16	16			16	16	018		531	1 549	1,018		531	1 549	2,075	-	801	2,876	2 075		816	2 876
	2040	5 089		2,576	7 665	5 089		2,576	7 665			16	16			16	16	1 018		531	1 549	1 018		531	1 549	2,135	-	816 831	2,951 3 028	2 135 2.197		831	2 951 - 3 028 :
	2041	5 089		2,576	7 665	5 089		2 576	7 665	- 1		16	16			16	16	1 018		531	1 549 1 549	1018		531 531	1.549	2,197	-	847	3 106	2,197		847	3 106
	2042	5 089		2,576	7 665	5 089		2.576	7 665 7 665			16	16			16	16	1 018		531 531	1 549			531	1 549	2,322		862	3 184	2,239	-	947	3 184
	2043 2044	5 089		2,576	7,665	5 089		2,576				10	16	1		16	16	1 018		531	1,549	1 018		531	1,549	2,388	•	878	3 266	2,322		878	3 266
	2044	5 089 5 089		2,576 2,576	7 665 7 665	5 089 5 089		2,576	7 661 7 665			10	16 16			16	16	1 018		531	1,549	1,018		531	1,549	2,456		894	3 350	2,456		894	3 350
	2045	5 089		2,576	7 665	5 089		2 576	7 665			10	16			01	101	1018		531	1 549	8101		531	1,549	2,526		911	3 436	2 526		911	3 436
	2047	5 089		2,576	7 665	5 089		2 576	7 665			16	16			16	16	1 018		531	1 549	1 018		531	1.549	2,597		927	3 5 2 5	2,597		927	3 525
	2048	5 089		2,576	7 665	5 089		2.576	7 665	-		16	16	1		16	16	1018		531	1,549	1018		531	1,549	2 671		945	3616	2 671	-	945	3 616
	2049	5 085		2,580	7 667	5 088		2 580	7,667	142		59	201	142		59	201	1 160		575	1,735	1 160		575	1,735	3,130		1 041	4 172	3 130	-	1941	4 172
	2050	13 482	258	16 41 1	30 151	13 817	258	19 019	33 094	141		54	195	144		63	207	2,837	52	3,337	6,225	2,907	52	3 867	6 825	7 874	659	6157	14 690	8 070	659	7 136	15 864
- L	2051	8 633	2	9 866	18,500	29 505	2	22,632	52,139	64		36	L00	220		82	302	1,791	0	2.009	3 800	6 121	0	4 608	10 730	\$ 112	5	3 776	8,893	17 472	5	8 662	26 139
	2052			1.377	1 377		_	1 377	1,377											275	275			275	275			527	527			527	527
	1)	53,885	267 375	759 476	2,080 735	1 114 992	272,125	943 194	2,330,511	5 120		2,688	7,603	5,502		3 239	8,741	215 597	53 475	154 583	423,955	228,500	54 425	816 161	474,843	280 667	60 696	179 621	520,984	104,531	62,114	225 422	592,067
						Uan	2 & 3 Energy So	luuons Total	4 411 246					Unit 2 & 3 S	DG&E Interr	nal Costs Total	16,549			Uni	1 2 & 3 20 ⁄4 En	argy Solutions +	SDG&E Intern	al Costa Total	898 798			Unit	2 & 3 20% Er	ergy Solutions +	SDG&E Interna	Costs Total	1 113 051

20% of ES Costs 882,249 100% SDG&E Internal Costs 16,549 Check 898 798

Escalated

SONGS 2 20% of Energy Solutions Decommissioning Costs + 100% SDG&E Internal Costs Escolated

Check Figure from model 1 113,051

Check Figure from model 898,798

SONGS 3-20% of Energy Solutions Decommissioning Costs + 100% SDG&E Internal Costs Esculated

