CITY OF **SAN DIEGO**

FEASIBILITY STUDY FOR A COMMUNITY CHOICE AGGREGATE

JULY 2017 | FINAL DRAFT

EXHIBITS

WILLDAN FINANCIAL SERVICES | EnerNex

This page intentionally left blank.

EXHIBIT TABLE OF CONTENTS

DEFINITION OF SCENARIOS AND SENSITIVITIES

PRO FORMA OUTPUTS BY SCENARIO

Base Case – 50% RPS 2% Opt Up to 100%

CCA Revenue Requirement 1
CCA Customer Summary 2
CCA Rates 3
Estimated Revenue by Rate Class 4
Projected Operating Results Calendar Years 2020 – 2029 7
Projected CCA Expenses Calendar Years 2020 – 2035 11
CCA Staffing 14
Projected ESP Costs Calendar Year 2020-2035 15
Summary of Cash Flow 18
Summary of Opt-Out 27
Capital Improvement Program Calendar Year 2020-2035 28
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 30

Scenario 2 – 50% RPS 95% CI

CCA Revenue Requirement 41
CCA Customer Summary 42
CCA Rates 43
Estimated Revenue by Rate Class 44
Projected Operating Results Calendar Years 2020 - 2029 47
Projected CCA Expenses Calendar Years 2020 - 2035 51
CCA Staffing 54
Projected ESP Costs Calendar Year 2020-2035 55
Summary of Cash Flow 58
Summary of Opt-Out 67
Capital Improvement Program Calendar Year 2020-2035 68
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 70

EXHIBIT TABLE OF CONTENTS (continued)

Scenario 3 – 80% RPS 95% CI

CCA Revenue Requirement 81
CCA Customer Summary 82
CCA Rates 83
Estimated Revenue by Rate Class 84
Projected Operating Results Calendar Years 2020 - 2029 87
Projected CCA Expenses Calendar Years 2020 - 2035 91
CCA Staffing 94
Projected ESP Costs Calendar Year 2020-2035 95
Summary of Cash Flow 98
Summary of Opt-Out 107
Capital Improvement Program Calendar Year 2020-2035 108
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 110

Scenario 4- 100% RPS 95% CI

CCA Revenue Requirement 121
CCA Customer Summary 122
CCA Rates 123
Estimated Revenue by Rate Class 124
Projected Operating Results Calendar Years 2020-2029 127
Projected CCA Expenses Calendar Years 2020-2035 131
CCA Staffing 134
Projected ESP Costs Calendar Year 2020-2035 135
Summary of Cash Flow 138
Summary of Opt-Out 147
Capital Improvement Program Calendar Year 2020-2035 148
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 150

Scenario 5- 80% RPS 2% Opt Up to 100%

CCA Revenue Requirement 161
CCA Customer Summary 162
CCA Rates 163
Estimated Revenue by Rate Class 164
Projected Operating Results Calendar Years 2020-2029 167
Projected CCA Expenses Calendar Years 2020-2035 171
CCA Staffing 174
Projected ESP Costs Calendar Year 2020-2035 175
Summary of Cash Flow 178
Summary of Opt-Out 187
Capital Improvement Program Calendar Year 2020-2035 188
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 190

EXHIBIT TABLE OF CONTENTS (continued)

Sensitivity 1- High SDG&E Rates

CCA Revenue Requirement	201
CCA Customer Summary	202
CCA Rates	203
Estimated Revenue by Rate Class	204
Projected Operating Results Calendar Years 2020-2029	207
Projected CCA Expenses Calendar Years 2020-2035	211
CCA Staffing	214
Projected ESP Costs Calendar Year 2020-2035	215
Summary of Cash Flow	218
Summary of Opt-Out	227
Capital Improvement Program Calendar Year 2020-2035	228
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035	230

Sensitivity 2- Low SDGE&E Rates

CCA Revenue Requirement	241
CCA Customer Summary	242
CCA Rates	243
Estimated Revenue by Rate Class	244
Projected Operating Results Calendar Years 2020-2029	247
Projected CCA Expenses Calendar Years 2020-2035	2511
CCA Staffing	254
Projected ESP Costs Calendar Year 2020-2035	255
Summary of Cash Flow	258
Summary of Opt-Out	267
Capital Improvement Program Calendar Year 2020-2035	268
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035	270

Sensitivity 3- High PCIA

CCA Revenue Requirement	281
CCA Customer Summary	282
CCA Rates	283
Estimated Revenue by Rate Class	284
Projected Operating Results Calendar Years 2020-2029	287
Projected CCA Expenses Calendar Years 2020-2035	291
CCA Staffing	294
Projected ESP Costs Calendar Year 2020-2035	295
Summary of Cash Flow	298
Summary of Opt-Out	307
Capital Improvement Program Calendar Year 2020-2035	308
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035	310

EXHIBIT TABLE OF CONTENTS (continued)

Sensitivity 4- Low PCIA

CCA Revenue Requirement 321
CCA Customer Summary 322
CCA Rates 323
Estimated Revenue by Rate Class 324
Projected Operating Results Calendar Years 2020-2029 327
Projected CCA Expenses Calendar Years 2020-2035 331
CCA Staffing 334
Projected ESP Costs Calendar Year 2020-2035 335
Summary of Cash Flow 338
Summary of Opt-Out 347
Capital Improvement Program Calendar Year 2020-2035 348
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 350

Sensitivity 5- High Opt Out

CCA Revenue Requirement 361
CCA Customer Summary 362
CCA Rates 363
Estimated Revenue by Rate Class 364
Projected Operating Results Calendar Years 2020-2029 367
Projected CCA Expenses Calendar Years 2020-2035 371
CCA Staffing 374
Projected ESP Costs Calendar Year 2020-2035 375
Summary of Cash Flow 378
Summary of Opt-Out 387
Capital Improvement Program Calendar Year 2020-2035 388
CCA Rate Comparisons to SDG&E Calendar Years 2020-2035 390

Sensitivity 6- Low Opt Out

CCA Revenue Requirement 401
CCA Customer Summary 402
CCA Rates 403
Estimated Revenue by Rate Class 404
Projected Operating Results Calendar Years 2020-2029 407
Projected CCA Expenses Calendar Years 2020-2035 411
CCA Staffing 414
Projected ESP Costs Calendar Year 2020-2035 415
Summary of Cash Flow 418
Summary of Opt-Out 427
Capital Improvement Program Calendar Year 2020-2035 428
CCA Rate Comparisons to SDG&E Calendar Years 220-2035 430

EXHIBIT TABLE OF CONTENTS (concluded)

RATE COMPARISONS AND OPERATING RESULTS TABLES

Rate Comparison Tables by Scenario and Sensitivity 441

Key Operating Results by Scenario 449

Key Operating Results by Sensitivity 451

This page intentionally left blank.

DEFINITION OF SCENARIOS AND SENSITIVITIES

The Pro Forma outputs correspond to the Scenarios and Sensitivities defined in the main report Table 2 on page 6 and Table 3 on page 8. They are reproduced here for the ease of the reader.

For purposes of the pro forma results presented in this Exhibit, the acronym "RPS" refers to the renewable portfolio content or RPC as used throughout the main report.

Scenario	Description
Base Case Scenario:	50% Renewable Portfolio Content power supply for 98% of CCA customers with the remaining 2% of CCA customers opting up to the 100% Renewable Portfolio Content optional program
Scenario 2:	50% Renewable Portfolio Content power supply for all customers
Scenario 3:	80% Renewable Portfolio Content power supply for all customers
Scenario 4:	100% Renewable Portfolio Content power supply for all customers
Scenario 5:	80% Renewable Portfolio Content power supply for 98% of CCA customers with the remaining 2% of CCA customers opting up to the 100% Renewable Portfolio Content optional program

Sensitivity	Description	Assumption
Sensitivity 1:	High SDG&E Rates	6% increase in SDG&E 2020 rates, annual Base Case escalation plus 6% each year thereafter
Sensitivity 2:	Low SDG&E Rates	2% decrease in SDG&E 2020 rates, annual Base Case escalation less 2% each year thereafter
Sensitivity 3:	High PCIA	10% increase in Power Charge Indifference Adjustment in 2020, annual Base Case escalation plus 10% each year thereafter
Sensitivity 4:	Low PCIA	2.5% decrease in Power Charge Indifference Adjustment in 2020, annual Base Case escalation less 2.5% each year thereafter
Sensitivity 5:	High Opt Out	25% of eligible CCA customers opting out
Sensitivity 6:	Low Opt Out	15% of eligible CCA customers opting out

This page intentionally left blank.

PRO FORMA OUTPUTS

BASE CASE SCENARIO

50% RPS 2% OPT UP TO 100%

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	7,916,022
4	Total Non-Operating Expenses		24,139,048
5	Power Costs		668,991,523
6	Contingency/Rate Stabilization Fund		71,681,814
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**772,728,407**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	161,551
10	Total Non-Operating Expenses		492,634
11	Power Costs		16,936,848
12	Contingency/Rate Stabilization Fund		1,462,894
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**19,053,928**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**791,782,335**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description	Accounts	Test Year Annual Load (MWh)	Test Year Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,403
3	Outdoor Lighting Small <20kW	330	23,848	6,028
4	Commercial/Industrial Small <20kW	38,255	652,769	1,422
5	Commercial/Industrial Large >20kW	7,329	2,872,328	32,660
6	Residential	324,855	1,513,904	388
7	Residential CARE	88,021	432,703	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**459,875**	**5,552,985**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	664	11,333	1,422
14	Commercial/Industrial Large >20kW	87	33,998	32,660
15	Residential	14,591	67,996	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**15,341**	**113,326**	**34,471**
19	**TOTAL CCA**	**475,216**	**5,666,311**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Base Case - 50% RPS 2% Opt Up to 100%**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1700	0.0561	0.2000	0.0861
2	Outdoor Lighting Small <20kW	0.1400	0.0633	0.1700	0.0933
3	Commercial/Industrial Small <20kW	0.1800	0.0802	0.2100	0.1102
4	Commercial/Industrial Large >20kW	0.1900	0.0717	0.2200	0.1017
5	Residential	0.2100	0.0884	0.2400	0.1184
6	Residential CARE	0.2000	0.0877	0.2300	0.1177
7	Residential Outdoor Lighting	0.1400	0.0580	0.1700	0.0880

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Estimated Revenue by Rate Class

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Base Case - 50% RPS 2% Opt Up to 100% with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,253	55,828	55,730	55,666	55,697
2	Outdoor Lighting Small <20kW	15,231	23,902	23,861	23,824	23,860
3	Commercial/Industrial Small <20kW	101,195	654,172	653,106	652,280	652,921
4	Commercial/Industrial Large >20kW	1,983,116	2,878,573	2,873,865	2,870,269	2,872,852
5	Residential	-	1,038,519	1,514,735	1,512,828	1,514,149
6	Residential CARE	-	296,840	432,941	432,396	432,774
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988
	Base Case - 50% RPS 2% Opt Up to 100% with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,835	11,357	11,339	11,324	11,335
12	Commercial/Industrial Large >20kW	23,383	34,071	34,016	33,973	34,004
13	Residential	-	46,683	68,032	67,947	68,008
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	25,218	92,111	113,387	113,245	113,347
17	**Total MWh**	**2,165,013**	**5,041,116**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 4,848,037	$ 6,723,868	$ 6,712,068	$ 6,704,280	$ 6,708,089
20	Outdoor Lighting Small <20kW	1,499,458	2,353,160	2,349,084	2,345,432	2,348,947
21	Commercial/Industrial Small <20kW	13,358,298	86,354,641	86,214,005	86,104,909	86,189,603
22	Commercial/Industrial Large >20kW	265,560,585	385,471,925	384,841,399	384,359,835	384,705,799
23	Residential	-	157,449,090	229,647,762	229,358,684	229,558,945
24	Residential CARE	-	43,360,845	63,241,789	63,162,189	63,217,411
25	Residential Outdoor Lighting	-	115,264	170,811	170,582	170,787
26	Total	285,266,378	681,828,793	773,176,919	772,205,911	772,899,580
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	200,018	1,238,032	1,236,043	1,234,491	1,235,602
30	Commercial/Industrial Large >20kW	2,705,251	3,941,730	3,935,398	3,930,455	3,933,992
31	Residential	-	5,823,918	8,487,375	8,476,715	8,484,343
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 2,905,269	$ 11,003,680	$ 13,658,816	$ 13,641,661	$ 13,653,937
35	**TOTAL RATE REVENUE**	**$ 288,171,647**	**$ 692,832,473**	**$ 786,835,735**	**$ 785,847,572**	**$ 786,553,516**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 216,128,735**	**$ 649,403,306**	**$ 771,168,524**	**$ 786,012,266**	**$ 786,435,859**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Anal

Estimated Revenue by Rate Class

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Base Case - 50% RPS 2% Opt Up to 100% with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,428	55,399	55,357	55,425	55,251	55,252
2	Outdoor Lighting Small <20kW	23,732	23,719	23,701	23,748	23,654	23,656
3	Commercial/Industrial Small <20kW	649,552	649,173	648,652	649,767	647,505	647,538
4	Commercial/Industrial Large >20kW	2,858,217	2,856,612	2,854,405	2,859,043	2,849,272	2,849,404
5	Residential	1,506,610	1,505,718	1,504,541	1,506,940	1,501,926	1,502,074
6	Residential CARE	430,618	430,363	430,027	430,713	429,278	429,320
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,525,881	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964
	Base Case - 50% RPS 2% Opt Up to 100% with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,277	11,271	11,262	11,280	11,242	11,243
12	Commercial/Industrial Large >20kW	33,832	33,812	33,786	33,841	33,726	33,728
13	Residential	67,664	67,625	67,572	67,682	67,452	67,457
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	112,773	112,708	112,621	112,803	112,421	112,428
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,675,656	$ 6,672,149	$ 6,667,116	$ 6,675,312	$ 6,654,351	$ 6,654,493
20	Outdoor Lighting Small <20kW	2,336,394	2,335,063	2,333,362	2,337,985	2,328,747	2,328,867
21	Commercial/Industrial Small <20kW	85,744,769	85,694,826	85,626,019	85,773,207	85,474,623	85,479,011
22	Commercial/Industrial Large >20kW	382,745,938	382,531,016	382,235,466	382,856,600	381,548,187	381,565,802
23	Residential	228,416,022	228,280,778	228,102,311	228,465,943	227,705,784	227,728,290
24	Residential CARE	62,902,443	62,865,247	62,816,107	62,916,324	62,706,809	62,712,915
25	Residential Outdoor Lighting	169,876	169,778	169,651	169,978	169,338	169,346
26	Total	768,991,097	768,548,857	767,950,032	769,195,350	766,587,838	766,638,724
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,229,349	1,228,643	1,227,686	1,229,678	1,225,506	1,225,585
30	Commercial/Industrial Large >20kW	3,914,084	3,911,836	3,908,789	3,915,133	3,901,848	3,902,101
31	Residential	8,441,407	8,436,559	8,429,987	8,443,669	8,415,018	8,415,564
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 13,584,840	$ 13,577,038	$ 13,566,461	$ 13,588,480	$ 13,542,372	$ 13,543,251
35	**TOTAL RATE REVENUE**	**$ 782,575,937**	**$ 782,125,895**	**$ 781,516,493**	**$ 782,783,829**	**$ 780,130,210**	**$ 780,181,975**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 783,238,867**	**$ 782,200,902**	**$ 781,618,060**	**$ 782,572,607**	**$ 780,572,480**	**$ 780,173,347**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Base Case - 50% RPS 2% Opt Up to 100% with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,410	55,359	55,412	55,436
2	Outdoor Lighting Small <20kW	23,649	23,747	23,706	23,726	23,736
3	Commercial/Industrial Small <20kW	647,322	649,575	648,801	649,416	649,701
4	Commercial/Industrial Large >20kW	2,848,486	2,858,225	2,855,015	2,857,732	2,858,893
5	Residential	1,501,643	1,506,552	1,505,110	1,506,527	1,506,988
6	Residential CARE	429,196	430,601	430,187	430,592	430,725
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,507,247	5,525,835	5,519,902	5,525,130	5,527,204
	Base Case - 50% RPS 2% Opt Up to 100% with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,239	11,277	11,265	11,276	11,280
12	Commercial/Industrial Large >20kW	33,718	33,832	33,795	33,827	33,840
13	Residential	67,436	67,663	67,591	67,655	67,680
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	112,393	112,772	112,651	112,758	112,800
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,652,080	$ 6,673,480	$ 6,667,335	$ 6,673,749	$ 6,676,562
20	Outdoor Lighting Small <20kW	2,328,166	2,337,821	2,333,809	2,335,745	2,336,734
21	Commercial/Industrial Small <20kW	85,450,469	85,747,797	85,645,698	85,726,924	85,764,453
22	Commercial/Industrial Large >20kW	381,442,856	382,747,076	382,317,222	382,681,089	382,836,516
23	Residential	227,662,935	228,407,117	228,188,593	228,403,369	228,473,262
24	Residential CARE	62,694,851	62,900,073	62,839,579	62,898,741	62,918,175
25	Residential Outdoor Lighting	169,293	169,934	169,684	169,841	169,916
26	Total	766,400,649	768,983,298	768,161,920	768,889,458	769,175,619
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,225,203	1,229,338	1,228,018	1,229,182	1,229,643
30	Commercial/Industrial Large >20kW	3,900,885	3,914,051	3,909,848	3,913,552	3,915,020
31	Residential	8,412,942	8,441,336	8,432,273	8,440,260	8,443,427
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 13,539,030	$ 13,584,726	$ 13,570,139	$ 13,582,994	$ 13,588,090
35	**TOTAL RATE REVENUE**	**$ 779,939,679**	**$ 782,568,023**	**$ 781,732,060**	**$ 782,472,451**	**$ 782,763,709**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 779,980,062**	**$ 782,129,966**	**$ 781,871,387**	**$ 782,349,053**	**$ 782,715,166**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 216,128,735	$ 649,403,306	$ 771,168,524	$ 786,012,266	$ 786,435,859	$ 783,238,867	$ 782,200,902	$ 781,618,060
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 216,128,735	$ 649,403,306	$ 771,168,524	$ 786,012,266	$ 786,435,859	$ 783,238,867	$ 782,200,902	$ 781,618,060
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		166,619,357	381,968,618	418,624,481	420,513,945	413,324,294	410,662,128	401,150,788	399,893,907
7	SDG&E Service Charges		2,983,252	4,906,921	4,946,847	5,039,429	5,144,765	5,221,424	5,322,710	5,424,913
8	SDG&E CRS Charges		72,570,622	192,495,110	225,394,020	231,388,643	236,626,382	233,469,761	232,252,871	232,437,734
9	SDG&E Power Franchise Charges		9,630,599	22,077,786	24,196,495	24,305,706	23,890,144	23,736,271	23,186,516	23,113,868
10	ESP Charges		206,548	5,940,420	8,558,559	8,547,780	8,555,341	8,512,569	8,507,546	8,500,884
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,477	541,929	729,317	735,669	743,543	749,746	758,659	767,668
15	Uncollectable Accounts		406,322	1,220,878	1,449,797	1,477,703	1,478,499	1,472,489	1,470,538	1,469,442
16	**Total Operating Expenses**		$ 255,093,168	$ 613,709,298	$ 689,622,604	$ 697,880,008	$ 695,786,941	$ 690,006,612	$ 678,995,272	$ 678,122,282
17	Contingency/Rate Stabilization Fund		26,986,675	64,757,718	72,674,064	73,516,558	73,243,503	72,641,865	71,456,398	71,357,954
18	**Total Operating Expenses & Contin/Rate Stab**		$ 282,079,843	$ 678,467,017	$ 762,296,668	$ 771,396,565	$ 769,030,444	$ 762,648,478	$ 750,451,670	$ 749,480,237
19	**Net Operating Revenues**		$ (65,951,108)	$ (29,063,711)	$ 8,871,857	$ 14,615,700	$ 17,405,415	$ 20,590,389	$ 31,749,232	$ 32,137,824
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,031,611	2,942,924	2,666,398	2,564,484	2,503,767	2,472,317	2,512,722	2,611,147
22	Total Non-Operating Revenues (Expenses)		$ 1,731,611	$ 2,942,924	$ 2,666,398	$ 2,564,484	$ 2,413,551	$ 2,472,317	$ 2,512,722	$ 2,586,882
23	**Net Operating Income**		$ (64,219,497)	$ (26,120,787)	$ 11,538,255	$ 17,180,184	$ 19,818,966	$ 23,062,706	$ 34,261,954	$ 34,724,705
	Debt Service	[3]								
24	Borrowing 1		$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
29	**Debt Service Coverage (Target=1.25)**		(3.92)	(1.59)	0.47	0.70	0.81	0.94	1.39	1.41
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102
35	Deposit/(Withdrawal) from Operations	$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 397,640,035	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (24,601,610)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (32,795,054)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	16,397,527	16,397,527	-	-	-	-	-	-
41	Ending Year Balance	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102	$ 242,880,198
42	Targeted Working Capital Balance	$ 99,170,706	$ 241,605,948	$ 273,184,403	$ 276,954,579	$ 277,071,412	$ 274,646,300	$ 270,736,127	$ 270,506,483
43	Surplus/(Deficiency)	$ 176,853,167	$ 8,297,139	$ (36,344,671)	$ (47,536,273)	$ (52,435,750)	$ (51,549,541)	$ (37,979,025)	$ (27,626,285)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	1%	-5%	-6%	-7%	-7%	-5%	-4%
45	% Surplus/(Deficiency) to Target	178%	3%	-13%	-17%	-19%	-19%	-14%	-10%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102
47	Total Operating Revenues	216,128,735	649,403,306	771,168,524	786,012,266	786,435,859	783,238,867	782,200,902	781,618,060
48	Total Operating Expenses	(255,093,168)	(613,709,298)	(689,622,604)	(697,880,008)	(695,786,941)	(690,006,612)	(678,995,272)	(678,122,282)
49	Contingency/Rate Stabilization Fund	(26,986,675)	(64,757,718)	(72,674,064)	(73,516,558)	(73,243,503)	(72,641,865)	(71,456,398)	(71,357,954)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	340,243,371	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	16,397,527	16,397,527	-	-	-	-	-	-
54	Total Debt Service	(16,397,527)	(16,397,527)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)
55	Total Funds	$ 273,992,263	$ 246,960,163	$ 234,173,334	$ 226,853,822	$ 222,131,896	$ 220,624,442	$ 230,244,381	$ 240,269,051
56	Average Annual Balance	$ 182,661,509	$ 261,492,018	$ 242,038,210	$ 231,846,777	$ 225,775,101	$ 222,630,052	$ 226,670,570	$ 236,513,077
57	Annual Interest Earnings, All Funds	$ 2,031,611	$ 2,942,924	$ 2,666,398	$ 2,564,484	$ 2,503,767	$ 2,472,317	$ 2,512,722	$ 2,611,147
	Year Ending Balance, with Interest	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102	$ 242,880,198
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
59	Deposit from Bond Proceeds	$ 24,601,610	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
62	Average Annual Balance	$ 12,300,805	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
63	Annual Interest Earnings, to Operating Fund	$ 123,008	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 16,397,527	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 32,795,054	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (16,397,527)	$ (16,397,527)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 16,397,527	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 8,198,764	$ 8,198,764	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 81,988	$ 81,988	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 782,572,607	$ 780,572,480	$ 780,173,347	$ 779,980,062	$ 782,129,966	$ 781,871,387	$ 782,349,053	$ 782,715,166
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 782,572,607	$ 780,572,480	$ 780,173,347	$ 779,980,062	$ 782,129,966	$ 781,871,387	$ 782,349,053	$ 782,715,166
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		399,985,799	396,407,943	393,398,364	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
7	SDG&E Service Charges		5,542,301	5,634,238	5,747,456	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
8	SDG&E CRS Charges		234,774,894	236,124,428	237,652,118	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
9	SDG&E Power Franchise Charges		23,119,179	22,912,379	22,738,425	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
10	ESP Charges		8,514,542	8,486,061	8,486,848	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,079	786,675	797,165	807,877	820,202	830,886	842,514	853,958
15	Uncollectable Accounts		1,471,237	1,467,476	1,466,726	1,466,363	1,470,404	1,469,918	1,470,816	1,471,505
16	**Total Operating Expenses**		$ 680,873,187	$ 678,684,992	$ 677,336,887	$ 668,994,753	$ 670,911,269	$ 674,069,615	$ 667,118,113	$ 667,379,862
17	Contingency/Rate Stabilization Fund		71,633,859	71,383,316	71,221,821	70,305,281	70,494,734	70,827,561	70,059,504	70,072,264
18	**Total Operating Expenses & Contin/Rate Stab**		$ 752,507,047	$ 750,068,309	$ 748,558,708	$ 739,300,034	$ 741,406,003	$ 744,897,176	$ 737,177,617	$ 737,452,126
19	**Net Operating Revenues**		$ 30,065,560	$ 30,504,171	$ 31,614,639	$ 40,680,027	$ 40,723,963	$ 36,974,211	$ 45,171,436	$ 45,263,041
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		2,701,597	2,784,904	2,876,112	3,019,111	3,209,798	3,383,863	3,582,266	3,824,098
22	Total Non-Operating Revenues (Expenses)		$ 2,593,373	$ 2,784,904	$ 2,632,273	$ 3,019,111	$ 3,108,170	$ 3,383,863	$ 3,552,826	$ 3,824,098
23	**Net Operating Income**		$ 32,658,933	$ 33,289,075	$ 34,246,912	$ 43,699,138	$ 43,832,133	$ 40,358,074	$ 48,724,262	$ 49,087,138
	Debt Service	[3]								
24	Borrowing 1		$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
29	**Debt Service Coverage (Target=1.25)**		1.33	1.35	1.39	1.78	1.78	1.64	1.98	2.00
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 242,880,198	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456
35	Deposit/(Withdrawal) from Operations	$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456	$ 371,962,985
42	Targeted Working Capital Balance	$ 271,848,408	$ 271,341,101	$ 271,157,265	$ 268,527,228	$ 269,511,992	$ 270,763,250	$ 268,649,214	$ 269,020,106
43	Surplus/(Deficiency)	$ (20,910,887)	$ (11,716,115)	$ (1,886,977)	$ 19,840,589	$ 38,086,348	$ 52,591,554	$ 78,828,242	$ 102,942,878
44	Ratio of Surplus/(Deficiency) to Revenues	-3%	-2%	0%	3%	5%	7%	10%	13%
45	% Surplus/(Deficiency) to Target	-8%	-4%	-1%	7%	14%	19%	29%	38%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 242,880,198	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456
47	Total Operating Revenues	782,572,607	780,572,480	780,173,347	779,980,062	782,129,966	781,871,387	782,349,053	782,715,166
48	Total Operating Expenses	(680,873,187)	(678,684,992)	(677,336,887)	(668,994,753)	(670,911,269)	(674,069,615)	(667,118,113)	(667,379,862)
49	Contingency/Rate Stabilization Fund	(71,633,859)	(71,383,316)	(71,221,821)	(70,305,281)	(70,494,734)	(70,827,561)	(70,059,504)	(70,072,264)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)
55	Total Funds	$ 248,235,924	$ 256,840,082	$ 266,394,176	$ 285,348,706	$ 304,388,542	$ 319,970,941	$ 343,895,190	$ 368,138,887
56	Average Annual Balance	$ 245,558,061	$ 253,888,801	$ 263,009,581	$ 277,309,497	$ 296,378,180	$ 313,784,641	$ 333,624,997	$ 357,808,171
57	Annual Interest Earnings, All Funds	$ 2,701,597	$ 2,784,904	$ 2,876,112	$ 3,019,111	$ 3,209,798	$ 3,383,863	$ 3,582,266	$ 3,824,098
	Year Ending Balance, with Interest	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456	$ 371,962,985
	Bond Reserve Fund								
58	Beginning Year Balance	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
62	Average Annual Balance	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
63	Annual Interest Earnings, to Operating Fund	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,475	340,793	475,476	474,877	475,297
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	166,619,357	381,968,618	418,624,481	420,513,945	413,324,294
5	SDG&E Service Charges	2,983,252	4,906,921	4,946,847	5,039,429	5,144,765
6	SDG&E CRS Charges	72,570,622	192,495,110	225,394,020	231,388,643	236,626,382
7	SDG&E Power Franchise Charges	9,630,599	22,077,786	24,196,495	24,305,706	23,890,144
8	ESP Charges	206,548	5,940,420	8,558,559	8,547,780	8,555,341
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,477	541,929	729,317	735,669	743,543
13	Uncollectable Accounts	$ 406,322	$ 1,220,878	$ 1,449,797	$ 1,477,703	$ 1,478,499
14	**Total Operating Expenses**	$ 255,093,168	$ 613,709,298	$ 689,622,604	$ 697,880,008	$ 695,786,941
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	16,397,527	16,397,527	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 16,697,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,691,826
19	**Total Operating & Non-Operating Expenses**	**$ 271,790,695**	**$ 630,106,826**	**$ 714,224,213**	**$ 722,481,618**	**$ 720,478,767**
20	Contingency/Rate Stabilization Fund	$ 26,986,675	$ 64,757,718	$ 72,674,064	$ 73,516,558	$ 73,243,503
21	**Total Expenses Incl. Contingency**	$ 298,777,370	$ 694,864,544	$ 786,898,278	$ 795,998,175	$ 793,722,269

