



Units		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Average
\$	Costs											
	Load											
	Day Ahead Energy @ SP-15	\$ 2,200,279	\$ 3,242,568	\$ 2,798,355	\$ 2,810,700	\$ 2,901,395	\$ 2,993,959	\$ 3,108,260	\$ 3,232,212	\$ 3,347,894	\$ 3,462,410	\$ 2,959,514
	SDG&E DLAP Premium to SP-15	\$ 77,416	\$ 120,854	\$ 121,956	\$ 123,254	\$ 126,296	\$ 128,465	\$ 130,644	\$ 132,613	\$ 134,139	\$ 135,474	\$ 121,737
	Hourly Load Premium	\$ 98,390	\$ 143,537	\$ 144,845	\$ 146,387	\$ 150,000	\$ 152,576	\$ 155,164	\$ 157,502	\$ 159,316	\$ 160,900	\$ 145,302
	Swap/Forward Transaction Mark to Market	\$ (625,943)	\$ (318,643)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (104,954)
	RA	\$ 380,315	\$ 318,543	\$ 438,431	\$ 465,252	\$ 500,571	\$ 534,626	\$ 570,880	\$ 608,456	\$ 646,235	\$ 685,295	\$ 495,923
	CRR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	All Other Charges	\$ 54,779	\$ 97,557	\$ 98,446	\$ 99,494	\$ 101,950	\$ 103,701	\$ 105,460	\$ 107,049	\$ 108,281	\$ 109,358	\$ 97,413
	Supply											
	Solana Beach Resource #1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Bucket 1 RECs	\$ 133,191	\$ 255,753	\$ 282,816	\$ 309,137	\$ 341,516	\$ 373,432	\$ 407,151	\$ 441,989	\$ 477,027	\$ 512,943	\$ 335,779
	Bucket 2 RECs	\$ 55,684	\$ 177,418	\$ 185,483	\$ 188,869	\$ 193,935	\$ 196,600	\$ 198,144	\$ 198,158	\$ 196,245	\$ 192,735	\$ 176,726
	Additional Zero Carbon Supply	\$ 20,693	\$ 59,987	\$ 69,847	\$ 74,120	\$ 79,747	\$ 85,172	\$ 90,948	\$ 96,934	\$ 102,952	\$ 109,175	\$ 75,600
	CCA-paid											
	Wholesale Services	\$ 123,083	\$ 217,330	\$ 223,850	\$ 230,565	\$ 237,482	\$ 244,607	\$ 251,945	\$ 259,503	\$ 267,288	\$ 275,307	\$ 228,406
	Data Management	\$ 68,660	\$ 118,879	\$ 123,670	\$ 128,654	\$ 133,839	\$ 139,233	\$ 144,844	\$ 150,681	\$ 156,753	\$ 163,070	\$ 129,468
	Internal Admin	\$ 40,000	\$ 335,310	\$ 208,767	\$ 212,942	\$ 217,201	\$ 221,545	\$ 225,976	\$ 230,496	\$ 235,106	\$ 239,808	\$ 214,149
	Local Programs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SDG&E Billing Services	\$ 26,711	\$ 46,711	\$ 47,650	\$ 48,608	\$ 49,585	\$ 50,581	\$ 51,598	\$ 52,635	\$ 53,693	\$ 54,772	\$ 47,530
	Performance Bond	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,111
	Cost of Credit for Procurement	\$ 38,041	\$ 67,748	\$ 68,366	\$ 69,093	\$ 70,798	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,894
	TEA Deferred Fees	\$ 5,440	\$ 13,055	\$ 13,055	\$ 13,055	\$ 5,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,561
	Customer-paid											