**Document No. 164001-DCE-001** 

# Table 6-1<sup>3</sup>Cost and Schedule Summary(2014 Dollars in Thousands)

Period No.	Period Description	Start	End	Years	Unit 2 Cost	Unit 3 Cost	Total Cost
License Terr	mination (50.75(c))				and a support of the state of the support	anima menandara kanalara kana	
Decon Pd 1	Transition to Decommissioning	6/7/2013	12/31/2013	0 56	\$25,749	\$26,566	\$52,315
Decon Pd 2	Decommissioning Planning and Site Modifications	1/1/2014	6/30/2015	1 49	\$118,709	\$122,430	\$241,140
Decon Pd 3	Decommissioning Preparations and Reactor Internals Segmentation	6/30/2015	6/1/2019	3 92	\$262,210	\$276,799	\$539,009
Decon Pd 4	Plant Systems and Large Component Removal	6/1/2019	9/24/2022	3 31	\$392,029	\$412,475	\$804,504
Decon Pd 5	Building Decontamination	9/24/2022	7/13/2024	1 80	\$212,447	\$216,659	\$429,106
Decon Pd 6	License Termination During Demolition	7/13/2024	12/24/2032	8 44	\$23,085	\$23,085	\$46,171
Account Tot	al			19.52	\$1,034,230	\$1,078,016	\$2,112,246
Spent Fuel (	50.54(bb)) and (72.30)						
SNF Pd 1	Spent Fuel Management Transition	6/7/2013	12/31/2013	0 56	\$63,891	\$66,105	\$129,997
SNF Pd 2	Spent Fuel Transfer to Dry Storage	1/1/2014	6/1/2019	5 41	\$344,629	\$372,193	\$716,822
SNF Pd 3	Dry Storage During Decommissioning - Units 1, 2 and 3	6/1/2019	12/5/2031	12 51	\$61,425	\$61,425	\$122,849
SNF Pd 4	Dry Storage Only - Units 1, 2 and 3	12/5/2031	12/31/2035	4 07	\$29,383	\$29,383	\$58,765
SNF Pd 5	Dry Storage Only - Units 2 and 3	12/31/2035	12/31/2049	14 00	\$107,326	\$107,326	\$214,653
SNF D&D Pd 1	ISFSI License Termination	12/31/2049	5/6/2050	0 34	\$1,260	\$1,260	\$2,520
SNF D&D Pd 2	ISFSI Demolition	5/6/2050	9/8/2051	1 34	\$15,295	\$15,295	\$30,590
Account Tot				38.23	\$623,209	\$652,987	\$1,276,196
Site Restorat							
SR Pd 1	Transition to Site Restoration	6/7/2013	6/30/2015	2 06	\$64,280	\$66,210	\$130,489
SR Pd 2	Building Demolition During Decommissioning	6/30/2015	7/11/2017	2 03	\$13,003	\$37,242	\$50,245
SR Pd 3	Subsurface Demolition Engineering and Permitting Building Demolition to 3 Foot	10/1/2019	7/13/2024	4 78	\$15,593	\$22,319	\$37,912
SR Pd 4	Building Demolition to 3 Feet Below Grade Subgrade Structure Removal	7/13/2024	10/14/2028	4 25	\$124,953	\$134,113	\$259,066
SR Pd 5	Below - 3 Feet Final Site Restoration and	10/14/2028	12/5/2031	3 14	\$171,987	\$269,560	\$441,547
SR Pd 6	Lease Termination	5/6/2050	12/15/2051	1 60	\$33,482	\$70,064	\$103,545
Account Tot				17.86	\$423,297	\$599,507	\$1,022,804
Grand Tota	1				\$2,080,735	\$2,330,511	\$4,411,246

<sup>&</sup>lt;sup>3</sup> Rows and columns may not add correctly due to rounding

#### SDG&E SDG&E SONGS Detailed Annual Expenditures

Base Case: Prompt DECON, Time Reasonable Schedule, DOE Repository Opening 2024, Utility and DGC, Dry Storage (2014 Dollars in Thousands)