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,920	472,641	472,271	473,030	471,448	471,492
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	410,662,128	401,150,788	399,893,907	399,985,799	396,407,943	393,398,364
5	SDG&E Service Charges	5,221,424	5,322,710	5,424,913	5,542,301	5,634,238	5,747,456
6	SDG&E CRS Charges	233,469,761	232,252,871	232,437,734	234,774,894	236,124,428	237,652,118
7	SDG&E Power Franchise Charges	23,736,271	23,186,516	23,113,868	23,119,179	22,912,379	22,738,425
8	ESP Charges	8,512,569	8,507,546	8,500,884	8,514,542	8,486,061	8,486,848
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,746	758,659	767,668	778,079	786,675	797,165
13	Uncollectable Accounts	$ 1,472,489	$ 1,470,538	$ 1,469,442	$ 1,471,237	$ 1,467,476	$ 1,466,726
14	**Total Operating Expenses**	$ 690,006,612	$ 678,995,272	$ 678,122,282	$ 680,873,187	$ 678,684,992	$ 677,336,887
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,601,610	$ 24,601,610	$ 24,625,875	$ 24,709,834	$ 24,601,610	$ 24,845,449
19	**Total Operating & Non-Operating Expenses**	**$ 714,608,222**	**$ 703,596,882**	**$ 702,748,157**	**$ 705,583,021**	**$ 703,286,602**	**$ 702,182,336**
20	Contingency/Rate Stabilization Fund	$ 72,641,865	$ 71,456,398	$ 71,357,954	$ 71,633,859	$ 71,383,316	$ 71,221,821
21	**Total Expenses Incl. Contingency**	$ 787,250,088	$ 775,053,280	$ 774,106,112	$ 777,216,881	$ 774,669,918	$ 773,404,157

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,354	472,906	472,441	472,886	473,038
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
5	SDG&E Service Charges	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
6	SDG&E CRS Charges	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
7	SDG&E Power Franchise Charges	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
8	ESP Charges	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,877	820,202	830,886	842,514	853,958
13	Uncollectable Accounts	$ 1,466,363	$ 1,470,404	$ 1,469,918	$ 1,470,816	$ 1,471,505
14	**Total Operating Expenses**	$ 668,994,753	$ 670,911,269	$ 674,069,615	$ 667,118,113	$ 667,379,862
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,601,610	$ 24,703,237	$ 24,601,610	$ 24,631,050	$ 24,601,610
19	**Total Operating & Non-Operating Expenses**	**$ 693,596,363**	**$ 695,614,507**	**$ 698,671,225**	**$ 691,749,162**	**$ 691,981,472**
20	Contingency/Rate Stabilization Fund	$ 70,305,281	$ 70,494,734	$ 70,827,561	$ 70,059,504	$ 70,072,264
21	**Total Expenses Incl. Contingency**	$ 763,901,644	$ 766,109,241	$ 769,498,786	$ 761,808,667	$ 762,053,736

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Base Case - 50% RPS 2% Opt Up to 100%**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 203,539	$ 5,940,420	$ 8,282,264	$ 8,271,832	$ 8,279,145	$ 8,237,770
2		Opt-up to 100%	$ 3,009	$ -	$ 276,295	$ 275,948	$ 276,196	$ 274,799
3		**Total Projected ESP Costs**	$ 206,548	$ 5,940,420	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	135,692	3,960,280	5,521,510	5,514,555	5,519,430	5,491,847
4		Opt-up to 100%	2,006		184,197	183,965	184,131	183,199
5		**Total Customer Accounts Billing Determinants**	137,699	3,960,280	5,705,706	5,698,520	5,703,561	5,675,046
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988	5,525,881
6		Opt-up to 100%	25,218	92,111	113,387	113,245	113,347	112,773
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Base Case - 50% RPS 2% Opt Up to 100%**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,232,905	$ 8,226,457	$ 8,239,669	$ 8,212,122	$ 8,212,890	$ 8,210,494
2		Opt-up to 100%	$ 274,641	$ 274,427	$ 274,872	$ 273,940	$ 273,957	$ 273,872
3		**Total Projected ESP Costs**	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
		Customer Accounts Billing Determinants						
4		Baseload	5,488,603	5,484,304	5,493,113	5,474,748	5,475,260	5,473,663
4		Opt-up to 100%	183,094	182,951	183,248	182,626	182,638	182,581
5		**Total Customer Accounts Billing Determinants**	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964	5,507,247
6		Opt-up to 100%	112,708	112,621	112,803	112,421	112,428	112,393
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Base Case - 50% RPS 2% Opt Up to 100%**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,237,517	$ 8,229,433	$ 8,237,185	$ 8,239,817	$ 121,493,460
2		Opt-up to 100%	$ 274,796	$ 274,501	$ 274,761	$ 274,864	$ 3,850,879
3		**Total Projected ESP Costs**	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,344,339
		Customer Accounts Billing Determinants					
4		Baseload	5,491,678	5,486,289	5,491,456	5,493,211	80,995,640
4		Opt-up to 100%	183,198	183,001	183,174	183,243	2,567,253
5		**Total Customer Accounts Billing Determinants**	5,674,876	5,669,290	5,674,631	5,676,454	83,562,892
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,525,835	5,519,902	5,525,130	5,527,204	84,464,999
6		Opt-up to 100%	112,772	112,651	112,758	112,800	1,696,435
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 108,064,368	$ 216,298,252	$ 432,935,537	$ 750,874,321	$ 1,508,172,478
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 61,615,301	$ 67,394,227	$ 175,654,761	$ 254,537,363	$ 559,201,652
4	Power Procurement	$ 122,567,693	$ 130,221,423	$ 295,798,859	$ 418,624,481	$ 967,212,457
5	Total ESP Charges	$ 74,829	$ 405,004	$ 5,860,991	$ 8,558,559	$ 14,899,383
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,446	$ 1,982,948	$ 3,096,932	$ 5,701,756	$ 12,085,081
8	**Subtotal Expenses**	$ 186,184,393	$ 200,349,852	$ 480,834,877	$ 687,611,097	$ 1,554,980,219
9	Contingency	$ 6,361,670	$ 7,012,843	$ 18,503,602	$ 26,898,662	58,776,776
10	**Total Expenses**	$ 192,546,063	$ 207,362,695	$ 499,338,479	$ 714,509,759	$ 1,613,756,995
11	Cash Flow	$ (84,481,695)	$ 8,935,557	$ (66,402,941)	$ 36,364,563	$ (105,584,517)
12	Cumulative Cash Flow	$ (84,481,695)	$ (75,546,138)	$ (141,949,079)	$ (105,584,517)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,334	81	235,510	2,630	$ 588,000	$ 12,000
2	I	2020	Jun	7,946	84	250,148	2,748	$ -	$ -
3	I	2020	Jul	8,527	93	269,002	3,033	$ -	$ -
4	I	2020	Aug	8,206	92	259,136	3,001	$ -	$ -
5	I	2020	Sep	9,219	106	291,759	3,468	$ -	$ -
6	I	2020	Oct	8,106	92	256,018	2,998	$ -	$ -
7	II	2020	Nov	44,194	729	294,628	3,667	$ 294,000	$ 6,000
8	II	2020	Dec	42,160	730	283,595	3,672	$ -	$ -
9	II	2021	Jan	45,353	758	284,833	3,814	$ -	$ -
10	II	2021	Feb	44,641	708	286,638	3,561	$ -	$ -
11	II	2021	Mar	44,624	696	282,363	3,502	$ -	$ -
12	II	2021	Apr	44,729	682	282,741	3,429	$ -	$ -
13	III	2021	May	404,364	14,192	428,073	8,736	$ 294,000	$ 6,000
14	III	2021	Jun	414,154	14,823	447,124	9,125	$ -	$ -
15	III	2021	Jul	473,349	16,293	491,460	10,030	$ -	$ -
16	III	2021	Aug	491,046	16,249	490,120	10,002	$ -	$ -
17	III	2021	Sep	593,322	18,811	567,415	11,580	$ -	$ -
18	III	2021	Oct	500,085	16,204	488,774	9,975	$ -	$ -
19	III	2021	Nov	438,580	14,903	449,513	9,174	$ -	$ -
20	III	2021	Dec	466,035	14,917	449,953	9,183	$ -	$ -
21		2022	Jan	510,713	15,511	467,859	9,548	$ -	$ -
22		2022	Feb	425,662	14,450	435,862	8,895	$ -	$ -
23		2022	Mar	418,121	14,212	428,677	8,749	$ -	$ -
24		2022	Apr	392,454	13,845	417,616	8,523	$ -	$ -
25		2022	May	404,816	14,208	428,550	8,746	$ -	$ -
26		2022	Jun	413,013	14,783	445,892	9,100	$ -	$ -
27		2022	Jul	470,635	16,200	488,641	9,972	$ -	$ -
28		2022	Aug	491,351	16,259	490,425	10,009	$ -	$ -
29		2022	Sep	592,736	18,793	566,854	11,568	$ -	$ -
30		2022	Oct	498,443	16,151	487,169	9,942	$ -	$ -
31		2022	Nov	438,130	14,887	449,052	9,164	$ -	$ -
32		2022	Dec	465,437	14,898	449,375	9,171	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Base Case - 50% RPS 2%

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,443,850	$ 8,024,915	$ 1,010,835	$ 10,346,778	$ 132,821
2	I	2020	Jun	$ 6,692	$ 8,471,282	$ 1,109,587	$ 9,477,757	$ 109,803
3	I	2020	Jul	$ 7,183	$ 9,126,288	$ 1,185,279	$ 10,197,934	$ 120,816
4	I	2020	Aug	$ 6,915	$ 8,806,358	$ 1,257,625	$ 9,949,478	$ 121,420
5	I	2020	Sep	$ 7,771	$ 9,920,928	$ 1,337,608	$ 11,128,053	$ 138,253
6	I	2020	Oct	$ 6,832	$ 8,701,876	$ 1,183,479	$ 9,772,377	$ 119,809
7	II	2020	Nov	$ 1,468,267	$ 9,946,465	$ 1,285,222	$ 12,526,307	$ 173,646
8	II	2020	Dec	$ 35,742	$ 9,572,512	$ 1,260,964	$ 10,723,229	$ 145,989
9	II	2021	Jan	$ 39,194	$ 9,706,025	$ 1,266,635	$ 10,859,430	$ 152,425
10	II	2021	Feb	$ 38,546	$ 9,756,504	$ 1,251,505	$ 10,904,279	$ 142,275
11	II	2021	Mar	$ 38,522	$ 9,611,280	$ 1,216,418	$ 10,727,020	$ 139,201
12	II	2021	Apr	$ 38,599	$ 9,615,773	$ 1,246,053	$ 10,763,589	$ 136,836
13	III	2021	May	$ 1,786,604	$ 17,152,440	$ 1,851,263	$ 20,314,286	$ 476,021
14	III	2021	Jun	$ 364,631	$ 17,818,008	$ 2,086,230	$ 19,794,120	$ 474,748
15	III	2021	Jul	$ 416,196	$ 19,719,067	$ 2,229,097	$ 21,844,088	$ 520,273
16	III	2021	Aug	$ 431,200	$ 19,805,727	$ 2,196,035	$ 21,916,436	$ 516,527
17	III	2021	Sep	$ 520,313	$ 23,111,545	$ 2,642,398	$ 25,675,855	$ 598,401
18	III	2021	Oct	$ 438,846	$ 19,829,402	$ 2,250,842	$ 22,003,249	$ 515,841
19	III	2021	Nov	$ 385,460	$ 18,084,276	$ 1,959,240	$ 19,956,091	$ 472,884
20	III	2021	Dec	$ 408,809	$ 18,285,063	$ 1,882,068	$ 20,106,225	$ 469,716
21		2022	Jan	$ 456,236	$ 19,285,319	$ 2,010,904	$ 21,258,406	$ 494,053
22		2022	Feb	$ 381,577	$ 17,617,027	$ 1,837,103	$ 19,377,528	$ 458,179
23		2022	Mar	$ 374,833	$ 17,319,272	$ 1,797,417	$ 19,039,852	$ 451,670
24		2022	Apr	$ 352,261	$ 16,761,619	$ 1,854,776	$ 18,525,679	$ 442,977
25		2022	May	$ 363,293	$ 17,267,948	$ 1,872,932	$ 19,052,008	$ 452,165
26		2022	Jun	$ 370,899	$ 17,868,533	$ 1,886,872	$ 19,657,391	$ 468,913
27		2022	Jul	$ 422,086	$ 19,716,251	$ 2,130,641	$ 21,752,924	$ 516,054
28		2022	Aug	$ 440,098	$ 19,929,911	$ 2,231,461	$ 22,082,632	$ 518,838
29		2022	Sep	$ 530,195	$ 23,219,598	$ 2,537,122	$ 25,686,520	$ 600,394
30		2022	Oct	$ 446,153	$ 19,876,095	$ 2,206,182	$ 22,013,155	$ 515,275
31		2022	Nov	$ 392,766	$ 18,167,433	$ 1,978,742	$ 20,064,011	$ 474,930
32		2022	Dec	$ 416,450	$ 18,365,014	$ 1,852,344	$ 20,163,082	$ 470,727
		Total		$ 12,837,020	$ 490,459,752	$ 55,904,880	$ 547,659,769	$ 11,541,882

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Base Case - 50% RPS 2%

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 17,240,464	$ 248,023	$ 11,001	$ 121	$ 3,777	$ 77	$ 212,896	$ 4,345
2	I	2020	Jun	$ 18,919,423	$ 277,576	$ 11,919	$ 126	$ 3,777	$ 77	$ 212,896	$ 4,345
3	I	2020	Jul	$ 20,206,353	$ 300,209	$ 12,791	$ 139	$ 3,777	$ 77	$ 212,896	$ 4,345
4	I	2020	Aug	$ 21,428,683	$ 329,543	$ 12,310	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
5	I	2020	Sep	$ 22,797,263	$ 344,743	$ 13,828	$ 159	$ 3,777	$ 77	$ 212,896	$ 4,345
6	I	2020	Oct	$ 20,171,971	$ 303,441	$ 12,160	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
7	II	2020	Nov	$ 21,871,441	$ 364,230	$ 66,290	$ 1,093	$ 7,554	$ 154	$ 212,896	$ 4,345
8	II	2020	Dec	$ 21,438,011	$ 377,982	$ 63,241	$ 1,095	$ 7,554	$ 154	$ 212,896	$ 4,345
9	II	2021	Jan	$ 21,527,831	$ 386,275	$ 68,029	$ 1,137	$ 7,554	$ 154	$ 379,374	$ 7,742
10	II	2021	Feb	$ 21,292,699	$ 359,636	$ 66,961	$ 1,062	$ 7,554	$ 154	$ 379,374	$ 7,742
11	II	2021	Mar	$ 20,703,974	$ 341,327	$ 66,935	$ 1,044	$ 7,554	$ 154	$ 379,374	$ 7,742
12	II	2021	Apr	$ 21,214,315	$ 343,702	$ 67,093	$ 1,022	$ 7,554	$ 154	$ 379,374	$ 7,742
13	III	2021	May	$ 31,212,276	$ 816,487	$ 606,547	$ 21,288	$ 15,108	$ 308	$ 379,374	$ 7,742
14	III	2021	Jun	$ 35,112,515	$ 981,429	$ 621,231	$ 22,235	$ 15,108	$ 308	$ 379,374	$ 7,742
15	III	2021	Jul	$ 37,513,785	$ 1,051,914	$ 710,024	$ 24,440	$ 15,108	$ 308	$ 379,374	$ 7,742
16	III	2021	Aug	$ 36,984,919	$ 1,008,767	$ 736,568	$ 24,373	$ 15,108	$ 308	$ 379,374	$ 7,742
17	III	2021	Sep	$ 44,541,193	$ 1,175,040	$ 889,983	$ 28,217	$ 15,108	$ 308	$ 379,374	$ 7,742
18	III	2021	Oct	$ 37,923,236	$ 1,018,675	$ 750,127	$ 24,306	$ 15,108	$ 308	$ 379,374	$ 7,742
19	III	2021	Nov	$ 32,986,356	$ 910,531	$ 657,870	$ 22,354	$ 15,108	$ 308	$ 379,374	$ 7,742
20	III	2021	Dec	$ 31,713,143	$ 848,594	$ 699,052	$ 22,376	$ 15,108	$ 308	$ 379,374	$ 7,742
21		2022	Jan	$ 33,858,228	$ 932,493	$ 766,069	$ 23,266	$ 15,430	$ 315	$ 465,643	$ 9,503
22		2022	Feb	$ 30,951,162	$ 832,632	$ 638,493	$ 21,675	$ 15,430	$ 315	$ 465,643	$ 9,503
23		2022	Mar	$ 30,260,218	$ 836,965	$ 627,182	$ 21,318	$ 15,430	$ 315	$ 465,643	$ 9,503
24		2022	Apr	$ 31,222,944	$ 866,606	$ 588,680	$ 20,768	$ 15,430	$ 315	$ 465,643	$ 9,503
25		2022	May	$ 31,556,068	$ 847,594	$ 607,224	$ 21,312	$ 15,430	$ 315	$ 465,643	$ 9,503
26		2022	Jun	$ 31,789,764	$ 855,083	$ 619,520	$ 22,174	$ 15,430	$ 315	$ 465,643	$ 9,503
27		2022	Jul	$ 35,887,444	$ 974,854	$ 705,952	$ 24,300	$ 15,430	$ 315	$ 465,643	$ 9,503
28		2022	Aug	$ 37,612,596	$ 993,988	$ 737,026	$ 24,389	$ 15,430	$ 315	$ 465,643	$ 9,503
29		2022	Sep	$ 42,733,843	$ 1,160,994	$ 889,103	$ 28,189	$ 15,430	$ 315	$ 465,643	$ 9,503
30		2022	Oct	$ 37,183,893	$ 985,346	$ 747,665	$ 24,227	$ 15,430	$ 315	$ 465,643	$ 9,503
31		2022	Nov	$ 33,326,541	$ 907,742	$ 657,195	$ 22,331	$ 15,430	$ 315	$ 465,643	$ 9,503
32		2022	Dec	$ 31,217,710	$ 829,773	$ 698,155	$ 22,347	$ 15,430	$ 315	$ 465,643	$ 9,503
		Total		$ 944,400,263	$ 22,812,194	$ 14,426,223	$ 473,160	$ 374,014	$ 7,633	$ 11,843,379	$ 241,702