	PCIA	\$ 779,908	\$ 1,801,632	\$ 1,745,337	\$ 1,693,355	\$ 1,665,744	\$ 1,626,576	\$ 1,588,000	\$ 1,547,452	\$ 1,502,658	\$ 1,456,899	\$ 1,550,074
	Franchise Fee	\$ 53,972	\$ 78,892	\$ 77,871	\$ 79,793	\$ 82,590	\$ 85,265	\$ 88,046	\$ 90,661	\$ 94,980	\$ 99,760	\$ 81,341
	CA Energy Resources/Electric Energy Surcharge	\$ 11,032	\$ 20,040	\$ 20,627	\$ 21,263	\$ 22,224	\$ 23,058	\$ 23,918	\$ 24,764	\$ 25,550	\$ 26,320	\$ 21,386
	Total Costs	\$ 3,630,617	\$ 6,777,131	\$ 6,648,745	\$ 6,693,280	\$ 6,858,090	\$ 6,936,339	\$ 7,117,059	\$ 7,306,341	\$ 7,482,568	\$ 7,657,908	\$ 6,605,574
	Total Gen Costs	\$ 2,796,737	\$ 4,896,607	\$ 4,825,537	\$ 4,920,131	\$ 5,109,756	\$ 5,224,498	\$ 5,441,013	\$ 5,668,228	\$ 5,884,930	\$ 6,101,249	\$ 4,974,160
	Wholesale Revenues											
	Solana Beach Owned Resources											
	Solana Beach Resource #1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Net											
	Annual Spend	\$ (3,630,617)	\$ (6,777,131)	\$ (6,648,745)	\$ (6,693,280)	\$ (6,858,090)	\$ (6,936,339)	\$ (7,117,059)	\$ (7,306,341)	\$ (7,482,568)	\$ (7,657,908)	\$ (6,605,574)
	Annual Spend (Gen Only)	\$ (2,796,737)	\$ (4,896,607)	\$ (4,825,537)	\$ (4,920,131)	\$ (5,109,756)	\$ (5,224,498)	\$ (5,441,013)	\$ (5,668,228)	\$ (5,884,930)	\$ (6,101,249)	\$ (4,974,160)
	Retail Revenues											
	Uncollected Accounts	\$ (11,838)	\$ (14,195)	\$ (14,088)	\$ (14,735)	\$ (15,524)	\$ (16,322)	\$ (17,147)	\$ (17,935)	\$ (19,186)	\$ (20,562)	\$ (15,663)
	Reserves											
	Annual Reserves Contribution	\$ 1,137,517	\$ (179,055)	\$ (143,741)	\$ (23,106)	\$ 49,264	\$ 199,922	\$ 257,362	\$ 292,261	\$ 491,298	\$ 732,312	\$ 231,302
	Cumulative Reserves	\$ 1,137,517	\$ 958,462	\$ 814,721	\$ 791,615	\$ 840,878	\$ 1,040,800	\$ 1,298,162	\$ 1,590,423	\$ 2,081,721	\$ 2,814,033	\$ 1,172,700
	Percentage of Retail Revenue	29%	-4%	-3%	0%	1%	4%	5%	5%	8%	11%	
	Ratepayer Savings											
	Annual Savings	\$ (72,906)	\$ 204,503	\$ 201,621	\$ 206,750	\$ 214,110	\$ 221,214	\$ 228,605	\$ 235,563	\$ 247,208	\$ 260,127	\$ 187,408
	Cumulative Savings	\$ (72,906)	\$ 131,597	\$ 333,219	\$ 539,968	\$ 754,078	\$ 975,292	\$ 1,203,897	\$ 1,439,460	\$ 1,686,668	\$ 1,946,795	\$ 776,808
	Load											
MWh	Wholesale Load (w/Distribution Losses)	38,041	67,748	68,366	69,093	70,798	72,014	73,236	74,339	75,195	75,943	67,648
\$/MWh	Wholesale Energy Cost per MWh	\$ 74.94	\$ 73.44	\$ 71.72	\$ 72.36	\$ 73.34	\$ 73.73	\$ 75.50	\$ 77.47	\$ 79.53	\$ 81.65	\$ 75
MWh	Retail Load	36,333	64,707	65,297	65,992	67,620	68,782	69,948	71,002	71,820	72,534	64,611