#### Unit 3

	Licei	nse Termination		Spent Fi	el Management			Site Restoration		1	SFSI D&D	
Year		LRW/Burlal	Other	HILABOR HILL HILLING	M Bunal	Other	A Mabar A Make	LRW4Burtal	Other	Me Wellabor See 19 4 LER	W Burla	ner test
2013	\$26	\$01	\$13	\$93	\$0	\$21	\$0	\$0	\$86	\$0	\$0]	\$0
2014	\$235	\$0	\$162	\$122	\$0	\$117	\$2	\$0	\$111	\$0	\$0	\$0
2015	\$285	\$0	\$90	\$153	\$0	\$277	\$19	\$0	\$20	\$0	\$0	\$0
2016	\$167	\$0	\$138	\$257	\$0	\$82	\$42	\$0	\$99	\$0	\$0	\$0
2017	\$89	\$0	\$59	\$174	\$0	\$61	\$8	\$0	\$7	\$0	\$0	\$0
2018	\$104	\$0	\$123	\$182	\$0	\$66	\$0	\$0	\$0	\$0	\$0	\$0
2019		\$0	\$86	\$99	\$0	\$18	\$1	\$0	\$40	\$0	\$0	\$0
2020		\$0	\$96	\$14	\$0	\$2	\$6	\$0	\$1	\$0	\$0	\$0
2021		\$0	\$185	\$16	\$0	\$2	\$1	\$0	\$1	\$0	\$0	
2022		\$0	\$168	\$25	\$0	\$3	\$2	\$0	\$12	\$0	\$0	\$0 \$0
2023	\$240	\$0	\$107	\$26	\$0	\$3,	\$7	\$0	\$1	\$0	\$0	\$0
2024		\$0	\$29	\$37	\$0	\$2	\$98	\$0	\$112	\$0	\$0	\$0 \$0
2025		\$0'	\$5	\$55	\$0	\$1	\$202	\$0	\$70	\$0	\$0	\$0
2026		\$0 <sup>i</sup>	\$7]	\$37	\$0	\$2	\$100	\$0	\$37	\$0	\$0	\$0
2027		\$0	\$6	\$35	\$0	\$1	\$104	\$0	\$39	\$0	\$0	\$0
2028		\$0	\$5	\$33	\$0]	\$1	\$91	\$0	\$25	\$0	\$0	\$0
2029		\$0	\$1	\$24	\$0	\$0	\$135	\$0)	\$54	\$0	\$0	\$0
2030		\$0,	\$1	\$26	\$0)	\$0	\$131	\$0	\$52	\$0	\$0]	\$0
2031	\$4	\$0	\$6	\$31	\$0	\$2	\$112	\$0	\$37	\$0	\$0	\$0 \$0
2032		\$0	\$11	\$122	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0
2033		\$01	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0 \$0
2034	\$0	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2035		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2036		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2037		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2038		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2039		\$0	\$0	\$0	\$0]	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2040		\$0	\$0	\$0	\$0	\$16,	\$0	\$0	\$0	\$0	\$0	\$0
2041	\$0	\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2042		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2043		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0!	\$0	\$0
2044		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2045		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2046		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2047		\$0 <sub>1</sub>	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2048		\$0	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$0	\$0	\$0
2049		\$0	\$0	\$142	\$0	\$59	\$0	\$0	\$0	\$0	\$0	\$0
2050		\$0	\$0	\$58	\$0	\$14	\$86	\$0	\$49	\$0	\$0	\$0
2051		\$0'	\$0	\$30	\$0	\$9	\$190	\$0	\$73	\$0	\$0	\$0
2052		\$0	\$0	\$0	\$0	\$0	\$01	\$0	\$0	\$0	\$0	\$0
	\$2,371	\$0	\$1,297	\$1,794	\$0	\$1,016	\$1,337	\$0	\$926	\$0	\$0	\$0