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Base Case - 50% RPS 2%

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 28,402,916	$ 397,386	$ 1,116,245	$ 14,936	$ 29,519,161	$ 412,323	$ 29,931,484
2	I	2020	Jun	$ 28,625,773	$ 391,928	$ 970,635	$ 11,435	$ 29,596,408	$ 403,363	$ 29,999,771
3	I	2020	Jul	$ 30,633,751	$ 425,587	$ 1,042,740	$ 12,538	$ 31,676,491	$ 438,124	$ 32,114,615
4	I	2020	Aug	$ 31,607,144	$ 455,523	$ 1,017,846	$ 12,598	$ 32,624,990	$ 468,121	$ 33,093,112
5	I	2020	Sep	$ 34,155,817	$ 487,577	$ 1,135,855	$ 14,283	$ 35,291,673	$ 501,860	$ 35,793,533
6	I	2020	Oct	$ 30,173,181	$ 427,810	$ 1,000,121	$ 12,437	$ 31,173,302	$ 440,247	$ 31,613,549
7	II	2020	Nov	$ 34,978,489	$ 549,468	$ 1,310,705	$ 18,524	$ 36,289,194	$ 567,992	$ 36,857,186
8	II	2020	Dec	$ 32,444,931	$ 529,565	$ 1,100,692	$ 15,158	$ 33,545,623	$ 544,724	$ 34,090,346
9	II	2021	Jan	$ 32,842,219	$ 547,733	$ 1,131,439	$ 16,146	$ 33,973,658	$ 563,879	$ 34,537,537
10	II	2021	Feb	$ 32,650,868	$ 510,870	$ 1,135,817	$ 15,123	$ 33,786,685	$ 525,994	$ 34,312,678
11	II	2021	Mar	$ 31,884,857	$ 489,468	$ 1,118,088	$ 14,814	$ 33,002,946	$ 504,282	$ 33,507,228
12	II	2021	Apr	$ 32,431,926	$ 489,457	$ 1,121,761	$ 14,575	$ 33,553,687	$ 504,032	$ 34,057,719
13	III	2021	May	$ 52,821,591	$ 1,327,846	$ 2,160,932	$ 51,136	$ 54,982,523	$ 1,378,982	$ 56,361,505
14	III	2021	Jun	$ 55,922,349	$ 1,486,463	$ 2,080,983	$ 50,503	$ 58,003,332	$ 1,536,967	$ 59,540,299
15	III	2021	Jul	$ 60,462,379	$ 1,604,678	$ 2,294,859	$ 55,276	$ 62,757,239	$ 1,659,954	$ 64,417,193
16	III	2021	Aug	$ 60,032,406	$ 1,557,717	$ 2,304,749	$ 54,895	$ 62,337,155	$ 1,612,612	$ 63,949,767
17	III	2021	Sep	$ 71,501,513	$ 1,809,709	$ 2,696,032	$ 63,467	$ 74,197,545	$ 1,873,175	$ 76,070,721
18	III	2021	Oct	$ 61,071,094	$ 1,566,873	$ 2,314,786	$ 54,820	$ 63,385,880	$ 1,621,693	$ 65,007,573
19	III	2021	Nov	$ 53,994,799	$ 1,413,820	$ 2,100,844	$ 50,329	$ 56,095,643	$ 1,464,149	$ 57,559,792
20	III	2021	Dec	$ 52,912,902	$ 1,348,737	$ 2,119,976	$ 50,014	$ 55,032,878	$ 1,398,751	$ 56,431,629
21		2022	Jan	$ 56,363,776	$ 1,459,630	$ 2,250,555	$ 52,714	$ 58,614,331	$ 1,512,344	$ 60,126,674
22		2022	Feb	$ 51,448,256	$ 1,322,304	$ 2,049,709	$ 48,967	$ 53,497,966	$ 1,371,271	$ 54,869,237
23		2022	Mar	$ 50,408,325	$ 1,319,771	$ 2,014,811	$ 48,281	$ 52,423,136	$ 1,368,052	$ 53,791,188
24		2022	Apr	$ 50,818,377	$ 1,340,169	$ 1,959,543	$ 47,356	$ 52,777,920	$ 1,387,525	$ 54,165,445
25		2022	May	$ 51,696,373	$ 1,330,889	$ 2,014,030	$ 48,329	$ 53,710,403	$ 1,379,218	$ 55,089,622
26		2022	Jun	$ 52,547,748	$ 1,355,988	$ 2,075,798	$ 50,091	$ 54,623,547	$ 1,406,079	$ 56,029,626
27		2022	Jul	$ 58,827,393	$ 1,525,025	$ 2,293,995	$ 55,017	$ 61,121,388	$ 1,580,042	$ 62,701,430
28		2022	Aug	$ 60,913,328	$ 1,547,032	$ 2,330,073	$ 55,304	$ 63,243,401	$ 1,602,336	$ 64,845,737
29		2022	Sep	$ 69,790,539	$ 1,799,395	$ 2,705,670	$ 63,840	$ 72,496,209	$ 1,863,235	$ 74,359,444
30		2022	Oct	$ 60,425,786	$ 1,534,666	$ 2,324,189	$ 54,932	$ 62,749,976	$ 1,589,598	$ 64,339,574
31		2022	Nov	$ 54,528,820	$ 1,414,821	$ 2,120,228	$ 50,708	$ 56,649,048	$ 1,465,529	$ 58,114,577
32		2022	Dec	$ 52,560,020	$ 1,332,665	$ 2,134,231	$ 50,289	$ 54,694,251	$ 1,382,954	$ 56,077,205
		Total		$ 1,519,879,648	$ 35,100,570	$ 57,547,939	$ 1,228,838	$ 1,577,427,587	$ 36,329,408	$ 1,613,756,995

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Base Case - 50% RPS 2%

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 340,243,371	$ -	$ 310,311,887	$ 310,311,887
2	I	2020	Jun	$ -	$ -	$ (29,999,771)	280,312,116
3	I	2020	Jul	$ -	$ 27,016,092	$ (5,098,523)	275,213,593
4	I	2020	Aug	$ -	$ 27,016,092	$ (6,077,020)	269,136,574
5	I	2020	Sep	$ -	$ 27,016,092	$ (8,777,442)	260,359,132
6	I	2020	Oct	$ -	$ 27,016,092	$ (4,597,457)	255,761,675
7	II	2020	Nov	$ -	$ 27,016,092	$ (9,841,094)	245,920,582
8	II	2020	Dec	$ -	$ 27,016,092	$ (7,074,254)	238,846,327
9	II	2021	Jan	$ -	$ 27,016,092	$ (7,521,445)	231,324,882
10	II	2021	Feb	$ -	$ 27,016,092	$ (7,296,586)	224,028,296
11	II	2021	Mar	$ -	$ 54,116,942	$ 20,609,714	244,638,010
12	II	2021	Apr	$ -	$ 54,116,942	$ 20,059,223	264,697,233
13	III	2021	May	$ -	$ 54,116,942	$ (2,244,563)	262,452,670
14	III	2021	Jun	$ -	$ 54,116,942	$ (5,423,356)	257,029,314
15	III	2021	Jul	$ -	$ 54,116,942	$ (10,300,250)	246,729,063
16	III	2021	Aug	$ -	$ 54,116,942	$ (9,832,825)	236,896,238
17	III	2021	Sep	$ -	$ 54,116,942	$ (21,953,779)	214,942,460
18	III	2021	Oct	$ -	$ 54,116,942	$ (10,890,631)	204,051,828
19	III	2021	Nov	$ -	$ 54,116,942	$ (3,442,850)	200,608,979
20	III	2021	Dec	$ -	$ 54,116,942	$ (2,314,687)	198,294,292
21		2022	Jan	$ -	$ 54,116,942	$ (6,009,732)	192,284,559
22		2022	Feb	$ -	$ 54,116,942	$ (752,295)	191,532,265
23		2022	Mar	$ -	$ 64,264,044	$ 10,472,856	202,005,120
24		2022	Apr	$ -	$ 64,264,044	$ 10,098,598	212,103,719
25		2022	May	$ -	$ 64,264,044	$ 9,174,422	221,278,140
26		2022	Jun	$ -	$ 64,264,044	$ 8,234,418	229,512,558
27		2022	Jul	$ -	$ 64,264,044	$ 1,562,614	231,075,172
28		2022	Aug	$ -	$ 64,264,044	$ (581,693)	230,493,479
29		2022	Sep	$ -	$ 64,264,044	$ (10,095,400)	220,398,078
30		2022	Oct	$ -	$ 64,264,044	$ (75,530)	220,322,549
31		2022	Nov	$ -	$ 64,264,044	$ 6,149,467	226,472,015
32		2022	Dec	$ -	$ 64,264,044	$ 8,186,839	234,658,854
		Total		$ 340,243,371	$ 1,508,172,478	$ 234,658,854	$ 7,533,691,659

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

271,527,480	Operating Costs, Average 5 Months for First Two Full Years
68,715,891	Average Annual Rate Stabilization Funding for First Two Full Years
340,243,371	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										340,243,371	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 340,243,371	$ 12,298,145	$ 24,601,610	$ 32,795,054	$ 409,938,180	$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 16,397,527**	**$ 16,397,527**	**$ 24,601,610**	**$ 24,601,610**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 24,601,610	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 24,601,610	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line	Description																	
	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,699	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,998	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	102,008	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,666	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	137,737																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100%

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: Base Case - 50% RPS 2% Opt Up to 100

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roor	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

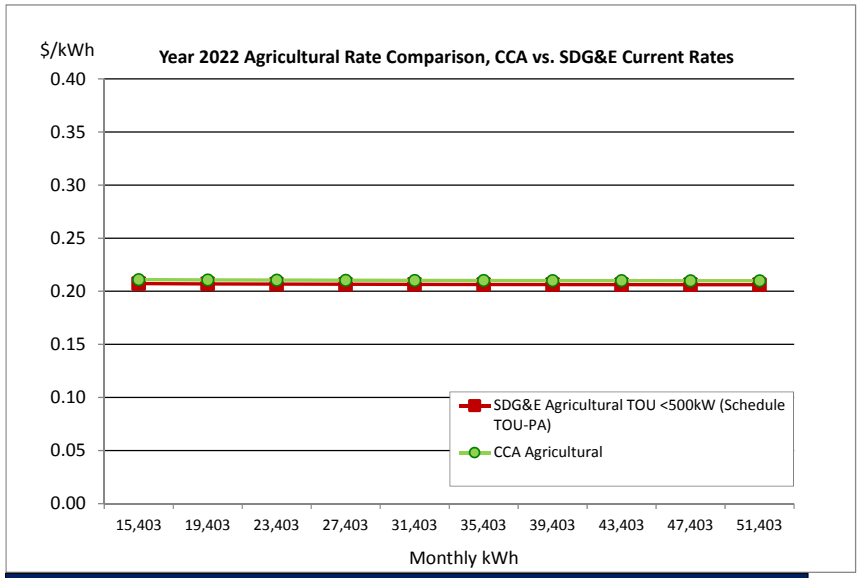
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.89	-	-	-	-	(4.26)	(261.89)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.2763	2,050.87	0.0891	0.1700	0.2591	1,923.55	(0.0172)	(127.32)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.2370	2,261.58	0.0891	0.1700	0.2591	2,473.14	0.0222	211.55
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.1951	3,611.21	0.0891	0.1700	0.2591	4,796.38	0.0640	1,185.17
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	447.02	0.0891	0.0561	0.1452	350.85	(0.0398)	(96.17)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.1722	1,802.19	0.0891	0.0561	0.1452	1,520.34	(0.0269)	(281.85)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.1543	2,228.46	0.0891	0.0561	0.1452	2,097.78	(0.0090)	(130.68)
Average Monthly Bill ($)						6,708.97				6,942.77		233.80
											Percentage Change	**3.5%**

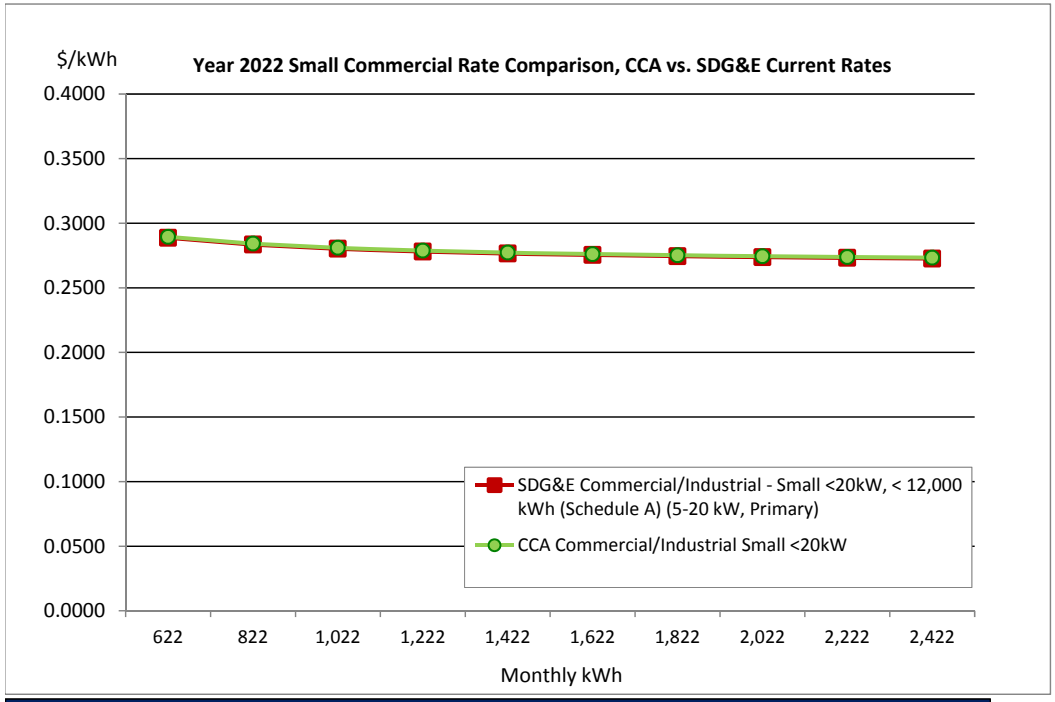


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.1800	0.3158	466.21	0.0111	16.43
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0802	0.2160	295.41	(0.0105)	(14.35)
Average Monthly Bill ($)						395.89				397.51		1.63
											Percentage Change	**0.4%**

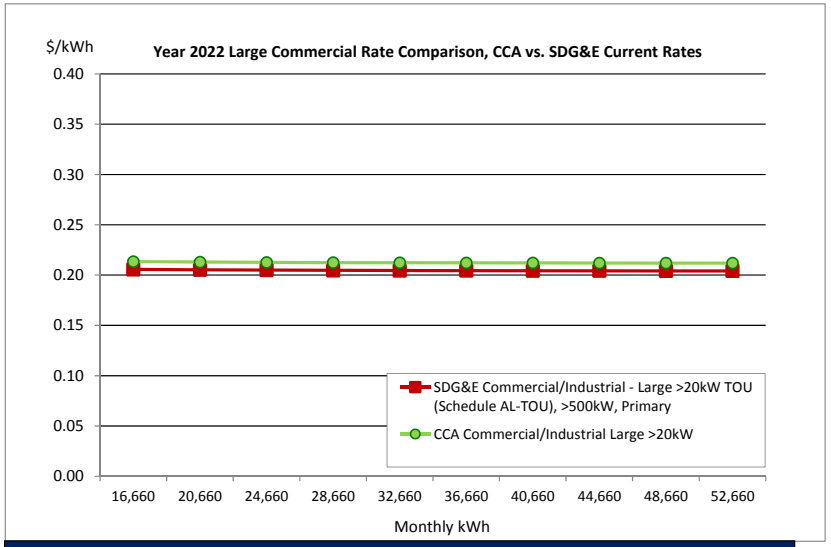


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.85	11.50	-	11.50	735.11	(12.54)	(801.74)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,107.01	0.0034	0.1900	0.1934	1,389.99	0.0394	282.98
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.26	0.0034	0.1900	0.1934	1,787.13	0.0512	472.87
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.30	0.0034	0.1900	0.1934	3,465.94	0.0887	1,589.65
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0717	0.0751	205.58	(0.0645)	(176.54)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.55	0.0034	0.0717	0.0751	890.84	(0.0456)	(540.71)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.08	0.0034	0.0717	0.0751	1,229.18	(0.0195)	(319.90)
Average Monthly Bill ($)						6,706.05				7,046.87		340.82
											Percentage Change	**5.1%**

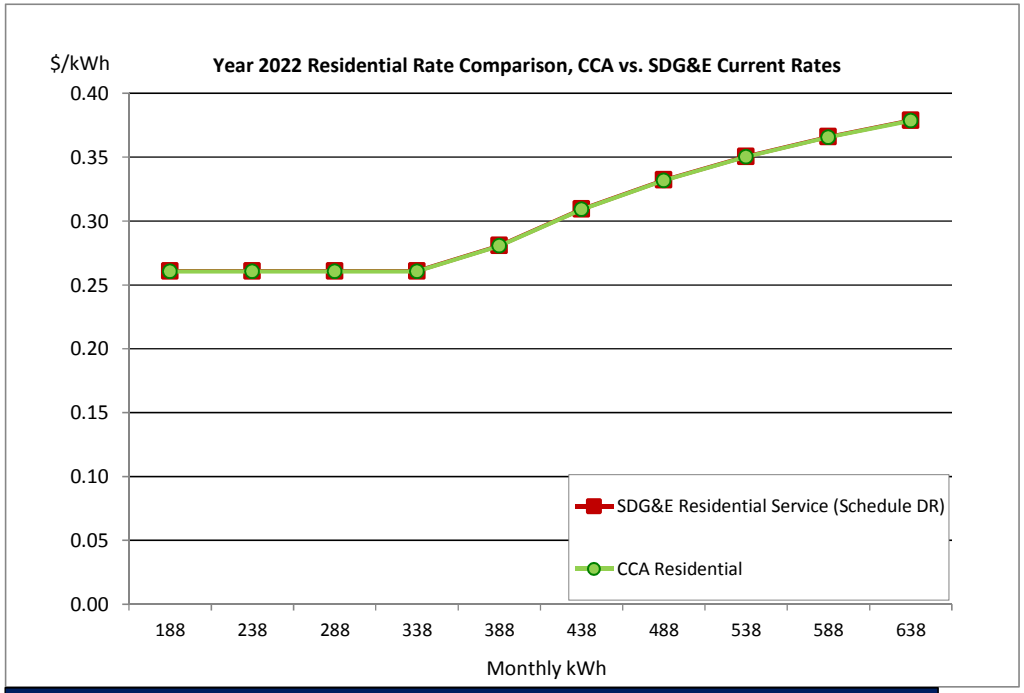


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2100	0.2865	102.81	0.0136	4.87
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.87	0.3570	0.2100	0.5670	25.48	0.0136	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0884	0.2324	83.85	(0.0154)	(5.55)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0884	0.4916	5.98	(0.0154)	(0.19)
Average Monthly Bill ($)						109.73				109.83		0.10
											Percentage Change	**0.1%**

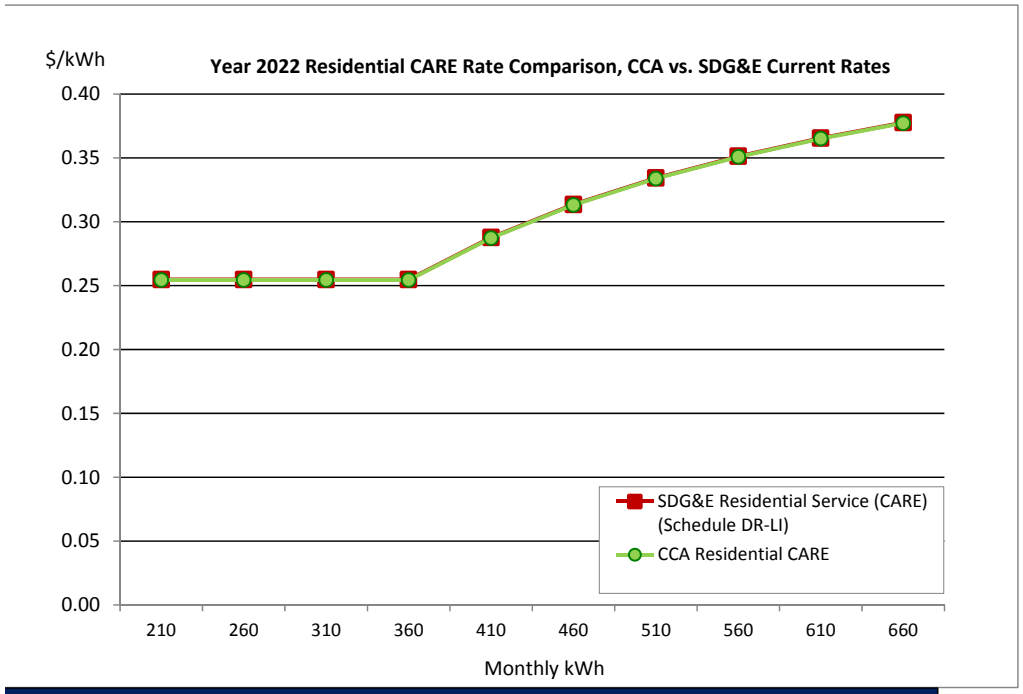


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2000	0.2759	99.01	0.0091	3.25
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.72	0.3564	0.2000	0.5564	37.33	0.0091	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0877	0.2311	83.39	(0.0106)	(3.82)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.34	0.4026	0.0877	0.4903	16.00	(0.0106)	(0.35)
Average Monthly Bill ($)						118.59				118.59		0.01
											Percentage Change	**0.0%**

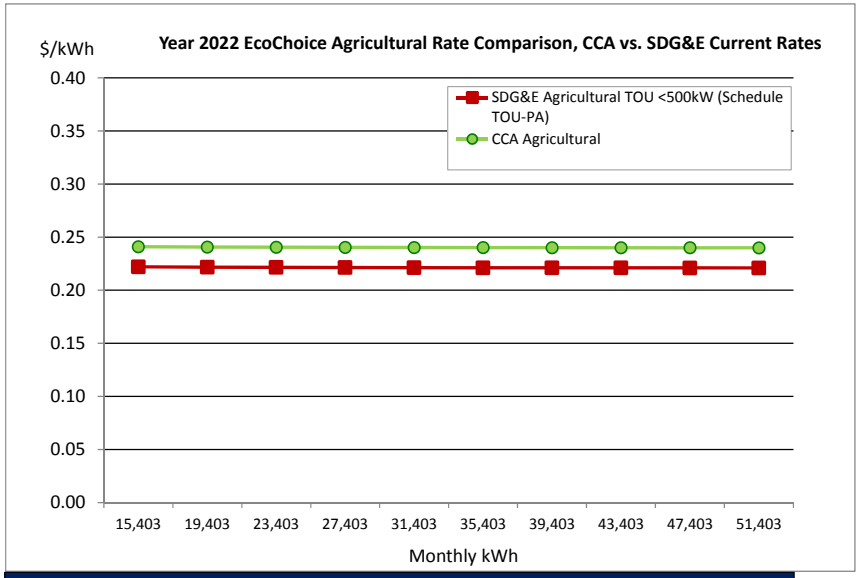


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.58	-	-	-	-	(4.0288)	(247.58)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.22	0.0891	0.2000	0.2891	2,146.24	(0.0024)	(17.98)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.32	0.0891	0.2000	0.2891	2,759.46	0.0369	352.14
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.86	0.0891	0.2000	0.2891	5,351.67	0.0788	1,457.82
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.91	0.0891	0.0861	0.1752	423.32	(0.0251)	(60.58)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,962.05	0.0891	0.0861	0.1752	1,834.40	(0.0122)	(127.65)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,449.03	0.0891	0.0861	0.1752	2,531.12	0.0057	82.09
Average Monthly Bill ($)							7,182.25				7,900.71		718.46
												Percentage Change	**10.0%**