\$/MWh	Retail Energy Cost per MWh	\$ 76.97	\$ 75.67	\$ 73.90	\$ 74.56	\$ 75.57	\$ 75.96	\$ 77.79	\$ 79.83	\$ 81.94	\$ 84.12	\$ 77
	Rates											
\$/MWh	Average Retail Rate	\$ 131.56	\$ 102.19	\$ 99.84	\$ 101.30	\$ 102.38	\$ 103.99	\$ 105.67	\$ 107.27	\$ 111.29	\$ 115.96	\$ 107
	Reserves	\$ 31.31	\$ (2.77)	\$ (2.20)	\$ (0.35)	\$ 0.73	\$ 2.91	\$ 3.68	\$ 4.12	\$ 6.84	\$ 10.10	\$ 5
\$/MWh	All-in Retail Energy Cost	\$ 99.93	\$ 104.74	\$ 101.82	\$ 101.43	\$ 101.42	\$ 100.85	\$ 101.75	\$ 102.90	\$ 104.19	\$ 105.58	\$ 102

	Generation	\$ 76.97	\$ 75.67	\$ 73.90	\$ 74.56	\$ 75.57	\$ 75.96	\$ 77.79	\$ 79.83	\$ 81.94	\$ 84.12	\$	77
	PCIA	\$ 21.47	\$ 27.84	\$ 26.73	\$ 25.66	\$ 24.63	\$ 23.65	\$ 22.70	\$ 21.79	\$ 20.92	\$ 20.09	\$	24
	Franchise Fee	\$ 1.49	\$ 1.22	\$ 1.19	\$ 1.21	\$ 1.22	\$ 1.24	\$ 1.26	\$ 1.28	\$ 1.32	\$ 1.38	\$	1
	Generation Breakdown												
	Supply	\$ 66.96	\$ 64.37	\$ 64.45	\$ 64.95	\$ 66.05	\$ 66.42	\$ 68.15	\$ 70.07	\$ 72.01	\$ 74.01	\$	67
	Admin (Internal/External)	\$ 6.38	\$ 10.38	\$ 8.52	\$ 8.67	\$ 8.70	\$ 8.80	\$ 8.90	\$ 9.02	\$ 9.18	\$ 9.35	\$	9
	Other Overhead (Financing, SDG&E Billing, etc.)	\$ 3.64	\$ 0.92	\$ 0.93	\$ 0.93	\$ 0.81	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.75	\$ 0.76	\$	1
	Total Overhead	\$ 10.02	\$ 11.30	\$ 9.45	\$ 9.60	\$ 9.52	\$ 9.54	\$ 9.64	\$ 9.76	\$ 9.93	\$ 10.11	\$	10
		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	
	Headroom	\$ 29.63	\$ 0.61	\$ 1.10	\$ 3.01	\$ 4.12	\$ 6.36	\$ 7.19	\$ 7.69	\$ 10.55	\$ 13.97	\$	8
	Ratesavings Cost (in Headroom)	\$ (2.01)	\$ 3.16	\$ 3.09	\$ 3.13	\$ 3.17	\$ 3.22	\$ 3.27	\$ 3.32	\$ 3.44	\$ 3.59	\$	
\$/MWh	SDG&E Avg Load Weighted Bundled Rate	\$ 129.55	\$ 105.35	\$ 102.93	\$ 104.43	\$ 105.55	\$ 107.21	\$ 108.94	\$ 110.59	\$ 114.74	\$ 119.54	\$	110
	Generation	\$ 129.55	\$ 105.35	\$ 102.93	\$ 104.43	\$ 105.55	\$ 107.21	\$ 108.94	\$ 110.59	\$ 114.74	\$ 119.54	\$	110

	Environmental												
	SDG&E Renewable Content	44%	44%	45%	46%	46%	47%	47%	47%	48%	48%		
	CCA Renewable Content (Procured)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%		
	CPUC RPS Requirement	29%	31%	33%	35%	36%	38%	40%	42%	43%	45%		
	CCA Renewable Advantage	6%	6%	5%	4%	4%	3%	3%	3%	2%	2%		
MWh	CCA Renewable Generation/RECs	18,167	32,353	32,648	32,996	33,810	34,391	34,974	35,501	35,910	36,267		
MWh	CCA Zero Carbon Generation (non-renewable)	10,500	0	0	0	0	0	0	0	0	0		
	SDG&E GHG												
lb/MWh	Default Emissions Rate	942	942	942	942	942	942	942	942	942	942		
	SDG&E Zero Carbon Percentage	29%	31%	33%	35%	36%	38%	40%	42%	43%	45%		
lb/MWh	SDG&E GHG Emissions Factor	328	307	290	274	258	242	226	210	194	178		