Total SDG&E Costs for Unit 2 Units 2 & 3 Total

\$8,741 \$16,549

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E	scalatio	on Rates	5
Year	Labor	Burial	Other
2011			
2012			
2013			
2014			
2015	2.55%	1.74%	1.48%
2016	2.81%	1.75%	1.47%
2017	3.05%	1.88%	1.44%
2018	3 03%	2.01%	1.51%
2019	3.09%	1.89%	1.45%
2020	3.07%	2.01%	1.56%
2021	2.98%	2.05%	1.66%
2022	2.96%	1.89%	1.53%
2023	2.94%	ໍ∍ 1.90%	1.58%
2024	2.86%	1.90%	1.53%
2025	2.96%	2.00%	1.62%
2026	2.94%	2.06%	1.72%
2027	2.91%	7.33%	1.70%
2028	2.83%	7.33%	1.69%
2029	2.86%	7.33%	1.68%
2030	2.89%	7.33%	1.68%
2031	2.81%	7.33%	1.71%
2032	2.83%	7.33%	1.74%
2033	2.85%	7.33%	1.79%
2034	2 82%	7.33%	1 76%
2035	2.84%	7.33%	1.79%
2036	2.89%	7.33%	1.82%
2037	2.86%	7.33%	1.87%
2038	2.82%	7.33%	1.85%
2039	2.83%	7.33%	1,82%
2040	2 87%	7.33%	1.83%
2041	2.91%	7.33%	1.90%
2042	2.82%	7.33%	1.85%
2043	2.78%	7.33%	1.82%
2044	2.85%	7.33%	1.84%
2045	2.84%	7.33%	1.85%
2046	2.84%	7.33%	1.85%
2047	2 84%	7.33%	1,85%
2048	2.84%	7.33%	1.85%
2049	2.84%	7.33%	1.85%
2050	2.84%	7.33%	1.85%
2051	2.84%	7.33%	1.86%
2052	2.84%	7.33%	1.86%

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# Unit 3 Taxes

### **SONGS 3 - Taxes**

	Nonqualified Trust		Qualified Trust		
	Fixed Income		Equity		
Total Taxes	Tax Benefit, Prior- Year Withdrawal	Capital Gains Tax on Realized Gain	Capital Gains Tax, Decommissioning Withdrawal	Capital Gain Tax, Rebalance Withdrawal	ear -
(9,67		(2,392)	(7,280)	l	14
(13,75)	-	(8,802)	(4,956)	-	15
(10,24	-	(7,065)	(3,177)	-	16
(9,52	-	(5,405)	(1,786)	(2,331)	17
(8,38	-	(3,914)	(1,885)	(2,584)	18
(6,27	-	(2,841)	(1,340)	(2,090)	19
(4,74	-	(2,052)	(950)	(1,738)	20
(3,94	-	(1,362)	(1,123)	(1,463)	21
(1,93	-	(1,141)	(746)	(47)	22
(1,62	-	(972)	(600)	(52)	23
(1,25	-	(877)	(332)	(50)	24
(1,09	-	(814)	(226)	(54)	25
(96	-	(778)	(137)	(54)	26
(95	-	(744)	(152)	(55)	27
(90	-	(720)	(130)	(53)	28
(1,17	-	(610)	(516)	(52)	29
(1,05)	-	(501)	(520)	(36)	30
(65)	-	(474)	(156)	(27)	31
(55)	-	(471)	(47)	(33)	32
(54)	-	(472)	(35)	(35)	33
(54	-	(474)	(35)	(36)	34
(54)	_	(478)	(35)	(36)	35
(55)	-	(481)	(38)	(37)	36
(56	-	(485)	(39)	(37)	37
(56	-	(490)	(40)	(37)	38
(57)	-	(495)	(41)	(38)	39
(58	-	(500)	(42)	(38)	40
(58	-	(505)	(43)	(39)	41
(59)	_	(511)	(44)	(39)	42
(60	-	(516)	(45)	(39)	43
(60)	-	(522)	(46)	(40)	44
(61:	-	(527)	(47)	(40)	45
(62)	-	(533)	(48)	(41)	46
(62)	-	(538)	(49)	(41)	47
(63)	-	(544)	(51)	(42)	48
(2,174	-	(0)	(0)	(2,174)	49
(=,=)	-	(0)	(0)	(0)	50
) (	-	(0)	(0)	(0)	51
) (	-	(0)	(0)	(0)	52
(90,24	-	(50,005)	(26,734)	(13,507)	ıls