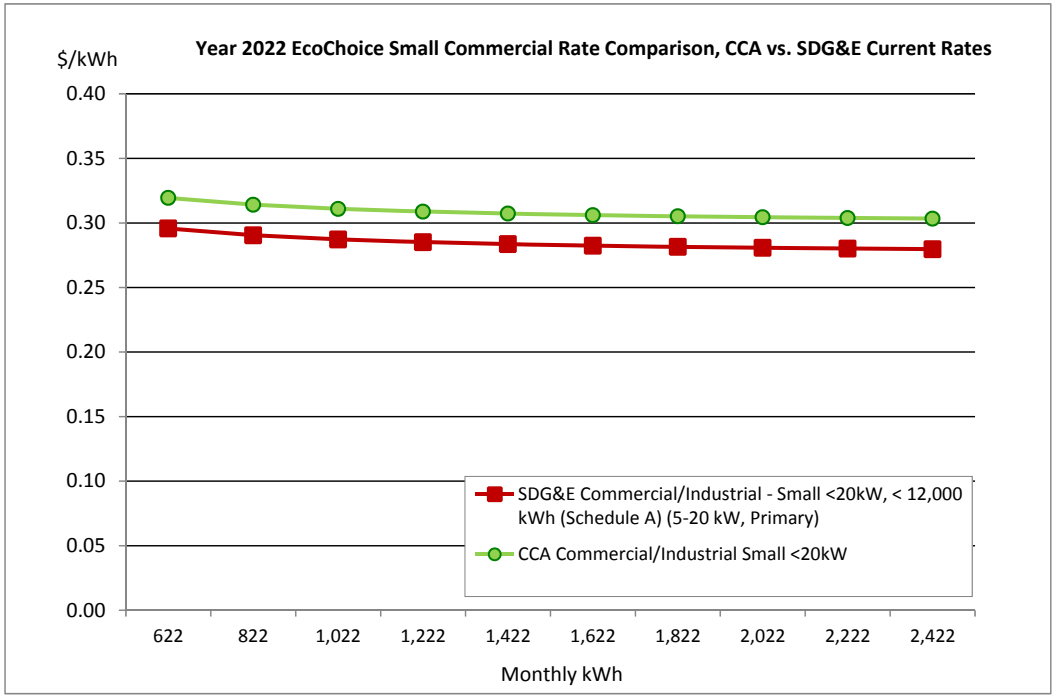


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	0.2100	0.3458	510.50	0.0341	50.30
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	0.1102	0.2460	336.44	0.0124	17.02
Average Monthly Bill ($)							405.94				440.23		34.29
												Percentage Change	**8.4%**

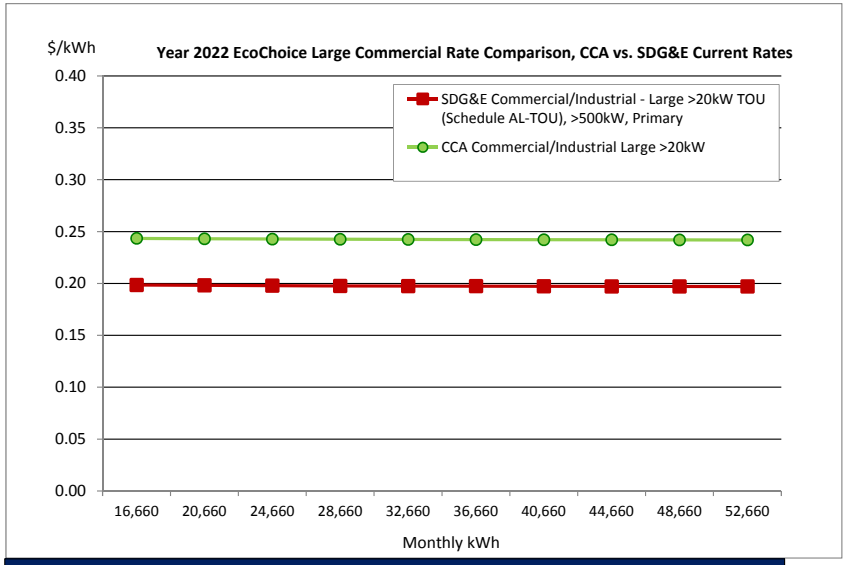


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.19	11.50	-	11.50	735.11	(13.27)	(848.08)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.37	0.0034	0.2200	0.2234	1,605.61	0.0773	555.24
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.44	0.0034	0.2200	0.2234	2,064.36	0.0891	822.91
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.07	0.0034	0.2200	0.2234	4,003.60	0.1266	2,268.53
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	0.1017	0.1051	287.71	(0.0266)	(72.83)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.07	0.0034	0.1017	0.1051	1,246.74	(0.0077)	(91.33)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.09	0.0034	0.1017	0.1051	1,720.26	0.0183	300.17
Average Monthly Bill ($)							6,471.17				8,029.31		1,558.14
												Percentage Change	**24.1%**

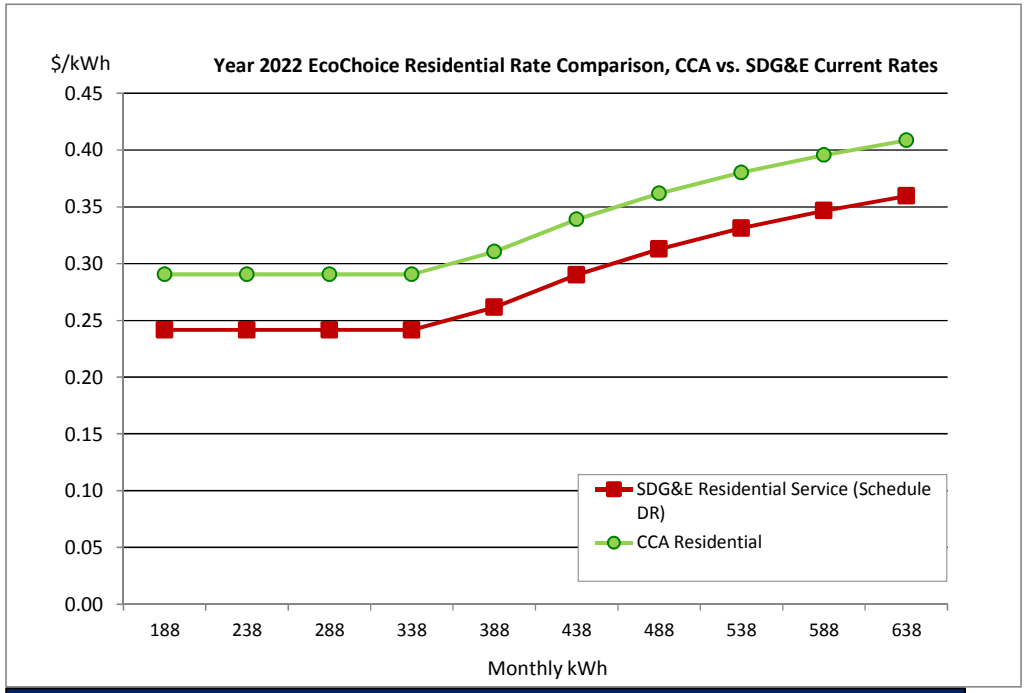


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	0.2400	0.3165	113.57	0.0629	22.57
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	0.2400	0.5970	26.83	0.0629	2.83
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	0.1184	0.2624	94.68	0.0339	12.24
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	0.1184	0.5216	6.35	0.0339	0.41
Average Monthly Bill ($)							102.22				121.50		19.28
												Percentage Change	**18.9%**

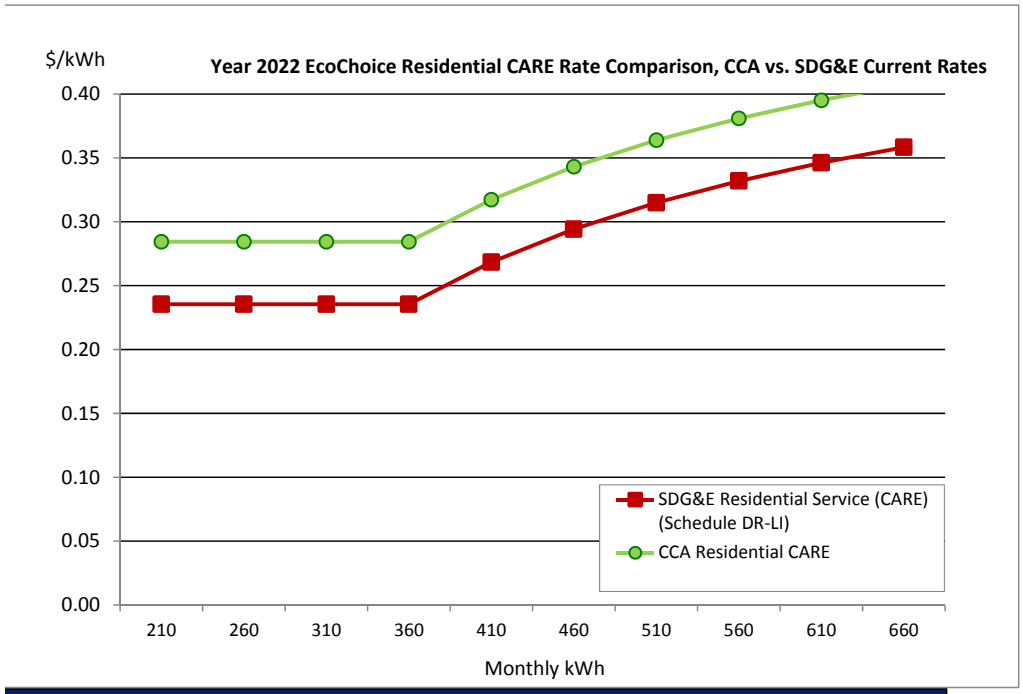


Base Case - 50% RPS 2% Opt Up to 100%

Scenario: Base Case - 50% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	0.2300	0.3059	109.77	0.0584	20.95
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	0.2300	0.5864	39.34	0.0584	3.92
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	0.1177	0.2611	94.21	0.0387	13.97
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.71	0.4026	0.1177	0.5203	16.98	0.0387	1.26
Average Monthly Bill ($)							110.66				130.90		20.24
												Percentage Change	**18.3%**



Base Case - 50% RPS 2% Opt Up to 100%

PRO FORMA OUTPUTS

SCENARIO 2

50% RPS 95% CI

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	8,082,137
4	Total Non-Operating Expenses		24,534,764
5	Power Costs		683,400,707
6	Contingency/Rate Stabilization Fund		72,825,267
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**788,842,875**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	-
10	Total Non-Operating Expenses		-
11	Power Costs		-
12	Contingency/Rate Stabilization Fund		-
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**-**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**788,842,875**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,403
3	Outdoor Lighting Small <20kW	330	23,848	6,028
4	Commercial/Industrial Small <20kW	38,919	664,102	1,422
5	Commercial/Industrial Large >20kW	7,416	2,906,326	32,660
6	Residential	339,445	1,581,900	388
7	Residential CARE	88,021	432,703	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**475,216**	**5,666,311**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	-	-	-
14	Commercial/Industrial Large >20kW	-	-	-
15	Residential	-	-	-
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**-**	**-**	**-**
19	**TOTAL CCA**	**475,216**	**5,666,311**	**-**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		0%	0.00%
23	Commercial/Industrial Large >20kW		0%	0.00%
24	Residential		0%	0.00%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**0%**	**0.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1700	0.0560	-	-
2	Outdoor Lighting Small <20kW	0.1400	0.0633	-	-
3	Commercial/Industrial Small <20kW	0.1800	0.0801	-	-
4	Commercial/Industrial Large >20kW	0.1900	0.0716	-	-
5	Residential	0.2100	0.0883	-	-
6	Residential CARE	0.2000	0.0877	-	-
7	Residential Outdoor Lighting	0.1400	0.0579	-	-

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Estimated Revenue by Rate Class

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Scenario 2 - 50% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,253	55,828	55,730	55,666	55,697
2	Outdoor Lighting Small <20kW	15,231	23,902	23,861	23,824	23,860
3	Commercial/Industrial Small <20kW	103,029	665,529	664,445	663,604	664,256
4	Commercial/Industrial Large >20kW	2,006,499	2,912,644	2,907,881	2,904,242	2,906,856
5	Residential	-	1,085,202	1,582,767	1,580,775	1,582,157
6	Residential CARE	-	296,840	432,941	432,396	432,774
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
	Scenario 2 - 50% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-
13	Residential	-	-	-	-	-
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	-	-	-	-	-
17	**Total MWh**	**2,165,013**	**5,041,116**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 4,846,285	$ 6,721,438	$ 6,709,643	$ 6,701,858	$ 6,705,666
20	Outdoor Lighting Small <20kW	1,499,458	2,353,160	2,349,084	2,345,432	2,348,947
21	Commercial/Industrial Small <20kW	13,595,554	87,821,824	87,678,832	87,567,896	87,653,904
22	Commercial/Industrial Large >20kW	268,596,715	389,896,288	389,258,658	388,771,545	389,121,479
23	Residential	-	164,474,526	239,886,086	239,584,149	239,793,614
24	Residential CARE	-	43,360,845	63,241,789	63,162,189	63,217,411
25	Residential Outdoor Lighting	-	115,205	170,723	170,494	170,699
26	Total	288,538,012	694,743,286	789,294,816	788,303,564	789,011,718
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-
31	Residential	-	-	-	-	-
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 288,538,012**	**$ 694,743,286**	**$ 789,294,816**	**$ 788,303,564**	**$ 789,011,718**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 216,403,509**	**$ 651,087,242**	**$ 773,536,227**	**$ 788,468,772**	**$ 788,893,693**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Scenario 2 - 50% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,428	55,399	55,357	55,425	55,251	55,252
2	Outdoor Lighting Small <20kW	23,732	23,719	23,701	23,748	23,654	23,656
3	Commercial/Industrial Small <20kW	660,829	660,444	659,914	661,047	658,747	658,781
4	Commercial/Industrial Large >20kW	2,892,048	2,890,424	2,888,191	2,892,884	2,882,998	2,883,132
5	Residential	1,574,274	1,573,343	1,572,113	1,574,622	1,569,378	1,569,531
6	Residential CARE	430,618	430,363	430,027	430,713	429,278	429,320
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
	Scenario 2 - 50% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-	-
13	Residential	-	-	-	-	-	-
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	-	-	-	-	-	-
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,673,244	$ 6,669,738	$ 6,664,707	$ 6,672,901	$ 6,651,946	$ 6,652,089
20	Outdoor Lighting Small <20kW	2,336,394	2,335,063	2,333,362	2,337,985	2,328,747	2,328,867
21	Commercial/Industrial Small <20kW	87,201,663	87,150,884	87,080,943	87,230,490	86,926,963	86,931,446
22	Commercial/Industrial Large >20kW	387,139,276	386,921,830	386,622,859	387,251,113	385,927,792	385,945,694
23	Residential	238,598,892	238,457,801	238,271,406	238,651,545	237,856,820	237,879,981
24	Residential CARE	62,902,443	62,865,247	62,816,107	62,916,324	62,706,809	62,712,915
25	Residential Outdoor Lighting	169,789	169,691	169,563	169,891	169,251	169,259
26	Total	785,021,701	784,570,253	783,958,948	785,230,248	782,568,328	782,620,251
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-	-
31	Residential	-	-	-	-	-	-
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 785,021,701**	**$ 784,570,253**	**$ 783,958,948**	**$ 785,230,248**	**$ 782,568,328**	**$ 782,620,251**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 785,686,704**	**$ 784,645,495**	**$ 784,060,832**	**$ 785,018,364**	**$ 783,011,981**	**$ 782,611,597**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Scenario 2 - 50% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,410	55,359	55,412	55,436
2	Outdoor Lighting Small <20kW	23,649	23,747	23,706	23,726	23,736
3	Commercial/Industrial Small <20kW	658,561	660,852	660,066	660,692	660,981
4	Commercial/Industrial Large >20kW	2,882,203	2,892,057	2,888,810	2,891,560	2,892,733
5	Residential	1,569,079	1,574,215	1,572,701	1,574,182	1,574,668
6	Residential CARE	429,196	430,601	430,187	430,592	430,725
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
	Scenario 2 - 50% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-
13	Residential	-	-	-	-	-
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	-	-	-	-	-
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,649,676	$ 6,671,069	$ 6,664,926	$ 6,671,338	$ 6,674,150
20	Outdoor Lighting Small <20kW	2,328,166	2,337,821	2,333,809	2,335,745	2,336,734
21	Commercial/Industrial Small <20kW	86,902,452	87,204,677	87,101,018	87,183,622	87,221,696
22	Commercial/Industrial Large >20kW	385,821,384	387,140,376	386,705,812	387,073,835	387,230,907
23	Residential	237,811,461	238,589,903	238,360,437	238,584,849	238,658,567
24	Residential CARE	62,694,851	62,900,073	62,839,579	62,898,741	62,918,175
25	Residential Outdoor Lighting	169,206	169,847	169,597	169,753	169,829
26	Total	782,377,196	785,013,766	784,175,178	784,917,884	785,210,058
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-
31	Residential	-	-	-	-	-
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 782,377,196**	**$ 785,013,766**	**$ 784,175,178**	**$ 784,917,884**	**$ 785,210,058**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 782,417,706**	**$ 784,574,338**	**$ 784,314,943**	**$ 784,794,100**	**$ 785,161,362**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 216,403,509	$ 651,087,242	$ 773,536,227	$ 788,468,772	$ 788,893,693	$ 785,686,704	$ 784,645,495	$ 784,060,832
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 216,403,509	$ 651,087,242	$ 773,536,227	$ 788,468,772	$ 788,893,693	$ 785,686,704	$ 784,645,495	$ 784,060,832
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		166,007,037	379,670,386	415,918,787	417,727,555	410,445,504	407,688,136	398,296,416	396,992,807
7	SDG&E Service Charges		2,940,272	4,885,431	4,946,847	5,039,429	5,144,765	5,221,424	5,322,710	5,424,913
8	SDG&E CRS Charges		72,570,622	192,495,110	225,394,020	231,388,643	236,626,382	233,469,761	232,252,871	232,437,734
9	SDG&E Power Franchise Charges		9,595,207	21,944,948	24,040,106	24,144,653	23,723,750	23,564,374	23,021,533	22,946,184
10	ESP Charges		206,548	6,134,275	8,558,559	8,547,780	8,555,341	8,512,569	8,507,546	8,500,884
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,477	552,389	729,317	735,669	743,543	749,746	758,659	767,668
15	Uncollectable Accounts		406,839	1,224,044	1,454,248	1,482,321	1,483,120	1,477,091	1,475,134	1,474,034
16	**Total Operating Expenses**		$ 254,402,994	$ 611,464,219	$ 686,764,972	$ 694,937,183	$ 692,746,377	$ 686,865,326	$ 675,980,514	$ 675,058,091
17	Contingency/Rate Stabilization Fund		26,912,228	64,512,833	72,364,310	73,197,569	72,913,921	72,301,367	71,129,613	71,025,812
18	**Total Operating Expenses & Contin/Rate Stab**		$ 281,315,222	$ 675,977,052	$ 759,129,282	$ 768,134,753	$ 765,660,299	$ 759,166,693	$ 747,110,127	$ 746,083,903
19	**Net Operating Revenues**		$ (64,911,713)	$ (24,889,810)	$ 14,406,945	$ 20,334,020	$ 23,233,394	$ 26,520,011	$ 37,535,368	$ 37,976,929
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,028,797	2,959,463	2,732,455	2,688,438	2,687,661	2,717,807	2,820,215	2,980,810
22	Total Non-Operating Revenues (Expenses)		$ 1,728,797	$ 2,959,463	$ 2,732,455	$ 2,688,438	$ 2,597,445	$ 2,717,807	$ 2,820,215	$ 2,956,545
23	**Net Operating Income**		$ (63,182,916)	$ (21,930,347)	$ 17,139,401	$ 23,022,458	$ 25,830,839	$ 29,237,818	$ 40,355,583	$ 40,933,474
	Debt Service	[3]								
24	Borrowing 1		$ 16,332,929	$ 16,332,929	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 16,332,929	$ 16,332,929	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
29	**Debt Service Coverage (Target=1.25)**		(3.87)	(1.34)	0.70	0.94	1.05	1.19	1.65	1.67
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (79,515,846)	$ (38,263,276)	$ (7,365,291)	$ (1,482,234)	$ 1,326,147	$ 4,733,125	$ 15,850,890	$ 16,428,782
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (79,515,846)	$ (38,263,276)	$ (7,365,291)	$ (1,482,234)	$ 1,326,147	$ 4,733,125	$ 15,850,890	$ 16,428,782

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 275,720,070	$ 253,789,723	$ 246,424,432	$ 244,942,197	$ 246,268,345	$ 251,001,470	$ 266,852,361
35	Deposit/(Withdrawal) from Operations	$ (79,515,846)	$ (38,263,276)	$ (7,365,291)	$ (1,482,234)	$ 1,326,147	$ 4,733,125	$ 15,850,890	$ 16,428,782
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 396,073,537	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (24,504,692)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (32,665,859)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	16,332,929	16,332,929	-	-	-	-	-	-
41	Ending Year Balance	$ 275,720,070	$ 253,789,723	$ 246,424,432	$ 244,942,197	$ 246,268,345	$ 251,001,470	$ 266,852,361	$ 283,281,142
42	Targeted Working Capital Balance	$ 98,928,206	$ 240,866,083	$ 272,207,577	$ 275,948,636	$ 276,032,037	$ 273,572,468	$ 269,705,575	$ 269,459,021
43	Surplus/(Deficiency)	$ 176,791,864	$ 12,923,640	$ (25,783,145)	$ (31,006,439)	$ (29,763,692)	$ (22,570,997)	$ (2,853,215)	$ 13,822,121
44	Ratio of Surplus/(Deficiency) to Revenues	82%	2%	-3%	-4%	-4%	-3%	0%	2%
45	% Surplus/(Deficiency) to Target	179%	5%	-9%	-11%	-11%	-8%	-1%	5%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 275,720,070	$ 253,789,723	$ 246,424,432	$ 244,942,197	$ 246,268,345	$ 251,001,470	$ 266,852,361
47	Total Operating Revenues	216,403,509	651,087,242	773,536,227	788,468,772	788,893,693	785,686,704	784,645,495	784,060,832
48	Total Operating Expenses	(254,402,994)	(611,464,219)	(686,764,972)	(694,937,183)	(692,746,377)	(686,865,326)	(675,980,514)	(675,058,091)
49	Contingency/Rate Stabilization Fund	(26,912,228)	(64,512,833)	(72,364,310)	(73,197,569)	(72,913,921)	(72,301,367)	(71,129,613)	(71,025,812)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	338,902,986	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	16,332,929	16,332,929	-	-	-	-	-	-
54	Total Debt Service	(16,332,929)	(16,332,929)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)
55	Total Funds	$ 273,691,273	$ 250,830,260	$ 243,691,976	$ 242,253,760	$ 243,580,683	$ 248,283,663	$ 264,032,146	$ 280,300,332
56	Average Annual Balance	$ 182,460,849	$ 263,275,165	$ 248,740,850	$ 244,339,096	$ 244,261,440	$ 247,276,004	$ 257,516,808	$ 273,576,346
57	Annual Interest Earnings, All Funds	$ 2,028,797	$ 2,959,463	$ 2,732,455	$ 2,688,438	$ 2,687,661	$ 2,717,807	$ 2,820,215	$ 2,980,810
	Year Ending Balance, with Interest	$ 275,720,070	$ 253,789,723	$ 246,424,432	$ 244,942,197	$ 246,268,345	$ 251,001,470	$ 266,852,361	$ 283,281,142
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
59	Deposit from Bond Proceeds	$ 24,504,692	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
62	Average Annual Balance	$ 12,252,346	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
63	Annual Interest Earnings, to Operating Fund	$ 122,523	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 16,332,929	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 32,665,859	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (16,332,929)	$ (16,332,929)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 16,332,929	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 8,166,465	$ 8,166,465	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 81,665	$ 81,665	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 785,018,364	$ 783,011,981	$ 782,611,597	$ 782,417,706	$ 784,574,338	$ 784,314,943	$ 784,794,100	$ 785,161,362
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 785,018,364	$ 783,011,981	$ 782,611,597	$ 782,417,706	$ 784,574,338	$ 784,314,943	$ 784,794,100	$ 785,161,362
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		396,944,088	393,330,706	390,283,036	381,046,732	380,811,132	382,586,575	374,480,058	372,915,598
7	SDG&E Service Charges		5,542,301	5,634,238	5,747,456	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
8	SDG&E CRS Charges		234,774,894	236,124,428	237,652,118	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
9	SDG&E Power Franchise Charges		22,943,368	22,734,515	22,558,359	22,024,501	22,010,883	22,113,504	21,644,947	21,554,522
10	ESP Charges		8,514,542	8,486,061	8,486,848	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,079	786,675	797,165	807,877	820,202	830,886	842,514	853,958
15	Uncollectable Accounts		1,475,835	1,472,063	1,471,310	1,470,945	1,475,000	1,474,512	1,475,413	1,476,103
16	**Total Operating Expenses**		$ 677,660,263	$ 675,434,478	$ 674,046,078	$ 665,755,373	$ 667,685,006	$ 670,694,186	$ 663,865,399	$ 664,072,764
17	Contingency/Rate Stabilization Fund		71,285,597	71,030,980	70,865,117	69,954,152	70,145,026	70,461,686	69,706,930	69,713,795
18	**Total Operating Expenses & Contin/Rate Stab**		$ 748,945,860	$ 746,465,458	$ 744,911,195	$ 735,709,524	$ 737,830,032	$ 741,155,873	$ 733,572,329	$ 733,786,559
19	**Net Operating Revenues**		$ 36,072,504	$ 36,546,523	$ 37,700,402	$ 46,708,181	$ 46,744,306	$ 43,159,070	$ 51,221,771	$ 51,374,804
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		3,135,156	3,284,015	3,441,824	3,652,019	3,910,246	4,153,310	4,421,554	4,733,558
22	Total Non-Operating Revenues (Expenses)		$ 3,026,932	$ 3,284,015	$ 3,197,985	$ 3,652,019	$ 3,808,619	$ 4,153,310	$ 4,392,114	$ 4,733,558
23	**Net Operating Income**		$ 39,099,436	$ 39,830,538	$ 40,898,387	$ 50,360,200	$ 50,552,925	$ 47,312,381	$ 55,613,884	$ 56,108,362
	Debt Service	[3]								
24	Borrowing 1		$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
29	**Debt Service Coverage (Target=1.25)**		1.60	1.63	1.67	2.06	2.06	1.93	2.27	2.29
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 14,594,744	$ 15,325,845	$ 16,393,695	$ 25,855,508	$ 26,048,232	$ 22,807,689	$ 31,109,192	$ 31,603,670
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 14,594,744	$ 15,325,845	$ 16,393,695	$ 25,855,508	$ 26,048,232	$ 22,807,689	$ 31,109,192	$ 31,603,670