	Solana Beach GHG												
lb	Solana Beach GHG Annual Emissions	8,830,522	33,341,652	33,645,654	34,003,731	34,842,993	35,441,351	36,042,529	36,585,644	37,006,874	37,374,952		
lb/MWh	Solana Beach GHG Emissions Factor	243	515	515	515	515	515	515	515	515	515		
	Solana Beach GHG Free Target (Wholesale Load)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%		
	Solana Beach GHG Free	79%	50%	50%	50%	50%	50%	50%	50%	50%	50%		

SCENARIO ANALYSIS													
	Percent of Bal-year Load Hedged	106%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Scenario Price Increase (\$/MWh)	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00
	Scenario Change in Costs	\$ (2,354)	\$ 16,746	\$ 68,366	\$ 69,093	\$ 70,798	\$ 72,014	\$ 73,236	\$ 74,339	\$ 75,195	\$ 75,943	\$	
	Scenario Total Retail Energy Cost	\$ (3,628,263)	\$ (6,793,878)	\$ (6,717,111)	\$ (6,762,373)	\$ (6,928,889)	\$ (7,008,353)	\$ (7,190,295)	\$ (7,380,681)	\$ (7,557,763)	\$ (7,733,852)	\$	
	Scenario Retail Energy Cost (\$/MWh)	\$ 99.86	\$ 105.00	\$ 102.87	\$ 102.47	\$ 102.47	\$ 101.89	\$ 102.79	\$ 103.95	\$ 105.23	\$ 106.62	\$	
	Net Effect on Headroom	\$ 0.06	\$ (0.26)	\$ (1.05)	\$ (1.05)	\$ (1.05)	\$ (1.05)	\$ (1.05)	\$ (1.05)	\$ (1.05)	\$ (1.05)	\$	
	Bal-year begin month	12/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022	1/1/2023	1/1/2024	1/1/2025	1/1/2026	1/1/2027		
	End Date	12/31/2018	12/31/2019	12/31/2020	12/31/2021	12/31/2022	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/1/2027		

Average Customer Savings													
	Residential Customer Count	6,140	6,201	6,263	6,326	6,389	6,453	6,518	6,583	6,649	6,715		
	Commercial Customer Count	91	92	93	94	95	96	97	98	99	100		
	Residential Avg. Monthly Savings	\$ 1.67	\$ 1.41	\$ 1.38	\$ 1.40	\$ 1.43	\$ 1.47	\$ 1.50	\$ 1.53	\$ 1.59	\$ 1.66		
	Commercial Avg. Monthly Savings	\$ 52.26	\$ 46.67	\$ 45.56	\$ 46.26	\$ 47.43	\$ 48.52	\$ 49.64	\$ 50.65	\$ 52.63	\$ 54.83		
	Residential (cents/kWh)	\$ 0.14	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.12	\$ 0.12	\$ 0.12		
	Residential Savings	\$ 122,810	\$ 105,030	\$ 103,550	\$ 106,184	\$ 109,964	\$ 113,613	\$ 117,409	\$ 120,982	\$ 126,963	\$ 133,598		
	Commercial Savings	\$ 113,832	\$ 98,350	\$ 96,964	\$ 99,430	\$ 102,969	\$ 106,386	\$ 109,941	\$ 113,287	\$ 118,887	\$ 125,100		
	Other Savings	\$ 819	\$ 1,124	\$ 1,108	\$ 1,136	\$ 1,176	\$ 1,215	\$ 1,256	\$ 1,294	\$ 1,358	\$ 1,429		
	Total Savings	\$ 237,461	\$ 204,503	\$ 201,621	\$ 206,750	\$ 214,110	\$ 221,214	\$ 228,605	\$ 235,563	\$ 247,208	\$ 260,127		