						SONGS 3 Q (Market Va			•				
Year	Beginning Of Year Balance	Rebalance Withdrawal	Capital Gain Tax, Rebalance Withdrawal	Contribution	Decommission - ing Withdrawal	Capital Gams Tax, Decommission - ing Withdrawal	1 96% Dıvıdend	5 18% Price Appreciation	Unrealized Gain	Realized Gain (Turnover)	Capital Gains Tax on Realized Gam	Realized Gain (After Tax)	End Of Year Balance
201409													303,469
2014	303,469	0	0	336		-7,280	1,011	3,670		8,834		6,442	265,272
2015	265,272	0		1,343		-4,956	3,591	13,036		32,515		23,713	245,507
2016	245,507	0	0	0	-18,973	-3,177	3,348	12,152		26,096		19,031	231,792
2017	231,792	-16,786		0			2,933	10,645		19,964		14,559	206,198
2018	206,198	-22,064	-2,584	0	-16,091	-1,885	2,464	8,945		14,459		10,545	171,069
2019	171,069	-20,745	-2,090	0	,		2,012	7,304		10,494		7,653	140,065
2020	140,065	-19,685	-1,738	0	;	-950	1,611	5,846		7,578		5,527	112,334
2021	112,334	-18,560	-1,463	0			1,209	4,387	•	5,030		3,668	81,178
2022	81,178	-650		0			1,070	3,884	,	4,215		3,074	73,177
2023	73,177	-789		0			964	3,500		3,590		2,618	66,213
2024	66,213	-800		0	- ,		893	3,242	•	3,239		2,362	62,971
2025	62,971	-910		0	-,+		857	3,109		3,006		2,192	61,105
2026	61,105	-956		0	-,		840	3,049		2,874		2,096	60,641
2027	60,641	-1,010		0	-,•		830	3,011		2,749		2,005	59,709
2028	59,709	-1,004		0	-,			2,973				1,939	59,109
2029	59,109	-1,015		0	10,000			2,734	,			1,644	50,319
2030	50,319	-698		0	,							1,350	41,289
2031	41,289	-532		0	-,			,				1,277	39,631
2032	39,631	-659		0			549		•			1,269	40,017
2033	40,017	-716		0								1,272	40,632
2034	40,632	-738		0				,		,		1,278	41,244
2035	41,244	-752	-36	C								1,286	41,855
2036	41,855	-766		C								1,296	· ·
2037	42,420	-778		0				-		,		1,307	42,982
2038	42,982	-790		C			596	•	•			1,320	43,542
2039	43,542	-801						,				1,333	
2040	44,099	-812						2,218				1,347	44,651
2041	44,651	-823		C								1,361	45,197
2042	45,197	-833										1,376	
2043	45,737	-844			,								46,270
2044	46,270	-854										1,406	•
2045	46,796	-863			-,			,				1,421	
2046	47,313	-873		(	-,								
2047	47,820	-882		0								1,450	
2048	48,316	-891			_,			,				1,464	
2049	48,800	-46,626						(			•	0	•
2050	0	0		(			-		) (		0	-	•
2051	0	0	-	(			-		) (		00		
2052	0	0	0	(	) (	) (	0	(	) (	) (	0 0	0	0
Totals	L	-166,505	-13,507	1,679	-218,617	-26,734	36,766	133,454	1,056,059	184,71	050,005	134,705	