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 283,281,142	$ 297,875,886	$ 313,201,732	$ 329,595,427	$ 355,450,934	$ 381,499,167	$ 404,306,855	$ 435,416,048
35	Deposit/(Withdrawal) from Operations	$ 14,594,744	$ 15,325,845	$ 16,393,695	$ 25,855,508	$ 26,048,232	$ 22,807,689	$ 31,109,192	$ 31,603,670
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 297,875,886	$ 313,201,732	$ 329,595,427	$ 355,450,934	$ 381,499,167	$ 404,306,855	$ 435,416,048	$ 467,019,717
42	Targeted Working Capital Balance	$ 270,750,070	$ 270,229,904	$ 270,032,284	$ 267,419,839	$ 268,409,092	$ 269,609,324	$ 267,537,265	$ 267,889,555
43	Surplus/(Deficiency)	$ 27,125,816	$ 42,971,828	$ 59,563,143	$ 88,031,096	$ 113,090,075	$ 134,697,531	$ 167,878,783	$ 199,130,162
44	Ratio of Surplus/(Deficiency) to Revenues	3%	5%	8%	11%	14%	17%	21%	25%
45	% Surplus/(Deficiency) to Target	10%	16%	22%	33%	42%	50%	63%	74%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 283,281,142	$ 297,875,886	$ 313,201,732	$ 329,595,427	$ 355,450,934	$ 381,499,167	$ 404,306,855	$ 435,416,048
47	Total Operating Revenues	785,018,364	783,011,981	782,611,597	782,417,706	784,574,338	784,314,943	784,794,100	785,161,362
48	Total Operating Expenses	(677,660,263)	(675,434,478)	(674,046,078)	(665,755,373)	(667,685,006)	(670,694,186)	(663,865,399)	(664,072,764)
49	Contingency/Rate Stabilization Fund	(71,285,597)	(71,030,980)	(70,865,117)	(69,954,152)	(70,145,026)	(70,461,686)	(69,706,930)	(69,713,795)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)	(24,504,692)
55	Total Funds	$ 294,740,730	$ 309,917,717	$ 326,153,603	$ 351,798,916	$ 377,588,921	$ 400,153,545	$ 430,994,494	$ 462,286,159
56	Average Annual Balance	$ 289,010,936	$ 303,896,802	$ 319,677,667	$ 340,697,171	$ 366,519,927	$ 390,826,356	$ 417,650,675	$ 448,851,104
57	Annual Interest Earnings, All Funds	$ 3,135,156	$ 3,284,015	$ 3,441,824	$ 3,652,019	$ 3,910,246	$ 4,153,310	$ 4,421,554	$ 4,733,558
	Year Ending Balance, with Interest	$ 297,875,886	$ 313,201,732	$ 329,595,427	$ 355,450,934	$ 381,499,167	$ 404,306,855	$ 435,416,048	$ 467,019,717
	Bond Reserve Fund								
58	Beginning Year Balance	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
62	Average Annual Balance	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
63	Annual Interest Earnings, to Operating Fund	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047	$ 245,047
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ 0	$ 0	$ 0	$ 0	$ 0
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ 0	$ 0	$ 0	$ 0	$ 0
68	Average Annual Balance	$ -	$ -	$ -	$ 0	$ 0	$ 0	$ 0	$ 0
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ 0	$ 0	$ 0	$ 0	$ 0

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,475	340,793	475,476	474,877	475,297
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	166,007,037	379,670,386	415,918,787	417,727,555	410,445,504
5	SDG&E Service Charges	2,940,272	4,885,431	4,946,847	5,039,429	5,144,765
6	SDG&E CRS Charges	72,570,622	192,495,110	225,394,020	231,388,643	236,626,382
7	SDG&E Power Franchise Charges	9,595,207	21,944,948	24,040,106	24,144,653	23,723,750
8	ESP Charges	206,548	6,134,275	8,558,559	8,547,780	8,555,341
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,477	552,389	729,317	735,669	743,543
13	Uncollectable Accounts	$ 406,839	$ 1,224,044	$ 1,454,248	$ 1,482,321	$ 1,483,120
14	**Total Operating Expenses**	$ 254,402,994	$ 611,464,219	$ 686,764,972	$ 694,937,183	$ 692,746,377
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	16,332,929	16,332,929	24,504,692	24,504,692	24,504,692
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 16,632,929	$ 16,332,929	$ 24,504,692	$ 24,504,692	$ 24,594,908
19	**Total Operating & Non-Operating Expenses**	**$ 271,035,923**	**$ 627,797,148**	**$ 711,269,664**	**$ 719,441,875**	**$ 717,341,285**
20	Contingency/Rate Stabilization Fund	$ 26,912,228	$ 64,512,833	$ 72,364,310	$ 73,197,569	$ 72,913,921
21	**Total Expenses Incl. Contingency**	$ 297,948,152	$ 692,309,981	$ 783,633,974	$ 792,639,445	$ 790,255,207

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,920	472,641	472,271	473,030	471,448	471,492
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	407,688,136	398,296,416	396,992,807	396,944,088	393,330,706	390,283,036
5	SDG&E Service Charges	5,221,424	5,322,710	5,424,913	5,542,301	5,634,238	5,747,456
6	SDG&E CRS Charges	233,469,761	232,252,871	232,437,734	234,774,894	236,124,428	237,652,118
7	SDG&E Power Franchise Charges	23,564,374	23,021,533	22,946,184	22,943,368	22,734,515	22,558,359
8	ESP Charges	8,512,569	8,507,546	8,500,884	8,514,542	8,486,061	8,486,848
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,746	758,659	767,668	778,079	786,675	797,165
13	Uncollectable Accounts	$ 1,477,091	$ 1,475,134	$ 1,474,034	$ 1,475,835	$ 1,472,063	$ 1,471,310
14	**Total Operating Expenses**	$ 686,865,326	$ 675,980,514	$ 675,058,091	$ 677,660,263	$ 675,434,478	$ 674,046,078
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	24,504,692	24,504,692	24,504,692	24,504,692	24,504,692	24,504,692
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,504,692	$ 24,504,692	$ 24,528,957	$ 24,612,916	$ 24,504,692	$ 24,748,531
19	**Total Operating & Non-Operating Expenses**	**$ 711,370,018**	**$ 700,485,206**	**$ 699,587,048**	**$ 702,273,179**	**$ 699,939,170**	**$ 698,794,609**
20	Contingency/Rate Stabilization Fund	$ 72,301,367	$ 71,129,613	$ 71,025,812	$ 71,285,597	$ 71,030,980	$ 70,865,117
21	**Total Expenses Incl. Contingency**	$ 783,671,385	$ 771,614,819	$ 770,612,861	$ 773,558,777	$ 770,970,150	$ 769,659,726

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,354	472,906	472,441	472,886	473,038
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	381,046,732	380,811,132	382,586,575	374,480,058	372,915,598
5	SDG&E Service Charges	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
6	SDG&E CRS Charges	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
7	SDG&E Power Franchise Charges	22,024,501	22,010,883	22,113,504	21,644,947	21,554,522
8	ESP Charges	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,877	820,202	830,886	842,514	853,958
13	Uncollectable Accounts	$ 1,470,945	$ 1,475,000	$ 1,474,512	$ 1,475,413	$ 1,476,103
14	**Total Operating Expenses**	$ 665,755,373	$ 667,685,006	$ 670,694,186	$ 663,865,399	$ 664,072,764
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	24,504,692	24,504,692	24,504,692	24,504,692	24,504,692
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,504,692	$ 24,606,320	$ 24,504,692	$ 24,534,132	$ 24,504,692
19	**Total Operating & Non-Operating Expenses**	**$ 690,260,065**	**$ 692,291,326**	**$ 695,198,878**	**$ 688,399,531**	**$ 688,577,456**
20	Contingency/Rate Stabilization Fund	$ 69,954,152	$ 70,145,026	$ 70,461,686	$ 69,706,930	$ 69,713,795
21	**Total Expenses Incl. Contingency**	$ 760,214,216	$ 762,436,352	$ 765,660,565	$ 758,106,461	$ 758,291,251

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 206,548	$ 6,134,275	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 206,548	$ 6,134,275	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	137,699	4,089,517	5,705,706	5,698,520	5,703,561	5,675,046
4		Opt-up to 100%	-		-	-	-	-
5		**Total Customer Accounts Billing Determinants**	137,699	4,089,517	5,705,706	5,698,520	5,703,561	5,675,046
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
6		Opt-up to 100%	-	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
		Customer Accounts Billing Determinants						
4		Baseload	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
4		Opt-up to 100%	-	-	-	-	-	-
5		**Total Customer Accounts Billing Determinants**	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
6		Opt-up to 100%	-	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,538,194
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,538,194
		Customer Accounts Billing Determinants					
4		Baseload	5,674,876	5,669,290	5,674,631	5,676,454	83,692,129
4		Opt-up to 100%	-	-	-	-	-
5		**Total Customer Accounts Billing Determinants**	5,674,876	5,669,290	5,674,631	5,676,454	83,692,129
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
6		Opt-up to 100%	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 108,201,755	$ 216,716,295	$ 434,058,161	$ 753,128,063	$ 1,512,104,274
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 61,569,539	$ 67,340,573	$ 175,521,478	$ 254,380,973	$ 558,812,564
4	Power Procurement	$ 122,147,759	$ 129,664,947	$ 293,864,717	$ 415,918,787	$ 961,596,210
5	Total ESP Charges	$ 74,829	$ 405,004	$ 5,860,991	$ 8,558,559	$ 14,899,383
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,446	$ 1,986,434	$ 3,103,905	$ 5,701,756	$ 12,095,541
8	**Subtotal Expenses**	$ 185,718,697	$ 199,743,208	$ 478,774,425	$ 684,749,014	$ 1,548,985,344
9	Contingency	$ 6,357,094	$ 7,007,826	$ 18,490,971	$ 26,883,023	58,738,913
10	**Total Expenses**	$ 192,075,791	$ 206,751,034	$ 497,265,396	$ 711,632,037	$ 1,607,724,258
11	Cash Flow	$ (83,874,036)	$ 9,965,261	$ (63,207,234)	$ 41,496,027	$ (95,619,984)
12	Cumulative Cash Flow	$ (83,874,036)	$ (73,908,776)	$ (137,116,010)	$ (95,619,984)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 2 - 50% RPS 95% CI

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,414	-	238,140	-	$ 600,000	$ -
2	I	2020	Jun	8,030	-	252,896	-	$ -	$ -
3	I	2020	Jul	8,620	-	272,035	-	$ -	$ -
4	I	2020	Aug	8,298	-	262,137	-	$ -	$ -
5	I	2020	Sep	9,325	-	295,228	-	$ -	$ -
6	I	2020	Oct	8,198	-	259,015	-	$ -	$ -
7	II	2020	Nov	44,923	-	298,295	-	$ 300,000	$ -
8	II	2020	Dec	42,890	-	287,267	-	$ -	$ -
9	II	2021	Jan	46,111	-	288,647	-	$ -	$ -
10	II	2021	Feb	45,349	-	290,199	-	$ -	$ -
11	II	2021	Mar	45,320	-	285,865	-	$ -	$ -
12	II	2021	Apr	45,410	-	286,169	-	$ -	$ -
13	III	2021	May	418,556	-	436,809	-	$ 300,000	$ -
14	III	2021	Jun	428,977	-	456,249	-	$ -	$ -
15	III	2021	Jul	489,643	-	501,490	-	$ -	$ -
16	III	2021	Aug	507,294	-	500,122	-	$ -	$ -
17	III	2021	Sep	612,133	-	578,995	-	$ -	$ -
18	III	2021	Oct	516,289	-	498,749	-	$ -	$ -
19	III	2021	Nov	453,482	-	458,687	-	$ -	$ -
20	III	2021	Dec	480,952	-	459,135	-	$ -	$ -
21		2022	Jan	526,224	-	477,407	-	$ -	$ -
22		2022	Feb	440,112	-	444,757	-	$ -	$ -
23		2022	Mar	432,333	-	437,425	-	$ -	$ -
24		2022	Apr	406,299	-	426,138	-	$ -	$ -
25		2022	May	419,023	-	437,296	-	$ -	$ -
26		2022	Jun	427,796	-	454,992	-	$ -	$ -
27		2022	Jul	486,834	-	498,614	-	$ -	$ -
28		2022	Aug	507,610	-	500,434	-	$ -	$ -
29		2022	Sep	611,528	-	578,422	-	$ -	$ -
30		2022	Oct	514,594	-	497,111	-	$ -	$ -
31		2022	Nov	453,018	-	458,217	-	$ -	$ -
32		2022	Dec	480,335	-	458,546	-	$ -	$ -
		Total						$ 1,200,000	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 2 - 50% RPS 95

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,422,360	$ 8,024,915	$ 1,007,628	$ 10,454,903	$ -
2	I	2020	Jun	$ 6,692	$ 8,471,282	$ 1,105,557	$ 9,583,531	$ -
3	I	2020	Jul	$ 7,183	$ 9,126,288	$ 1,181,095	$ 10,314,566	$ -
4	I	2020	Aug	$ 6,915	$ 8,806,358	$ 1,252,921	$ 10,066,194	$ -
5	I	2020	Sep	$ 7,771	$ 9,920,928	$ 1,333,347	$ 11,262,045	$ -
6	I	2020	Oct	$ 6,832	$ 8,701,876	$ 1,179,593	$ 9,888,300	$ -
7	II	2020	Nov	$ 1,446,777	$ 9,946,465	$ 1,279,905	$ 12,673,146	$ -
8	II	2020	Dec	$ 35,742	$ 9,572,512	$ 1,255,162	$ 10,863,415	$ -
9	II	2021	Jan	$ 39,194	$ 9,706,025	$ 1,260,969	$ 11,006,189	$ -
10	II	2021	Feb	$ 38,546	$ 9,756,504	$ 1,246,009	$ 11,041,059	$ -
11	II	2021	Mar	$ 38,522	$ 9,611,280	$ 1,211,532	$ 10,861,334	$ -
12	II	2021	Apr	$ 38,599	$ 9,615,773	$ 1,241,058	$ 10,895,429	$ -
13	III	2021	May	$ 1,765,115	$ 17,152,440	$ 1,840,887	$ 20,758,442	$ -
14	III	2021	Jun	$ 364,631	$ 17,818,008	$ 2,070,922	$ 20,253,561	$ -
15	III	2021	Jul	$ 416,196	$ 19,719,067	$ 2,212,548	$ 22,347,811	$ -
16	III	2021	Aug	$ 431,200	$ 19,805,727	$ 2,181,355	$ 22,418,283	$ -
17	III	2021	Sep	$ 520,313	$ 23,111,545	$ 2,627,021	$ 26,258,879	$ -
18	III	2021	Oct	$ 438,846	$ 19,829,402	$ 2,236,697	$ 22,504,944	$ -
19	III	2021	Nov	$ 385,460	$ 18,084,276	$ 1,945,522	$ 20,415,257	$ -
20	III	2021	Dec	$ 408,809	$ 18,285,063	$ 1,870,428	$ 20,564,301	$ -
21		2022	Jan	$ 456,236	$ 19,285,319	$ 1,996,944	$ 21,738,500	$ -
22		2022	Feb	$ 381,577	$ 17,617,027	$ 1,825,487	$ 19,824,091	$ -
23		2022	Mar	$ 374,833	$ 17,319,272	$ 1,784,735	$ 19,478,840	$ -
24		2022	Apr	$ 352,261	$ 16,761,619	$ 1,841,517	$ 18,955,396	$ -
25		2022	May	$ 363,293	$ 17,267,948	$ 1,861,164	$ 19,492,406	$ -
26		2022	Jun	$ 370,899	$ 17,868,533	$ 1,874,947	$ 20,114,380	$ -
27		2022	Jul	$ 422,086	$ 19,716,251	$ 2,116,627	$ 22,254,964	$ -
28		2022	Aug	$ 440,098	$ 19,929,911	$ 2,218,376	$ 22,588,384	$ -
29		2022	Sep	$ 530,195	$ 23,219,598	$ 2,520,425	$ 26,270,217	$ -
30		2022	Oct	$ 446,153	$ 19,876,095	$ 2,193,091	$ 22,515,339	$ -
31		2022	Nov	$ 392,766	$ 18,167,433	$ 1,965,586	$ 20,525,785	$ -
32		2022	Dec	$ 416,450	$ 18,365,014	$ 1,841,208	$ 20,622,672	$ -
		Total		$ 12,772,551	$ 490,459,752	$ 55,580,261	$ 558,812,564	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 2 - 50% RPS 95

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 17,433,015	$ -	$ 11,121	$ -	$ 3,854	$ -	$ 217,241	$ -
2	I	2020	Jun	$ 19,127,290	$ -	$ 12,045	$ -	$ 3,854	$ -	$ 217,241	$ -
3	I	2020	Jul	$ 20,434,167	$ -	$ 12,930	$ -	$ 3,854	$ -	$ 217,241	$ -
4	I	2020	Aug	$ 21,676,831	$ -	$ 12,447	$ -	$ 3,854	$ -	$ 217,241	$ -
5	I	2020	Sep	$ 23,068,282	$ -	$ 13,987	$ -	$ 3,854	$ -	$ 217,241	$ -
6	I	2020	Oct	$ 20,408,175	$ -	$ 12,297	$ -	$ 3,854	$ -	$ 217,241	$ -
7	II	2020	Nov	$ 22,143,677	$ -	$ 67,384	$ -	$ 7,708	$ -	$ 217,241	$ -
8	II	2020	Dec	$ 21,715,602	$ -	$ 64,336	$ -	$ 7,708	$ -	$ 217,241	$ -
9	II	2021	Jan	$ 21,816,071	$ -	$ 69,166	$ -	$ 7,708	$ -	$ 387,988	$ -
10	II	2021	Feb	$ 21,557,247	$ -	$ 68,023	$ -	$ 7,708	$ -	$ 387,988	$ -
11	II	2021	Mar	$ 20,960,768	$ -	$ 67,980	$ -	$ 7,708	$ -	$ 387,988	$ -
12	II	2021	Apr	$ 21,471,584	$ -	$ 68,116	$ -	$ 7,708	$ -	$ 387,988	$ -
13	III	2021	May	$ 31,849,261	$ -	$ 627,834	$ -	$ 15,417	$ -	$ 387,988	$ -
14	III	2021	Jun	$ 35,829,097	$ -	$ 643,466	$ -	$ 15,417	$ -	$ 387,988	$ -
15	III	2021	Jul	$ 38,279,373	$ -	$ 734,464	$ -	$ 15,417	$ -	$ 387,988	$ -
16	III	2021	Aug	$ 37,739,714	$ -	$ 760,942	$ -	$ 15,417	$ -	$ 387,988	$ -
17	III	2021	Sep	$ 45,450,197	$ -	$ 918,200	$ -	$ 15,417	$ -	$ 387,988	$ -
18	III	2021	Oct	$ 38,697,179	$ -	$ 774,434	$ -	$ 15,417	$ -	$ 387,988	$ -
19	III	2021	Nov	$ 33,659,547	$ -	$ 680,224	$ -	$ 15,417	$ -	$ 387,988	$ -
20	III	2021	Dec	$ 32,360,350	$ -	$ 721,428	$ -	$ 15,417	$ -	$ 387,988	$ -
21		2022	Jan	$ 34,549,212	$ -	$ 789,335	$ -	$ 15,745	$ -	$ 475,146	$ -
22		2022	Feb	$ 31,582,819	$ -	$ 660,168	$ -	$ 15,745	$ -	$ 475,146	$ -
23		2022	Mar	$ 30,877,774	$ -	$ 648,500	$ -	$ 15,745	$ -	$ 475,146	$ -
24		2022	Apr	$ 31,860,147	$ -	$ 609,448	$ -	$ 15,745	$ -	$ 475,146	$ -
25		2022	May	$ 32,200,070	$ -	$ 628,535	$ -	$ 15,745	$ -	$ 475,146	$ -
26		2022	Jun	$ 32,438,535	$ -	$ 641,694	$ -	$ 15,745	$ -	$ 475,146	$ -
27		2022	Jul	$ 36,619,840	$ -	$ 730,252	$ -	$ 15,745	$ -	$ 475,146	$ -
28		2022	Aug	$ 38,380,200	$ -	$ 761,415	$ -	$ 15,745	$ -	$ 475,146	$ -
29		2022	Sep	$ 43,605,962	$ -	$ 917,293	$ -	$ 15,745	$ -	$ 475,146	$ -
30		2022	Oct	$ 37,942,748	$ -	$ 771,891	$ -	$ 15,745	$ -	$ 475,146	$ -
31		2022	Nov	$ 34,006,674	$ -	$ 679,527	$ -	$ 15,745	$ -	$ 475,146	$ -
32		2022	Dec	$ 31,854,806	$ -	$ 720,502	$ -	$ 15,745	$ -	$ 475,146	$ -
		Total		$ 961,596,210	$ -	$ 14,899,383	$ -	$ 381,647	$ -	$ 12,095,541	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 2 - 50% RPS 95

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 28,720,135	$ -	$ 1,128,712	$ -	$ 29,848,847	$ -	$ 29,848,847
2	I	2020	Jun	$ 28,943,962	$ -	$ 981,667	$ -	$ 29,925,629	$ -	$ 29,925,629
3	I	2020	Jul	$ 30,982,758	$ -	$ 1,054,859	$ -	$ 32,037,617	$ -	$ 32,037,617
4	I	2020	Aug	$ 31,976,567	$ -	$ 1,029,974	$ -	$ 33,006,541	$ -	$ 33,006,541
5	I	2020	Sep	$ 34,565,409	$ -	$ 1,149,713	$ -	$ 35,715,122	$ -	$ 35,715,122
6	I	2020	Oct	$ 30,529,868	$ -	$ 1,012,169	$ -	$ 31,542,037	$ -	$ 31,542,037
7	II	2020	Nov	$ 35,409,156	$ -	$ 1,326,548	$ -	$ 36,735,704	$ -	$ 36,735,704
8	II	2020	Dec	$ 32,868,302	$ -	$ 1,115,270	$ -	$ 33,983,572	$ -	$ 33,983,572
9	II	2021	Jan	$ 33,287,122	$ -	$ 1,147,105	$ -	$ 34,434,227	$ -	$ 34,434,227
10	II	2021	Feb	$ 33,062,025	$ -	$ 1,150,478	$ -	$ 34,212,503	$ -	$ 34,212,503
11	II	2021	Mar	$ 32,285,778	$ -	$ 1,132,501	$ -	$ 33,418,279	$ -	$ 33,418,279
12	II	2021	Apr	$ 32,830,825	$ -	$ 1,135,924	$ -	$ 33,966,749	$ -	$ 33,966,749
13	III	2021	May	$ 53,938,942	$ -	$ 2,208,968	$ -	$ 56,147,910	$ -	$ 56,147,910
14	III	2021	Jun	$ 57,129,528	$ -	$ 2,130,043	$ -	$ 59,259,572	$ -	$ 59,259,572
15	III	2021	Jul	$ 61,765,052	$ -	$ 2,348,568	$ -	$ 64,113,620	$ -	$ 64,113,620
16	III	2021	Aug	$ 61,322,343	$ -	$ 2,358,263	$ -	$ 63,680,606	$ -	$ 63,680,606
17	III	2021	Sep	$ 73,030,681	$ -	$ 2,758,048	$ -	$ 75,788,729	$ -	$ 75,788,729
18	III	2021	Oct	$ 62,379,962	$ -	$ 2,368,278	$ -	$ 64,748,240	$ -	$ 64,748,240
19	III	2021	Nov	$ 55,158,433	$ -	$ 2,149,889	$ -	$ 57,308,321	$ -	$ 57,308,321
20	III	2021	Dec	$ 54,049,483	$ -	$ 2,168,913	$ -	$ 56,218,396	$ -	$ 56,218,396
21		2022	Jan	$ 57,567,938	$ -	$ 2,301,873	$ -	$ 59,869,811	$ -	$ 59,869,811
22		2022	Feb	$ 52,557,968	$ -	$ 2,097,515	$ -	$ 54,655,483	$ -	$ 54,655,483
23		2022	Mar	$ 51,496,005	$ -	$ 2,061,823	$ -	$ 53,557,828	$ -	$ 53,557,828
24		2022	Apr	$ 51,915,883	$ -	$ 2,005,574	$ -	$ 53,921,457	$ -	$ 53,921,457
25		2022	May	$ 52,811,901	$ -	$ 2,061,183	$ -	$ 54,873,085	$ -	$ 54,873,085
26		2022	Jun	$ 53,685,499	$ -	$ 2,124,696	$ -	$ 55,810,196	$ -	$ 55,810,196
27		2022	Jul	$ 60,095,947	$ -	$ 2,347,611	$ -	$ 62,443,558	$ -	$ 62,443,558
28		2022	Aug	$ 62,220,891	$ -	$ 2,384,069	$ -	$ 64,604,960	$ -	$ 64,604,960
29		2022	Sep	$ 71,284,363	$ -	$ 2,767,840	$ -	$ 74,052,203	$ -	$ 74,052,203
30		2022	Oct	$ 61,720,870	$ -	$ 2,377,812	$ -	$ 64,098,682	$ -	$ 64,098,682
31		2022	Nov	$ 55,702,877	$ -	$ 2,169,620	$ -	$ 57,872,497	$ -	$ 57,872,497
32		2022	Dec	$ 53,688,871	$ -	$ 2,183,407	$ -	$ 55,872,278	$ -	$ 55,872,278
		Total		$ 1,548,985,344	$ -	$ 58,738,913	$ -	$ 1,607,724,258	$ -	$ 1,607,724,258

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 2 - 50% RPS 95

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 338,902,986	$ -	$ 309,054,140	$ 309,054,140
2	I	2020	Jun	$ -	$ -	$ (29,925,629)	279,128,511
3	I	2020	Jul	$ -	$ 27,050,439	$ (4,987,178)	274,141,333
4	I	2020	Aug	$ -	$ 27,050,439	$ (5,956,102)	268,185,231
5	I	2020	Sep	$ -	$ 27,050,439	$ (8,664,683)	259,520,548
6	I	2020	Oct	$ -	$ 27,050,439	$ (4,491,598)	255,028,950
7	II	2020	Nov	$ -	$ 27,050,439	$ (9,685,265)	245,343,684
8	II	2020	Dec	$ -	$ 27,050,439	$ (6,933,133)	238,410,551
9	II	2021	Jan	$ -	$ 27,050,439	$ (7,383,788)	231,026,763
10	II	2021	Feb	$ -	$ 27,050,439	$ (7,162,064)	223,864,699
11	II	2021	Mar	$ -	$ 54,257,270	$ 20,838,991	244,703,690
12	II	2021	Apr	$ -	$ 54,257,270	$ 20,290,521	264,994,210
13	III	2021	May	$ -	$ 54,257,270	$ (1,890,640)	263,103,570
14	III	2021	Jun	$ -	$ 54,257,270	$ (5,002,301)	258,101,269
15	III	2021	Jul	$ -	$ 54,257,270	$ (9,856,350)	248,244,919
16	III	2021	Aug	$ -	$ 54,257,270	$ (9,423,336)	238,821,583
17	III	2021	Sep	$ -	$ 54,257,270	$ (21,531,459)	217,290,123
18	III	2021	Oct	$ -	$ 54,257,270	$ (10,490,970)	206,799,153
19	III	2021	Nov	$ -	$ 54,257,270	$ (3,051,051)	203,748,102
20	III	2021	Dec	$ -	$ 54,257,270	$ (1,961,126)	201,786,976
21		2022	Jan	$ -	$ 54,257,270	$ (5,612,541)	196,174,435
22		2022	Feb	$ -	$ 54,257,270	$ (398,213)	195,776,222
23		2022	Mar	$ -	$ 64,461,352	$ 10,903,524	206,679,747
24		2022	Apr	$ -	$ 64,461,352	$ 10,539,896	217,219,642
25		2022	May	$ -	$ 64,461,352	$ 9,588,268	226,807,910
26		2022	Jun	$ -	$ 64,461,352	$ 8,651,156	235,459,066
27		2022	Jul	$ -	$ 64,461,352	$ 2,017,795	237,476,861
28		2022	Aug	$ -	$ 64,461,352	$ (143,608)	237,333,253
29		2022	Sep	$ -	$ 64,461,352	$ (9,590,851)	227,742,403
30		2022	Oct	$ -	$ 64,461,352	$ 362,670	228,105,073
31		2022	Nov	$ -	$ 64,461,352	$ 6,588,855	234,693,928
32		2022	Dec	$ -	$ 64,461,352	$ 8,589,075	243,283,003
		Total		$ 338,902,986	$ 1,512,104,274	$ 243,283,003	$ 7,618,049,549

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

270,464,415	Operating Costs, Average 5 Months for First Two Full Years
68,438,572	Average Annual Rate Stabilization Funding for First Two Full Years
338,902,986	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										338,902,986	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 338,902,986	$ 12,249,697	$ 24,504,692	$ 32,665,859	$ 408,323,234	$ 16,332,929	$ 16,332,929	$ 24,504,692	$ 24,504,692
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 16,332,929**	**$ 16,332,929**	**$ 24,504,692**	**$ 24,504,692**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 24,504,692	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692	$ 24,504,692
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 24,504,692	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**	**$ 24,504,692**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Scenario 2 - 50% RPS 95% CI

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,035	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,912	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	87,410	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,666	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	122,387																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 2 - 50% RPS 95% CI**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

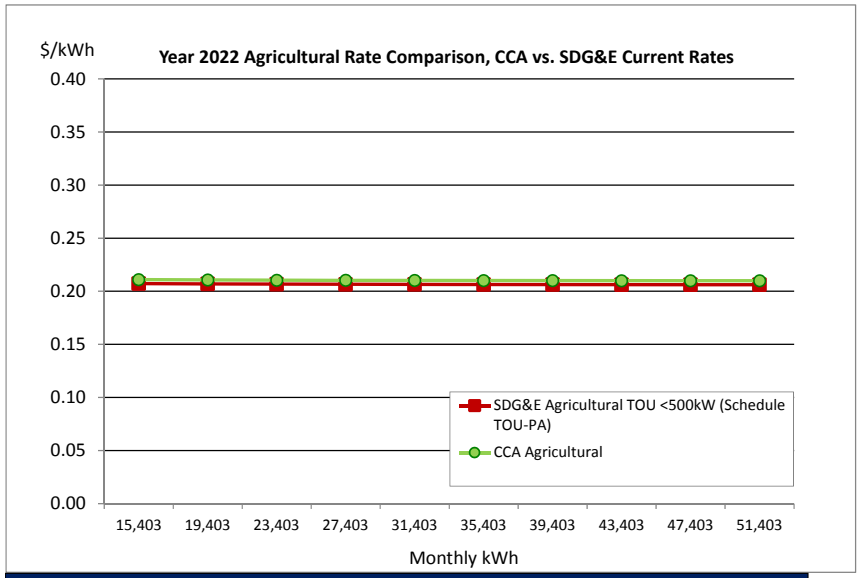
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.89	-	-	-	-	(4.26)	(261.89)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.2763	2,050.87	0.0891	0.1700	0.2591	1,923.55	(0.0172)	(127.32)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.2370	2,261.58	0.0891	0.1700	0.2591	2,473.14	0.0222	211.55
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.1951	3,611.21	0.0891	0.1700	0.2591	4,796.38	0.0640	1,185.17
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	447.02	0.0891	0.0560	0.1451	350.61	(0.0399)	(96.41)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.1722	1,802.19	0.0891	0.0560	0.1451	1,519.29	(0.0270)	(282.90)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.1543	2,228.46	0.0891	0.0560	0.1451	2,096.33	(0.0091)	(132.12)
Average Monthly Bill ($)						6,708.97				6,941.58		232.61
											Percentage Change	**3.5%**

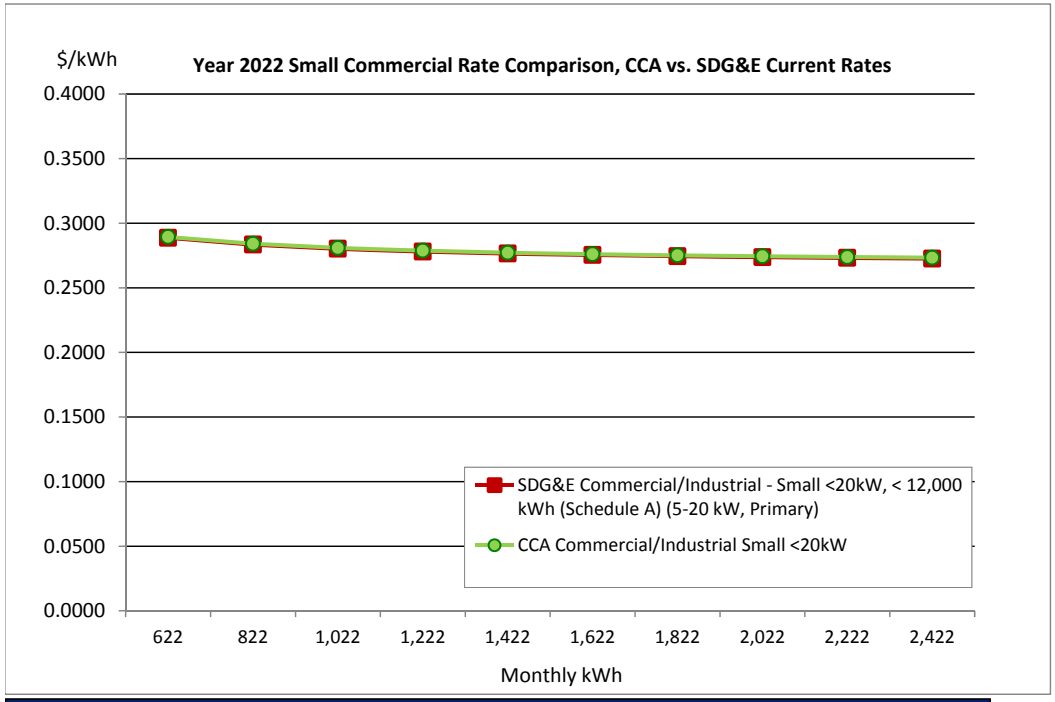


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.1800	0.3158	466.21	0.0111	16.43
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0801	0.2159	295.27	(0.0106)	(14.49)
Average Monthly Bill ($)						395.89				397.45		1.56
											Percentage Change	**0.4%**

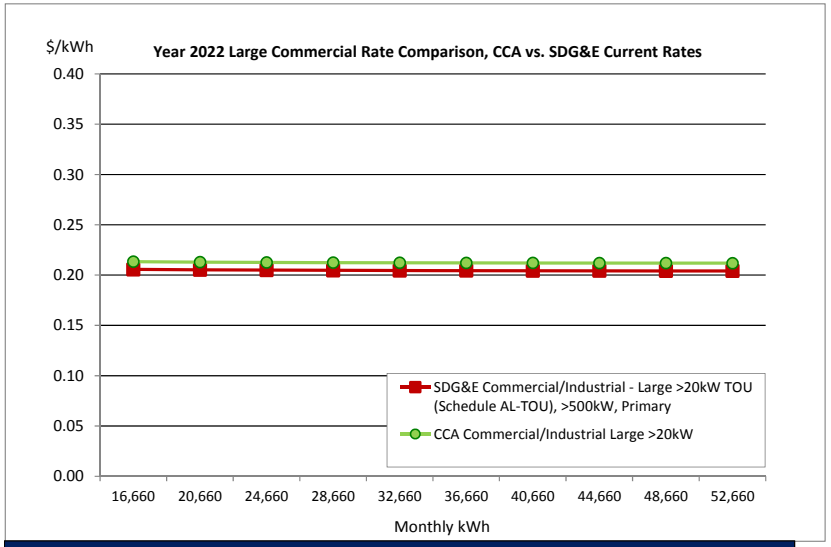


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.85	11.50	-	11.50	735.11	(12.54)	(801.74)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,107.01	0.0034	0.1900	0.1934	1,389.99	0.0394	282.98
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.26	0.0034	0.1900	0.1934	1,787.13	0.0512	472.87
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.30	0.0034	0.1900	0.1934	3,465.94	0.0887	1,589.65
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0716	0.0750	205.30	(0.0646)	(176.81)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.55	0.0034	0.0716	0.0750	889.65	(0.0457)	(541.90)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.08	0.0034	0.0716	0.0750	1,227.54	(0.0196)	(321.54)
Average Monthly Bill ($)						6,706.05				7,045.40		339.35
											Percentage Change	**5.1%**

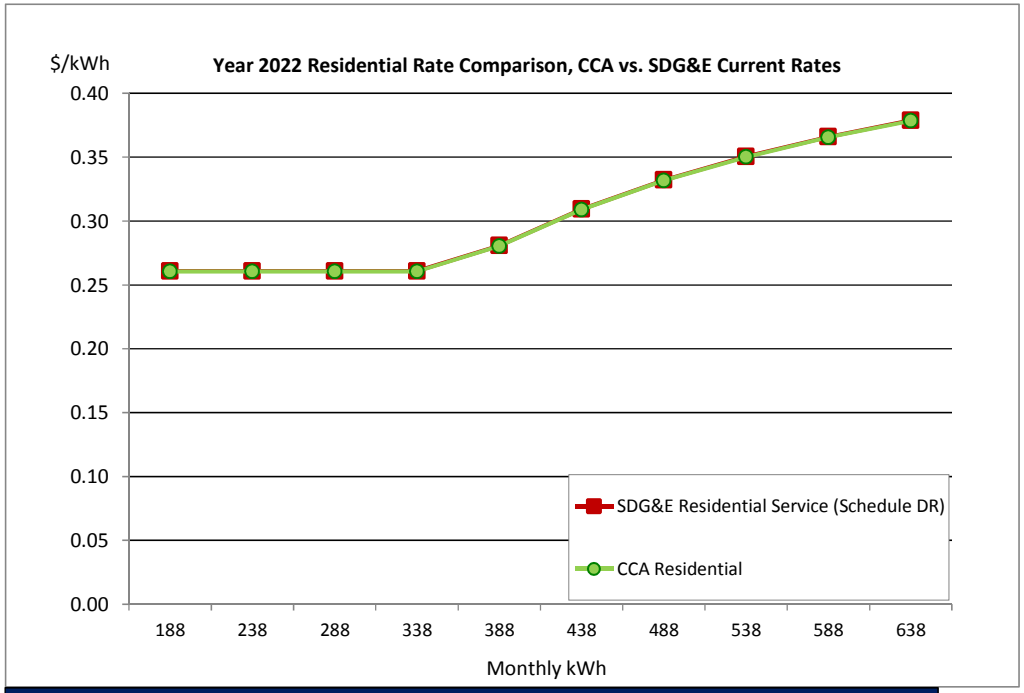


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2100	0.2865	102.81	0.0136	4.87
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.87	0.3570	0.2100	0.5670	25.48	0.0136	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0883	0.2323	83.82	(0.0155)	(5.59)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0883	0.4915	5.98	(0.0155)	(0.19)
Average Monthly Bill ($)						109.73				109.81		0.08
											Percentage Change	**0.1%**

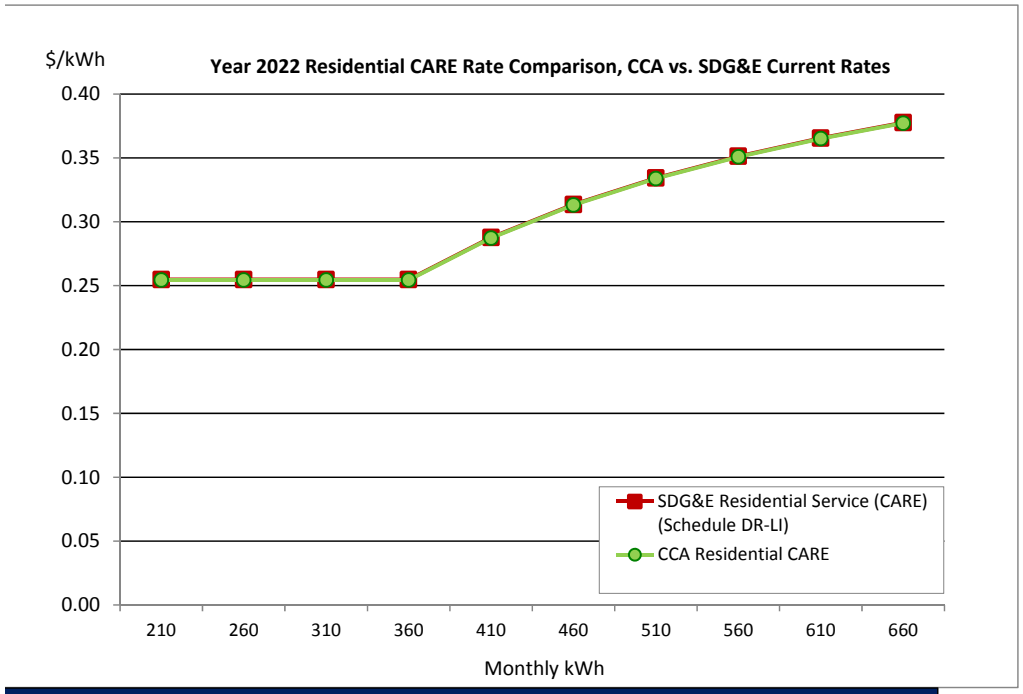


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2000	0.2759	99.01	0.0091	3.25
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.72	0.3564	0.2000	0.5564	37.33	0.0091	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0877	0.2311	83.39	(0.0106)	(3.82)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.34	0.4026	0.0877	0.4903	16.00	(0.0106)	(0.35)
Average Monthly Bill ($)						118.59				118.59		0.01
											Percentage Change	**0.0%**

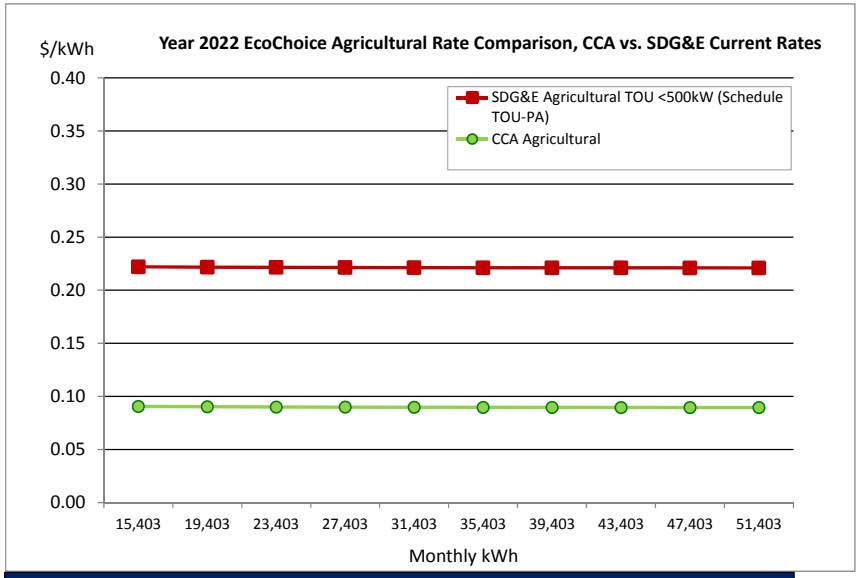


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.58	-	-	-	-	(4.0288)	(247.58)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.22	0.0891	-	0.0891	661.62	(0.2024)	(1,502.60)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.32	0.0891	-	0.0891	850.65	(0.1631)	(1,556.67)
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.86	0.0891	-	0.0891	1,649.75	(0.1212)	(2,244.11)
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.91	0.0891	-	0.0891	215.32	(0.1112)	(268.59)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,962.05	0.0891	-	0.0891	933.05	(0.0983)	(1,028.99)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,449.03	0.0891	-	0.0891	1,287.44	(0.0804)	(1,161.59)
Average Monthly Bill ($)							7,182.25				2,868.90		(4,313.35)
												Percentage Change	**-60.1%**

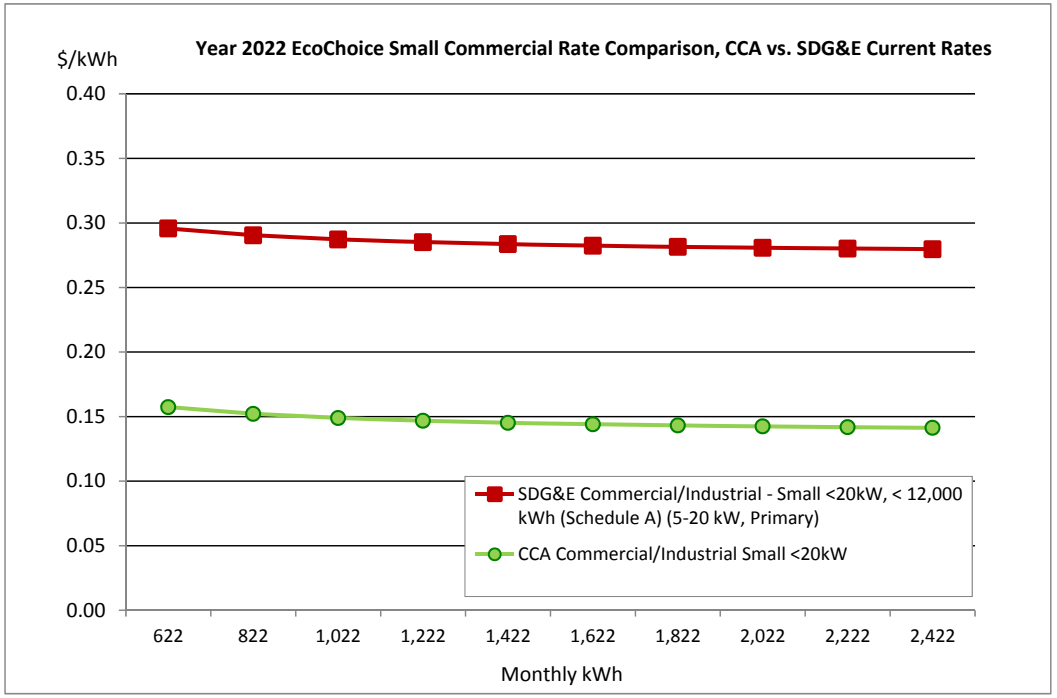


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	-	0.1358	200.47	(0.1759)	(259.73)
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	-	0.1358	185.72	(0.0978)	(133.70)
Average Monthly Bill ($)							405.94				206.82		(199.12)
											Percentage Change		**-49.1%**