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	(			onqualified ue Starting		
Year	Beginning Of Year Balance	Tax Benefit, Prıor-Year Wıthdrawal	Contribution	2 63% After Tax Return	Decommission -ing Withdrawal	End Of Yea Balance
201409			·			
2014	0	0	0	0	0	
2015	0	0	ů 0	0	0	
2016	0	0	•	0	0	
2017	0	0		0	0	
2018	0	0		ů 0	0	
2019	0	0		0	0	
2020	0	0		0	0	
2021	0	0		0	0	
2022	0	0		0	0	
2023	0	0		0	0	
2024	0	0		0	0	
2025	0	0		0	0	
2026	0	0		0	0	
2027	0	0		0	0	
2028	0	0		0	0	
2029	0	0		0	0	
2030	0	0		0	0	
2031	0	0		0	0	
2032	0	0		0	0	
2033	0	0		0	0	
2034	0	0		0	0	
2035	0	0		0	0	
2036	0	0		0	0	
2037	0	0		0	0	
2038	0	0		0	0	
2039	0	0		0	0	
2040	0	0		0	0	
2041	0	0		0	0	
2042	0	0		0	0	
2043 2044	0	0		0	0	
2044 2045	0	0		0	0	
2045	0 0	0		0	0	
2046 2047	0	0 0		0	0	
2047	0	0		0	0	
2048	0	0		0	0	
2049	0	U 0		0	0	
2050	0			0	0	
2051	0	0 0		0	0 0	
	0	U				

## SONGS 3 Qualified Trust Equity, Cost Basis

	Beginning Of	Rebalance		Decement	Dividends Earned	Realized Gain	End Of Year
Year	Year Balance	Withdrawal	Contribution	Decommission - ing Withdrawal	(After Tax)	(After Tax)	Balance
201409					()	(	103,569
2014	103,569	0	336	-13,932	1,011	6,442	97,426
2015	97,426	0	1,343	-10,626	3,591	23,713	115,447
2016	115,447	0	0	-10,416	3,348	19,031	127,410
2017	127,410	-10,508	0	-8,053	2,933	14,559	126,341
2018	126,341	-15,103	0	-11,014	2,464	10,545	113,233
2019	113,233	-15,115	0	-9,694	2,012	7,653	98,090
2020	98,090	-15,003	0	-8,203	1,611	5,527	82,021
2021	82,021	-14,620	0	-11,220	1,209	3,668	61,058
2022	61,058	-524	0	-8,361	1,070	3,074	56,317
2023	56,317	-647	0	-7,401	964	2,618	51,851
2024	51,851	-665	0	-4,425	893	2,362	50,016
2025	50,016	-766	0	-3,220	857	2,192	49,080
2026	49,080	-811	0	-2,060	840	2,096	49,144
2027	49,144	-863	0	-2,402		2,005	48,713
2028	48,713	-862	0	-2,134		1,939	48,476
2029	48,476	-875	0	-8,693	753	1,644	41,304
2030	41,304	-602	0	-8,799	632	1,350	33,885
2031	33,885	-459	0	-2,636		1,277	32,626
2032	32,626	-569	0	-817	549	1,269	33,057
2033	33,057	-621	0	-606		1,272	33,658
2034	33,658	-641	0	-622		1,278	
2035	34,236	-655	0	-640		1,286	
2036	34,799	-668	0	-697	580	1,296	
2037	35,311	-678	0	-716		1,307	35,813
2038	35,813	-689	0	-734		1,320	· ·
2039	36,305	-699	0	-753		1,333	36,788
2040	36,788	-709	0	-773		1,347	
2041	37,263 37,730	-719 -728	0	-794 -814		- 1,361	37,730
2042	37,730	-728 -737	0	-814 -835		1,376	
2043	38,642	-737 -746	0	-835 -856		1,391 1,406	-
2044	38,042 39,086	-740 -755	0	-836 -879		1,406	
2045	39,080	-753	0	-879 -901	655	1,421	,
2040	39,321 39,947	-763	0	-901 -925		,	
2047	40,363	-779	0	-923 -948		1,450 1,464	,
2048	40,363	-779 -40,769	0	-948 0		1,464	,
2049	40,769	-40,769	0	0	-	0	-
2050	0	0	0	0	-	0	
2051	0	0	0	0		0	
		v	Ŭ	0	0	0	Ŭ
Totals		-130,120	1,679	-146,599	36,766	134,705	

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# Unit 3 Rebalance

#### -- <del>Page 58 of 5</del>8

· · · · ·						<b></b>				<del>Page 58 of</del> {	
	SONGS 3 Rebalance Calculation								Rebalance Check		
Year	Maximum Equity Percentage	Actual Equity Percentage	Actual Fixed Income Percentage	Rebalance W1thdrawal Market	Rebalance Withdrawal Cost	Rebalance Capital Gain Tax	Rebalance Contribution Fixed Income	Ending Equity Balance + Rebalance Amount	Ending Fixed Income Balance + Rebalance Amount	Rebalance Check	
201409	59 52%	59 52%	40 48%	0	0		0	0.000	105 000	50.010/	
2014		58 91%	41 09%	0	0		0	265,272			
2015 2016		58 58% 58 51%	41 42% 41 49%	-19,117	0 -10,508		0 16,786	245,507 212,676			
2018		54 15%	41 49%	-19,117 -24,649	-10,508	-	22,064	181,549			
2017		48 18%	51 82%	-22,835	-15,115		20,745	148,234			
2019		42 28%	57 72%	-21,424	-15,003		19,685	118,641			
2020		36 33%	63 67%	-20,023	-14,620		18,560	92,311			
2021	30 00%	30 25%	69 75%	-697	-524		650	80,481			
2022		30 34%	69 66%	-841	-647		789	72,336	•		
2023		30 38%	69 62%	-850	-665		800	65,363			
2024	30 00%	30 46%	69 54%	-964	-766	-54	910	62,006	144,682	30 00%	
2025	30 00%	30 50%	69 50%	-1,010	-811	-54	956	60,095	140,221	30 00%	
2026	30 00%	30 53%	69 47%	-1,065	-863	-55	1,010	59,576	139,010	30 00%	
2027		30 53%	69 47%	-1,056	-862		1,004	58,652			
2028		30 54%	69 46%	-1,067	-875		1,015	58,042			
2029		30 44%	69 56%	-733	-602		698	49,586			
2030		30 41%	69 59%	-560	-459		532	40,729			
2031		30 53%	69 47%	-692	-569		659	38,939			
2032		30 57%	69 43%	-752	-621		716	39,265			
2033		30 57%	69 43%	-774	-641		738	39,858			
2034	1	30 58%	69 42%	-789	-655		752 766	40,455			
2035		30 58% 30 58%	69 42% 69 42%	-803 -815	-668 -678		700	41,052 41,605			
2030	1	30 58%	69 42%	-813	-689		790	41,003			
2037		30 58%	69 42%	-839	-699		801	42,703			
2030	1	30 58%	69 42%	-850	-709		812	43,248			
2040		30 58%	69 42%	-862	-719		823	43,789			
2041		30 58%	69 42%	-872			833	44,324			
2042	1	30 58%	69 42%	-883	-737		844	44,854			
2043		30 58%	69 42%	-893	-746		854	45,377			
2044	30 00%	30 58%	69.42%	-904	-755	5 -40	863	45,892	107,082	30 00%	
2045		30 58%	69 42%	-913	-763		873	46,399	108,265	30 00%	
2046		30 58%		-923	-771		882	46,897			
2047		30 58%		-932				47,383			
2048		30 63%		-48,800	-40,769			0	-		
2049		0 00%		0	(		0	0			
2050		0 00%		0	(		0	0			
2051 2052		0 00% 0 00%		0 0	(	) 0 ) 0	0				
Totals				-180,012	-130,120	-13,507	166,505				