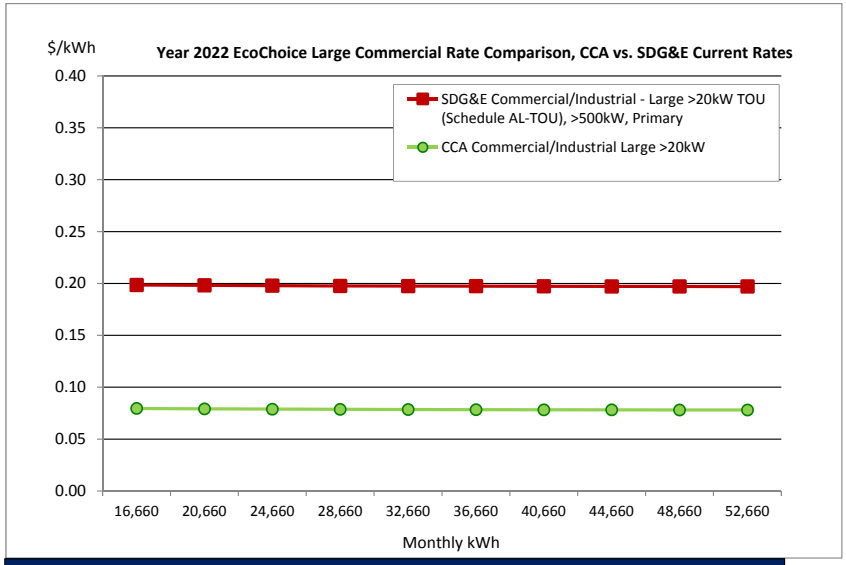


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.19	11.50	-	11.50	735.11	(13.27)	(848.08)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.37	0.0034	-	0.0034	24.37	(0.1427)	(1,026.00)
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.44	0.0034	-	0.0034	31.34	(0.1309)	(1,210.11)
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.07	0.0034	-	0.0034	60.77	(0.0934)	(1,674.30)
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	-	0.0034	9.28	(0.1283)	(351.26)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.07	0.0034	-	0.0034	40.23	(0.1094)	(1,297.84)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.09	0.0034	-	0.0034	55.51	(0.0834)	(1,364.58)
Average Monthly Bill ($)							6,471.17				2,561.89		(3,909.28)
												Percentage Change	**-60.4%**

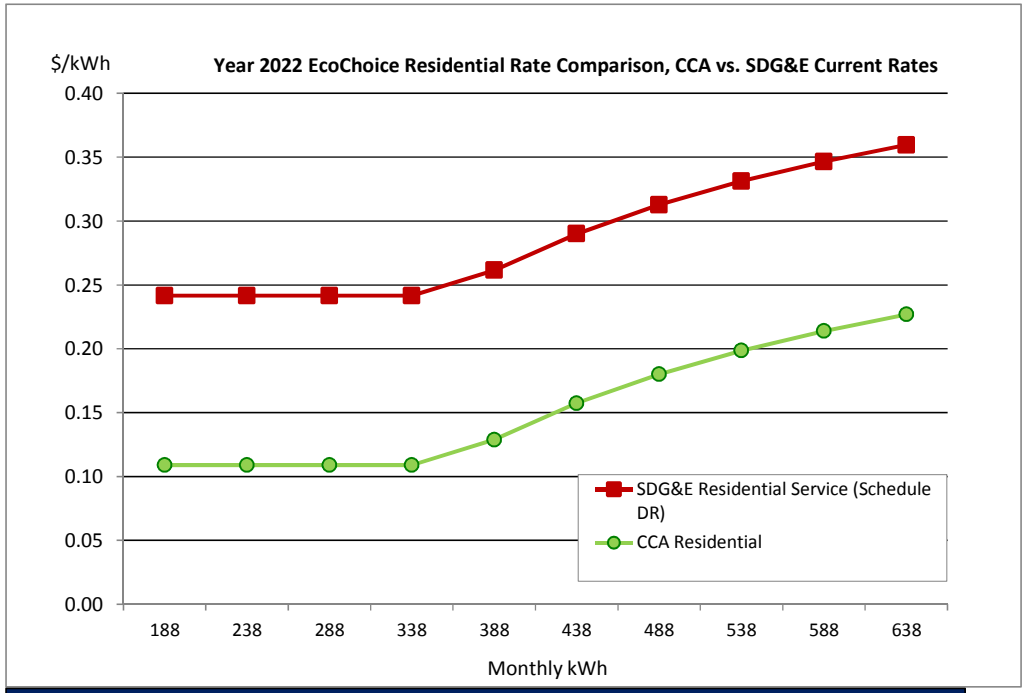


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	-	0.0765	27.46	(0.1771)	(63.54)
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	-	0.3570	16.05	(0.1771)	(7.96)
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	-	0.1440	51.96	(0.0845)	(30.47)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	-	0.4032	4.91	(0.0845)	(1.03)
Average Monthly Bill ($)							102.22				49.92		(52.29)
												Percentage Change	**-51.2%**

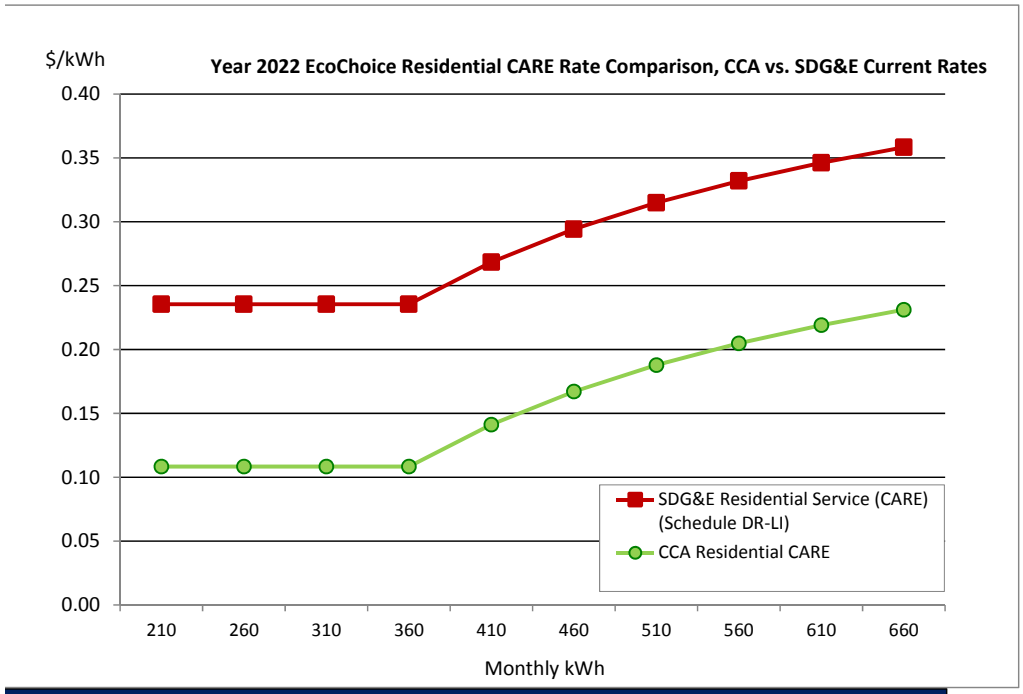


Scenario 2 - 50% RPS 95% CI

Scenario: Scenario 2 - 50% RPS 95% CI

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	-	0.0759	27.25	(0.1716)	(61.57)
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	-	0.3564	23.91	(0.1716)	(11.51)
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	-	0.1434	51.75	(0.0790)	(28.49)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.71	0.4026	-	0.4026	13.14	(0.0790)	(2.58)
Average Monthly Bill ($)							110.66				57.75		(52.91)
												Percentage Change	**-47.8%**



Scenario 2 - 50% RPS 95% CI

PRO FORMA OUTPUTS

SCENARIO 3

80% RPS 95% CI

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	8,271,251
4	Total Non-Operating Expenses		27,675,454
5	Power Costs		771,828,496
6	Contingency/Rate Stabilization Fund		82,428,178
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**890,203,378**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	-
10	Total Non-Operating Expenses		-
11	Power Costs		-
12	Contingency/Rate Stabilization Fund		-
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**-**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**890,203,378**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,400
3	Outdoor Lighting Small <20kW	330	23,847	6,028
4	Commercial/Industrial Small <20kW	38,919	664,103	1,422
5	Commercial/Industrial Large >20kW	7,416	2,906,334	32,660
6	Residential	339,438	1,581,893	388
7	Residential CARE	88,019	432,702	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**475,207**	**5,666,311**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	-	-	-
14	Commercial/Industrial Large >20kW	-	-	-
15	Residential	-	-	-
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**-**	**-**	**-**
19	**TOTAL CCA**	**475,207**	**5,666,311**	**-**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		0%	0.00%
23	Commercial/Industrial Large >20kW		0%	0.00%
24	Residential		0%	0.00%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**0%**	**0.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1900	0.0711	-	-
2	Outdoor Lighting Small <20kW	0.1600	0.0794	-	-
3	Commercial/Industrial Small <20kW	0.2100	0.0849	-	-
4	Commercial/Industrial Large >20kW	0.2100	0.0871	-	-
5	Residential	0.2400	0.0930	-	-
6	Residential CARE	0.2300	0.0924	-	-
7	Residential Outdoor Lighting	0.1600	0.0737	-	-

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Estimated Revenue by Rate Class

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Scenario 3 - 80% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,237	55,830	55,733	55,665	55,697
2	Outdoor Lighting Small <20kW	15,225	23,901	23,860	23,824	23,858
3	Commercial/Industrial Small <20kW	102,961	665,532	664,441	663,614	664,254
4	Commercial/Industrial Large >20kW	2,005,848	2,912,674	2,907,877	2,904,258	2,906,867
5	Residential	-	1,085,329	1,582,772	1,580,756	1,582,151
6	Residential CARE	-	296,874	432,942	432,390	432,772
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,164,271	5,041,312	5,669,360	5,662,239	5,667,334
	Scenario 3 - 80% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-
13	Residential	-	-	-	-	-
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	-	-	-	-	-
17	**Total MWh**	**2,164,271**	**5,041,312**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 5,563,296	$ 7,719,250	$ 7,705,760	$ 7,696,355	$ 7,700,823
20	Outdoor Lighting Small <20kW	1,771,176	2,780,490	2,775,801	2,771,583	2,775,537
21	Commercial/Industrial Small <20kW	15,427,614	99,722,886	99,559,407	99,435,388	99,531,393
22	Commercial/Industrial Large >20kW	304,346,871	441,939,427	441,211,450	440,662,408	441,058,310
23	Residential	-	183,868,316	268,141,330	267,799,713	268,036,112
24	Residential CARE	-	48,665,515	70,970,552	70,880,134	70,942,703
25	Residential Outdoor Lighting	-	136,154	201,725	201,469	201,702
26	Total	327,108,956	784,832,037	890,566,024	889,447,051	890,246,581
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-
31	Residential	-	-	-	-	-
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 327,108,956**	**$ 784,832,037**	**$ 890,566,024**	**$ 889,447,051**	**$ 890,246,581**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 245,331,717**	**$ 735,803,937**	**$ 872,943,693**	**$ 889,633,547**	**$ 890,113,326**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Scenario 3 - 80% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,430	55,401	55,356	55,428	55,247	55,251
2	Outdoor Lighting Small <20kW	23,727	23,721	23,701	23,747	23,657	23,658
3	Commercial/Industrial Small <20kW	660,825	660,451	659,927	661,052	658,752	658,782
4	Commercial/Industrial Large >20kW	2,892,059	2,890,441	2,888,188	2,892,923	2,882,969	2,883,119
5	Residential	1,574,271	1,573,321	1,572,106	1,574,586	1,569,399	1,569,539
6	Residential CARE	430,617	430,357	430,025	430,703	429,284	429,322
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
	Scenario 3 - 80% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-	-
13	Residential	-	-	-	-	-	-
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	-	-	-	-	-	-
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,663,891	$ 7,659,829	$ 7,653,651	$ 7,663,581	$ 7,638,604	$ 7,639,110
20	Outdoor Lighting Small <20kW	2,760,335	2,759,574	2,757,287	2,762,582	2,752,141	2,752,235
21	Commercial/Industrial Small <20kW	99,017,530	98,961,496	98,883,022	99,051,623	98,706,904	98,711,507
22	Commercial/Industrial Large >20kW	438,811,498	438,565,981	438,224,102	438,942,545	437,432,175	437,455,053
23	Residential	266,701,167	266,540,274	266,334,424	266,754,543	265,875,743	265,899,532
24	Residential CARE	70,589,376	70,546,791	70,492,308	70,603,503	70,370,906	70,377,202
25	Residential Outdoor Lighting	200,611	200,506	200,356	200,746	199,991	199,993
26	Total	885,744,408	885,234,452	884,545,150	885,979,122	882,976,465	883,034,633
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-	-
31	Residential	-	-	-	-	-	-
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 885,744,408**	**$ 885,234,452**	**$ 884,545,150**	**$ 885,979,122**	**$ 882,976,465**	**$ 883,034,633**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 886,494,770**	**$ 885,319,445**	**$ 884,660,034**	**$ 885,740,127**	**$ 883,476,908**	**$ 883,024,939**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Scenario 3 - 80% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,235	55,413	55,360	55,416	55,435
2	Outdoor Lighting Small <20kW	23,650	23,744	23,705	23,728	23,733
3	Commercial/Industrial Small <20kW	658,573	660,851	660,069	660,702	660,974
4	Commercial/Industrial Large >20kW	2,882,247	2,892,059	2,888,846	2,891,605	2,892,729
5	Residential	1,569,032	1,574,214	1,572,670	1,574,134	1,574,678
6	Residential CARE	429,184	430,601	430,179	430,579	430,728
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
	Scenario 3 - 80% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-
13	Residential	-	-	-	-	-
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	-	-	-	-	-
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,636,942	$ 7,661,504	$ 7,654,261	$ 7,661,919	$ 7,664,622
20	Outdoor Lighting Small <20kW	2,751,363	2,762,281	2,757,701	2,760,449	2,760,998
21	Commercial/Industrial Small <20kW	98,680,177	99,021,450	98,904,270	98,999,080	99,039,871
22	Commercial/Industrial Large >20kW	437,322,616	438,811,428	438,323,974	438,742,519	438,913,139
23	Residential	265,813,559	266,691,424	266,429,972	266,677,877	266,770,156
24	Residential CARE	70,354,447	70,586,797	70,517,597	70,583,211	70,607,636
25	Residential Outdoor Lighting	199,946	200,684	200,398	200,584	200,676
26	Total	882,759,051	885,735,568	884,788,173	885,625,638	885,957,099
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-
31	Residential	-	-	-	-	-
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 882,759,051**	**$ 885,735,568**	**$ 884,788,173**	**$ 885,625,638**	**$ 885,957,099**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 882,804,981**	**$ 885,239,482**	**$ 884,946,072**	**$ 885,486,060**	**$ 885,901,856**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 245,331,717	$ 735,803,937	$ 872,943,693	$ 889,633,547	$ 890,113,326	$ 886,494,770	$ 885,319,445	$ 884,660,034
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 245,331,717	$ 735,803,937	$ 872,943,693	$ 889,633,547	$ 890,113,326	$ 886,494,770	$ 885,319,445	$ 884,660,034
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		197,480,695	454,850,942	496,821,607	501,747,321	496,311,863	497,725,034	484,083,235	484,016,596
7	SDG&E Service Charges		2,940,233	4,885,741	4,946,779	5,039,300	5,144,663	5,221,328	5,322,563	5,424,812
8	SDG&E CRS Charges		72,545,875	192,504,457	225,394,125	231,388,227	236,626,320	233,469,856	232,252,294	232,437,584
9	SDG&E Power Franchise Charges		11,414,384	26,290,384	28,716,289	29,000,995	28,686,826	28,768,507	27,980,011	27,976,159
10	ESP Charges		206,444	6,134,806	8,558,441	8,547,560	8,555,173	8,512,411	8,507,311	8,500,726
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,472	552,418	729,311	735,658	743,534	749,737	758,647	767,659
15	Uncollectable Accounts		461,224	1,383,311	1,641,134	1,672,511	1,673,413	1,666,610	1,664,401	1,663,161
16	**Total Operating Expenses**		$ 287,725,319	$ 691,159,695	$ 772,530,773	$ 784,002,702	$ 783,765,764	$ 782,295,707	$ 766,914,107	$ 767,300,565
17	Contingency/Rate Stabilization Fund		30,523,527	73,148,981	81,658,229	82,849,096	82,777,208	82,642,733	80,983,615	81,021,670
18	**Total Operating Expenses & Contin/Rate Stab**		$ 318,248,846	$ 764,308,676	$ 854,189,001	$ 866,851,799	$ 866,542,972	$ 864,938,439	$ 847,897,722	$ 848,322,235
19	**Net Operating Revenues**		$ (72,917,129)	$ (28,504,740)	$ 18,754,692	$ 22,781,748	$ 23,570,354	$ 21,556,331	$ 37,421,723	$ 36,337,799
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,291,172	3,340,193	3,094,487	3,056,660	3,042,082	3,021,231	3,069,880	3,192,801
22	Total Non-Operating Revenues (Expenses)		$ 1,991,172	$ 3,340,193	$ 3,094,487	$ 3,056,660	$ 2,951,866	$ 3,021,231	$ 3,069,880	$ 3,168,536
23	**Net Operating Income**		$ (70,925,958)	$ (25,164,547)	$ 21,849,178	$ 25,838,407	$ 26,522,220	$ 24,577,563	$ 40,491,603	$ 39,506,335
	Debt Service	[3]								
24	Borrowing 1		$ 18,426,270	$ 18,426,270	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 18,426,270	$ 18,426,270	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
29	**Debt Service Coverage (Target=1.25)**		(3.85)	(1.37)	0.79	0.93	0.96	0.89	1.46	1.43
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (89,352,227)	$ (43,590,816)	$ (5,796,203)	$ (1,806,974)	$ (1,123,162)	$ (3,067,819)	$ 12,846,221	$ 11,860,953
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (89,352,227)	$ (43,590,816)	$ (5,796,203)	$ (1,806,974)	$ (1,123,162)	$ (3,067,819)	$ 12,846,221	$ 11,860,953

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 311,413,162	$ 286,248,615	$ 280,452,412	$ 278,645,437	$ 277,522,276	$ 274,454,457	$ 287,300,678
35	Deposit/(Withdrawal) from Operations	$ (89,352,227)	$ (43,590,816)	$ (5,796,203)	$ (1,806,974)	$ (1,123,162)	$ (3,067,819)	$ 12,846,221	$ 11,860,953
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 446,837,040	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (27,645,382)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (36,852,539)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	18,426,270	18,426,270	-	-	-	-	-	-
41	Ending Year Balance	$ 311,413,162	$ 286,248,615	$ 280,452,412	$ 278,645,437	$ 277,522,276	$ 274,454,457	$ 287,300,678	$ 299,161,631
42	Targeted Working Capital Balance	$ 110,331,096	$ 268,152,804	$ 301,573,366	$ 306,443,542	$ 307,195,376	$ 306,244,567	$ 300,839,317	$ 301,040,548
43	Surplus/(Deficiency)	$ 201,082,065	$ 18,095,811	$ (21,120,955)	$ (27,798,104)	$ (29,673,100)	$ (31,790,110)	$ (13,538,639)	$ (1,878,917)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	2%	-2%	-3%	-3%	-4%	-2%	0%
45	% Surplus/(Deficiency) to Target	182%	7%	-7%	-9%	-10%	-10%	-5%	-1%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 311,413,162	$ 286,248,615	$ 280,452,412	$ 278,645,437	$ 277,522,276	$ 274,454,457	$ 287,300,678
47	Total Operating Revenues	245,331,717	735,803,937	872,943,693	889,633,547	890,113,326	886,494,770	885,319,445	884,660,034
48	Total Operating Expenses	(287,725,319)	(691,159,695)	(772,530,773)	(784,002,702)	(783,765,764)	(782,295,707)	(766,914,107)	(767,300,565)
49	Contingency/Rate Stabilization Fund	(30,523,527)	(73,148,981)	(81,658,229)	(82,849,096)	(82,777,208)	(82,642,733)	(80,983,615)	(81,021,670)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	382,339,119	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	18,426,270	18,426,270	-	-	-	-	-	-
54	Total Debt Service	(18,426,270)	(18,426,270)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)
55	Total Funds	$ 309,121,990	$ 282,908,422	$ 277,357,925	$ 275,588,778	$ 274,480,194	$ 271,433,225	$ 284,230,798	$ 295,968,830
56	Average Annual Balance	$ 206,081,327	$ 297,160,792	$ 281,803,270	$ 278,020,595	$ 276,562,816	$ 274,477,751	$ 279,342,627	$ 291,634,754
57	Annual Interest Earnings, All Funds	$ 2,291,172	$ 3,340,193	$ 3,094,487	$ 3,056,660	$ 3,042,082	$ 3,021,231	$ 3,069,880	$ 3,192,801
	Year Ending Balance, with Interest	$ 311,413,162	$ 286,248,615	$ 280,452,412	$ 278,645,437	$ 277,522,276	$ 274,454,457	$ 287,300,678	$ 299,161,631
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
59	Deposit from Bond Proceeds	$ 27,645,382	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
62	Average Annual Balance	$ 13,822,691	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
63	Annual Interest Earnings, to Operating Fund	$ 138,227	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 18,426,270	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 36,852,539	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (18,426,270)	$ (18,426,270)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 18,426,270	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 9,213,135	$ 9,213,135	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 92,131	$ 92,131	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 885,740,127	$ 883,476,908	$ 883,024,939	$ 882,804,981	$ 885,239,482	$ 884,946,072	$ 885,486,060	$ 885,901,856
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 885,740,127	$ 883,476,908	$ 883,024,939	$ 882,804,981	$ 885,239,482	$ 884,946,072	$ 885,486,060	$ 885,901,856
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		488,942,883	485,454,101	483,702,338	473,456,707	472,032,653	478,586,757	467,216,982	468,145,369
7	SDG&E Service Charges		5,542,105	5,634,218	5,747,391	5,860,450	5,997,493	6,111,323	6,239,367	6,366,396
8	SDG&E CRS Charges		234,774,147	236,124,842	237,652,252	238,819,732	240,623,624	241,437,536	242,828,062	244,337,683
9	SDG&E Power Franchise Charges		28,260,899	28,059,247	27,957,995	27,365,798	27,283,487	27,662,315	27,005,142	27,058,802
10	ESP Charges		8,514,239	8,486,030	8,486,753	8,484,018	8,512,168	8,503,653	8,511,589	8,514,587
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,062	786,673	797,160	807,858	820,194	830,870	842,495	853,953
15	Uncollectable Accounts		1,665,191	1,660,937	1,660,087	1,659,673	1,664,250	1,663,699	1,664,714	1,665,495
16	**Total Operating Expenses**		$ 775,164,683	$ 773,071,840	$ 773,053,763	$ 763,693,601	$ 764,368,162	$ 772,431,207	$ 762,149,934	$ 764,996,389
17	Contingency/Rate Stabilization Fund		81,851,762	81,611,544	81,594,204	80,567,343	80,622,172	81,486,590	80,357,651	80,650,528
18	**Total Operating Expenses & Contin/Rate Stab**		$ 857,016,445	$ 854,683,383	$ 854,647,966	$ 844,260,944	$ 844,990,334	$ 853,917,797	$ 842,507,585	$ 845,646,917
19	**Net Operating Revenues**		$ 28,723,682	$ 28,793,524	$ 28,376,972	$ 38,544,037	$ 40,249,148	$ 31,028,275	$ 42,978,476	$ 40,254,939
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		3,272,921	3,316,241	3,357,583	3,448,091	3,599,575	3,714,996	3,845,579	4,023,601
22	Total Non-Operating Revenues (Expenses)		$ 3,164,696	$ 3,316,241	$ 3,113,744	$ 3,448,091	$ 3,497,948	$ 3,714,996	$ 3,816,139	$ 4,023,601
23	**Net Operating Income**		$ 31,888,378	$ 32,109,765	$ 31,490,716	$ 41,992,127	$ 43,747,096	$ 34,743,272	$ 46,794,615	$ 44,278,540
	Debt Service	[3]								
24	Borrowing 1		$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
29	**Debt Service Coverage (Target=1.25)**		1.15	1.16	1.14	1.52	1.58	1.26	1.69	1.60
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 4,242,997	$ 4,464,383	$ 3,845,334	$ 14,346,746	$ 16,101,714	$ 7,097,890	$ 19,149,233	$ 16,633,158
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 4,242,997	$ 4,464,383	$ 3,845,334	$ 14,346,746	$ 16,101,714	$ 7,097,890	$ 19,149,233	$ 16,633,158

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 299,161,631	$ 303,404,628	$ 307,869,011	$ 311,714,345	$ 326,061,091	$ 342,162,805	$ 349,260,695	$ 368,409,928
35	Deposit/(Withdrawal) from Operations	$ 4,242,997	$ 4,464,383	$ 3,845,334	$ 14,346,746	$ 16,101,714	$ 7,097,890	$ 19,149,233	$ 16,633,158
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 303,404,628	$ 307,869,011	$ 311,714,345	$ 326,061,091	$ 342,162,805	$ 349,260,695	$ 368,409,928	$ 385,043,086
42	Targeted Working Capital Balance	$ 304,131,438	$ 303,656,919	$ 303,927,966	$ 300,949,426	$ 301,509,674	$ 304,438,511	$ 301,185,381	$ 302,440,740
43	Surplus/(Deficiency)	$ (726,810)	$ 4,212,092	$ 7,786,379	$ 25,111,665	$ 40,653,131	$ 44,822,184	$ 67,224,547	$ 82,602,346
44	Ratio of Surplus/(Deficiency) to Revenues	0%	0%	1%	3%	5%	5%	8%	9%
45	% Surplus/(Deficiency) to Target	0%	1%	3%	8%	13%	15%	22%	27%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 299,161,631	$ 303,404,628	$ 307,869,011	$ 311,714,345	$ 326,061,091	$ 342,162,805	$ 349,260,695	$ 368,409,928
47	Total Operating Revenues	885,740,127	883,476,908	883,024,939	882,804,981	885,239,482	884,946,072	885,486,060	885,901,856
48	Total Operating Expenses	(775,164,683)	(773,071,840)	(773,053,763)	(763,693,601)	(764,368,162)	(772,431,207)	(762,149,934)	(764,996,389)
49	Contingency/Rate Stabilization Fund	(81,851,762)	(81,611,544)	(81,594,204)	(80,567,343)	(80,622,172)	(81,486,590)	(80,357,651)	(80,650,528)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)	(27,645,382)
55	Total Funds	$ 300,131,707	$ 304,552,770	$ 308,356,763	$ 322,613,000	$ 338,563,229	$ 345,545,699	$ 364,564,349	$ 381,019,485
56	Average Annual Balance	$ 299,646,669	$ 303,978,699	$ 308,112,887	$ 317,163,673	$ 332,312,160	$ 343,854,252	$ 356,912,522	$ 374,714,707
57	Annual Interest Earnings, All Funds	$ 3,272,921	$ 3,316,241	$ 3,357,583	$ 3,448,091	$ 3,599,575	$ 3,714,996	$ 3,845,579	$ 4,023,601
	Year Ending Balance, with Interest	$ 303,404,628	$ 307,869,011	$ 311,714,345	$ 326,061,091	$ 342,162,805	$ 349,260,695	$ 368,409,928	$ 385,043,086
	Bond Reserve Fund								
58	Beginning Year Balance	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
62	Average Annual Balance	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
63	Annual Interest Earnings, to Operating Fund	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454	$ 276,454
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,164,271	5,041,312	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,469	340,823	475,469	474,864	475,287
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	197,480,695	454,850,942	496,821,607	501,747,321	496,311,863
5	SDG&E Service Charges	2,940,233	4,885,741	4,946,779	5,039,300	5,144,663
6	SDG&E CRS Charges	72,545,875	192,504,457	225,394,125	231,388,227	236,626,320
7	SDG&E Power Franchise Charges	11,414,384	26,290,384	28,716,289	29,000,995	28,686,826
8	ESP Charges	206,444	6,134,806	8,558,441	8,547,560	8,555,173
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,472	552,418	729,311	735,658	743,534
13	Uncollectable Accounts	$ 461,224	$ 1,383,311	$ 1,641,134	$ 1,672,511	$ 1,673,413
14	**Total Operating Expenses**	$ 287,725,319	$ 691,159,695	$ 772,530,773	$ 784,002,702	$ 783,765,764
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	18,426,270	18,426,270	27,645,382	27,645,382	27,645,382
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 18,726,270	$ 18,426,270	$ 27,645,382	$ 27,645,382	$ 27,735,598
19	**Total Operating & Non-Operating Expenses**	**$ 306,451,588**	**$ 709,585,965**	**$ 800,176,154**	**$ 811,648,084**	**$ 811,501,361**
20	Contingency/Rate Stabilization Fund	$ 30,523,527	$ 73,148,981	$ 81,658,229	$ 82,849,096	$ 82,777,208
21	**Total Expenses Incl. Contingency**	$ 336,975,116	$ 782,734,946	$ 881,834,383	$ 894,497,181	$ 894,278,570

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,912	472,628	472,263	473,013	471,446	471,486
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	497,725,034	484,083,235	484,016,596	488,942,883	485,454,101	483,702,338
5	SDG&E Service Charges	5,221,328	5,322,563	5,424,812	5,542,105	5,634,218	5,747,391
6	SDG&E CRS Charges	233,469,856	232,252,294	232,437,584	234,774,147	236,124,842	237,652,252
7	SDG&E Power Franchise Charges	28,768,507	27,980,011	27,976,159	28,260,899	28,059,247	27,957,995
8	ESP Charges	8,512,411	8,507,311	8,500,726	8,514,239	8,486,030	8,486,753
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,737	758,647	767,659	778,062	786,673	797,160
13	Uncollectable Accounts	$ 1,666,610	$ 1,664,401	$ 1,663,161	$ 1,665,191	$ 1,660,937	$ 1,660,087
14	**Total Operating Expenses**	$ 782,295,707	$ 766,914,107	$ 767,300,565	$ 775,164,683	$ 773,071,840	$ 773,053,763
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	27,645,382	27,645,382	27,645,382	27,645,382	27,645,382	27,645,382
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 27,645,382	$ 27,645,382	$ 27,669,647	$ 27,753,606	$ 27,645,382	$ 27,889,221
19	**Total Operating & Non-Operating Expenses**	**$ 809,941,088**	**$ 794,559,489**	**$ 794,970,211**	**$ 802,918,289**	**$ 800,717,221**	**$ 800,942,983**
20	Contingency/Rate Stabilization Fund	$ 82,642,733	$ 80,983,615	$ 81,021,670	$ 81,851,762	$ 81,611,544	$ 81,594,204
21	**Total Expenses Incl. Contingency**	$ 892,583,821	$ 875,543,104	$ 875,991,882	$ 884,770,051	$ 882,328,765	$ 882,537,187

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,334	472,898	472,425	472,866	473,033
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	473,456,707	472,032,653	478,586,757	467,216,982	468,145,369
5	SDG&E Service Charges	5,860,450	5,997,493	6,111,323	6,239,367	6,366,396
6	SDG&E CRS Charges	238,819,732	240,623,624	241,437,536	242,828,062	244,337,683
7	SDG&E Power Franchise Charges	27,365,798	27,283,487	27,662,315	27,005,142	27,058,802
8	ESP Charges	8,484,018	8,512,168	8,503,653	8,511,589	8,514,587
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,858	820,194	830,870	842,495	853,953
13	Uncollectable Accounts	$ 1,659,673	$ 1,664,250	$ 1,663,699	$ 1,664,714	$ 1,665,495
14	**Total Operating Expenses**	$ 763,693,601	$ 764,368,162	$ 772,431,207	$ 762,149,934	$ 764,996,389
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	27,645,382	27,645,382	27,645,382	27,645,382	27,645,382
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 27,645,382	$ 27,747,009	$ 27,645,382	$ 27,674,821	$ 27,645,382
19	**Total Operating & Non-Operating Expenses**	**$ 791,338,983**	**$ 792,115,171**	**$ 800,076,589**	**$ 789,824,756**	**$ 792,641,771**
20	Contingency/Rate Stabilization Fund	$ 80,567,343	$ 80,622,172	$ 81,486,590	$ 80,357,651	$ 80,650,528
21	**Total Expenses Incl. Contingency**	$ 871,906,326	$ 872,737,344	$ 881,563,178	$ 870,182,406	$ 873,292,298

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 206,444	$ 6,134,806	$ 8,558,441	$ 8,547,560	$ 8,555,173	$ 8,512,411
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 206,444	$ 6,134,806	$ 8,558,441	$ 8,547,560	$ 8,555,173	$ 8,512,411
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	137,630	4,089,871	5,705,627	5,698,373	5,703,448	5,674,941
4		Opt-up to 100%	-		-	-	-	-
5		**Total Customer Accounts Billing Determinants**	137,630	4,089,871	5,705,627	5,698,373	5,703,448	5,674,941
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,164,271	5,041,312	5,669,360	5,662,239	5,667,334	5,638,654
6		Opt-up to 100%	-	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,164,271	5,041,312	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,507,311	$ 8,500,726	$ 8,514,239	$ 8,486,030	$ 8,486,753	$ 8,484,018
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 8,507,311	$ 8,500,726	$ 8,514,239	$ 8,486,030	$ 8,486,753	$ 8,484,018
		Customer Accounts Billing Determinants						
4		Baseload	5,671,541	5,667,150	5,676,159	5,657,353	5,657,835	5,656,012
4		Opt-up to 100%	-	-	-	-	-	-
5		**Total Customer Accounts Billing Determinants**	5,671,541	5,667,150	5,676,159	5,657,353	5,657,835	5,656,012
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
6		Opt-up to 100%	-	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,512,168	$ 8,503,653	$ 8,511,589	$ 8,514,587	$ 125,535,910
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 8,512,168	$ 8,503,653	$ 8,511,589	$ 8,514,587	$ 125,535,910
		Customer Accounts Billing Determinants					
4		Baseload	5,674,779	5,669,102	5,674,393	5,676,391	83,690,606
4		Opt-up to 100%	-	-	-	-	-
5		**Total Customer Accounts Billing Determinants**	5,674,779	5,669,102	5,674,393	5,676,391	83,690,606
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,638,607	5,632,553	5,637,888	5,640,004	86,160,888
6		Opt-up to 100%	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,160,888
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 122,665,858	$ 245,299,848	$ 490,535,958	$ 850,087,067	$ 1,708,588,732
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 62,846,381	$ 68,857,785	$ 178,876,909	$ 259,057,193	$ 569,638,267
4	Power Procurement	$ 144,442,085	$ 156,344,912	$ 351,544,640	$ 496,821,607	$ 1,149,153,245
5	Total ESP Charges	$ 74,813	$ 404,831	$ 5,861,606	$ 8,558,441	$ 14,899,691
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,441	$ 1,986,443	$ 3,103,924	$ 5,701,749	$ 12,095,557
8	**Subtotal Expenses**	$ 209,289,844	$ 227,940,221	$ 539,810,413	$ 770,327,929	$ 1,747,368,408
9	Contingency	$ 6,484,776	$ 7,159,531	$ 18,826,577	$ 27,350,632	59,821,516
10	**Total Expenses**	$ 215,774,620	$ 235,099,752	$ 558,636,991	$ 797,678,561	$ 1,807,189,924
11	Cash Flow	$ (93,108,762)	$ 10,200,096	$ (68,101,033)	$ 52,408,506	$ (98,601,193)
12	Cumulative Cash Flow	$ (93,108,762)	$ (82,908,666)	$ (151,009,699)	$ (98,601,193)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 3 - 80% RPS 95% CI

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,416	-	238,200	-	$ 600,000	$ -
2	I	2020	Jun	8,018	-	252,516	-	$ -	$ -
3	I	2020	Jul	8,599	-	271,374	-	$ -	$ -
4	I	2020	Aug	8,306	-	262,380	-	$ -	$ -
5	I	2020	Sep	9,328	-	295,329	-	$ -	$ -
6	I	2020	Oct	8,207	-	259,299	-	$ -	$ -
7	II	2020	Nov	44,905	-	298,176	-	$ 300,000	$ -
8	II	2020	Dec	42,850	-	286,997	-	$ -	$ -
9	II	2021	Jan	46,090	-	288,514	-	$ -	$ -
10	II	2021	Feb	45,344	-	290,172	-	$ -	$ -
11	II	2021	Mar	45,320	-	285,869	-	$ -	$ -
12	II	2021	Apr	45,379	-	285,974	-	$ -	$ -
13	III	2021	May	419,446	-	437,744	-	$ 300,000	$ -
14	III	2021	Jun	428,701	-	455,962	-	$ -	$ -
15	III	2021	Jul	490,325	-	502,196	-	$ -	$ -
16	III	2021	Aug	506,990	-	499,830	-	$ -	$ -
17	III	2021	Sep	611,900	-	578,783	-	$ -	$ -
18	III	2021	Oct	515,445	-	497,941	-	$ -	$ -
19	III	2021	Nov	453,733	-	458,947	-	$ -	$ -
20	III	2021	Dec	481,198	-	459,378	-	$ -	$ -
21		2022	Jan	527,029	-	478,145	-	$ -	$ -
22		2022	Feb	439,629	-	444,276	-	$ -	$ -
23		2022	Mar	431,496	-	436,585	-	$ -	$ -
24		2022	Apr	406,385	-	426,236	-	$ -	$ -
25		2022	May	419,462	-	437,761	-	$ -	$ -
26		2022	Jun	428,580	-	455,834	-	$ -	$ -
27		2022	Jul	486,343	-	498,118	-	$ -	$ -
28		2022	Aug	507,888	-	500,716	-	$ -	$ -
29		2022	Sep	611,097	-	578,024	-	$ -	$ -
30		2022	Oct	513,999	-	496,545	-	$ -	$ -
31		2022	Nov	452,886	-	458,091	-	$ -	$ -
32		2022	Dec	480,833	-	459,030	-	$ -	$ -
		Total						$ 1,200,000	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 3 - 80% RPS 95%

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,422,371	$ 8,026,934	$ 1,181,603	$ 10,630,907	$ -
2	I	2020	Jun	$ 6,682	$ 8,458,566	$ 1,333,037	$ 9,798,285	$ -
3	I	2020	Jul	$ 7,166	$ 9,104,111	$ 1,405,837	$ 10,517,114	$ -
4	I	2020	Aug	$ 6,922	$ 8,814,508	$ 1,494,982	$ 10,316,411	$ -
5	I	2020	Sep	$ 7,773	$ 9,924,342	$ 1,543,849	$ 11,475,964	$ -
6	I	2020	Oct	$ 6,839	$ 8,711,415	$ 1,389,444	$ 10,107,699	$ -
7	II	2020	Nov	$ 1,446,771	$ 9,942,494	$ 1,538,612	$ 12,927,877	$ -
8	II	2020	Dec	$ 35,708	$ 9,563,506	$ 1,527,020	$ 11,126,234	$ -
9	II	2021	Jan	$ 39,176	$ 9,701,563	$ 1,518,818	$ 11,259,557	$ -
10	II	2021	Feb	$ 38,543	$ 9,755,585	$ 1,513,604	$ 11,307,732	$ -
11	II	2021	Mar	$ 38,522	$ 9,611,400	$ 1,450,521	$ 11,100,443	$ -
12	II	2021	Apr	$ 38,572	$ 9,609,208	$ 1,488,161	$ 11,135,942	$ -
13	III	2021	May	$ 1,765,880	$ 17,189,164	$ 2,150,938	$ 21,105,982	$ -
14	III	2021	Jun	$ 364,396	$ 17,806,828	$ 2,527,835	$ 20,699,059	$ -
15	III	2021	Jul	$ 416,776	$ 19,746,862	$ 2,724,073	$ 22,887,711	$ -
16	III	2021	Aug	$ 430,941	$ 19,794,154	$ 2,610,535	$ 22,835,631	$ -
17	III	2021	Sep	$ 520,115	$ 23,103,108	$ 3,091,941	$ 26,715,164	$ -
18	III	2021	Oct	$ 438,128	$ 19,797,297	$ 2,639,937	$ 22,875,362	$ -
19	III	2021	Nov	$ 385,673	$ 18,094,551	$ 2,357,300	$ 20,837,523	$ -
20	III	2021	Dec	$ 409,019	$ 18,294,737	$ 2,216,721	$ 20,920,477	$ -
21		2022	Jan	$ 456,934	$ 19,315,142	$ 2,423,289	$ 22,195,365	$ -
22		2022	Feb	$ 381,158	$ 17,597,963	$ 2,168,958	$ 20,148,079	$ -
23		2022	Mar	$ 374,107	$ 17,285,989	$ 2,160,136	$ 19,820,231	$ -
24		2022	Apr	$ 352,336	$ 16,765,465	$ 2,231,705	$ 19,349,506	$ -
25		2022	May	$ 363,674	$ 17,286,311	$ 2,215,779	$ 19,865,763	$ -
26		2022	Jun	$ 371,579	$ 17,901,585	$ 2,237,005	$ 20,510,169	$ -
27		2022	Jul	$ 421,659	$ 19,696,650	$ 2,522,127	$ 22,640,437	$ -
28		2022	Aug	$ 440,339	$ 19,941,164	$ 2,614,361	$ 22,995,864	$ -
29		2022	Sep	$ 529,821	$ 23,203,612	$ 3,010,423	$ 26,743,856	$ -
30		2022	Oct	$ 445,637	$ 19,853,428	$ 2,594,465	$ 22,893,530	$ -
31		2022	Nov	$ 392,652	$ 18,162,433	$ 2,356,226	$ 20,911,312	$ -
32		2022	Dec	$ 416,883	$ 18,384,382	$ 2,181,816	$ 20,983,080	$ -
		Total		$ 12,772,753	$ 490,444,457	$ 66,421,058	$ 569,638,267	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 3 - 80% RPS 95

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 20,442,952	$ -	$ 11,124	$ -	$ 3,854	$ -	$ 217,240	$ -
2	I	2020	Jun	$ 23,062,931	$ -	$ 12,027	$ -	$ 3,854	$ -	$ 217,240	$ -
3	I	2020	Jul	$ 24,322,444	$ -	$ 12,899	$ -	$ 3,854	$ -	$ 217,240	$ -
4	I	2020	Aug	$ 25,864,742	$ -	$ 12,459	$ -	$ 3,854	$ -	$ 217,240	$ -
5	I	2020	Sep	$ 26,710,183	$ -	$ 13,992	$ -	$ 3,854	$ -	$ 217,240	$ -
6	I	2020	Oct	$ 24,038,832	$ -	$ 12,311	$ -	$ 3,854	$ -	$ 217,240	$ -
7	II	2020	Nov	$ 26,619,582	$ -	$ 67,357	$ -	$ 7,708	$ -	$ 217,240	$ -
8	II	2020	Dec	$ 26,419,028	$ -	$ 64,275	$ -	$ 7,708	$ -	$ 217,240	$ -
9	II	2021	Jan	$ 26,277,125	$ -	$ 69,134	$ -	$ 7,708	$ -	$ 387,991	$ -
10	II	2021	Feb	$ 26,186,921	$ -	$ 68,016	$ -	$ 7,708	$ -	$ 387,991	$ -
11	II	2021	Mar	$ 25,095,521	$ -	$ 67,980	$ -	$ 7,708	$ -	$ 387,991	$ -
12	II	2021	Apr	$ 25,746,735	$ -	$ 68,069	$ -	$ 7,708	$ -	$ 387,991	$ -
13	III	2021	May	$ 37,213,453	$ -	$ 629,169	$ -	$ 15,417	$ -	$ 387,991	$ -
14	III	2021	Jun	$ 43,734,178	$ -	$ 643,052	$ -	$ 15,417	$ -	$ 387,991	$ -
15	III	2021	Jul	$ 47,129,299	$ -	$ 735,487	$ -	$ 15,417	$ -	$ 387,991	$ -
16	III	2021	Aug	$ 45,164,972	$ -	$ 760,485	$ -	$ 15,417	$ -	$ 387,991	$ -
17	III	2021	Sep	$ 53,493,782	$ -	$ 917,850	$ -	$ 15,417	$ -	$ 387,991	$ -
18	III	2021	Oct	$ 45,673,652	$ -	$ 773,167	$ -	$ 15,417	$ -	$ 387,991	$ -
19	III	2021	Nov	$ 40,783,733	$ -	$ 680,599	$ -	$ 15,417	$ -	$ 387,991	$ -
20	III	2021	Dec	$ 38,351,571	$ -	$ 721,798	$ -	$ 15,417	$ -	$ 387,991	$ -
21		2022	Jan	$ 41,925,411	$ -	$ 790,543	$ -	$ 15,745	$ -	$ 475,146	$ -
22		2022	Feb	$ 37,525,219	$ -	$ 659,443	$ -	$ 15,745	$ -	$ 475,146	$ -
23		2022	Mar	$ 37,372,590	$ -	$ 647,243	$ -	$ 15,745	$ -	$ 475,146	$ -
24		2022	Apr	$ 38,610,812	$ -	$ 609,578	$ -	$ 15,745	$ -	$ 475,146	$ -
25		2022	May	$ 38,335,274	$ -	$ 629,193	$ -	$ 15,745	$ -	$ 475,146	$ -
26		2022	Jun	$ 38,702,508	$ -	$ 642,871	$ -	$ 15,745	$ -	$ 475,146	$ -
27		2022	Jul	$ 43,635,423	$ -	$ 729,514	$ -	$ 15,745	$ -	$ 475,146	$ -
28		2022	Aug	$ 45,231,154	$ -	$ 761,833	$ -	$ 15,745	$ -	$ 475,146	$ -
29		2022	Sep	$ 52,083,442	$ -	$ 916,646	$ -	$ 15,745	$ -	$ 475,146	$ -
30		2022	Oct	$ 44,886,939	$ -	$ 770,999	$ -	$ 15,745	$ -	$ 475,146	$ -
31		2022	Nov	$ 40,765,158	$ -	$ 679,329	$ -	$ 15,745	$ -	$ 475,146	$ -
32		2022	Dec	$ 37,747,676	$ -	$ 721,250	$ -	$ 15,745	$ -	$ 475,146	$ -
		Total		$ 1,149,153,245	$ -	$ 14,899,691	$ -	$ 381,647	$ -	$ 12,095,557	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 3 - 80% RPS 95

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 31,906,078	$ -	$ 1,146,313	$ -	$ 33,052,391	$ -	$ 33,052,391
2	I	2020	Jun	$ 33,094,338	$ -	$ 1,003,141	$ -	$ 34,097,479	$ -	$ 34,097,479
3	I	2020	Jul	$ 35,073,552	$ -	$ 1,075,111	$ -	$ 36,148,662	$ -	$ 36,148,662
4	I	2020	Aug	$ 36,414,706	$ -	$ 1,054,996	$ -	$ 37,469,703	$ -	$ 37,469,703
5	I	2020	Sep	$ 38,421,234	$ -	$ 1,171,105	$ -	$ 39,592,339	$ -	$ 39,592,339
6	I	2020	Oct	$ 34,379,936	$ -	$ 1,034,110	$ -	$ 35,414,046	$ -	$ 35,414,046
7	II	2020	Nov	$ 40,139,765	$ -	$ 1,352,018	$ -	$ 41,491,784	$ -	$ 41,491,784
8	II	2020	Dec	$ 37,834,485	$ -	$ 1,141,546	$ -	$ 38,976,031	$ -	$ 38,976,031
9	II	2021	Jan	$ 38,001,515	$ -	$ 1,172,439	$ -	$ 39,173,954	$ -	$ 39,173,954
10	II	2021	Feb	$ 37,958,368	$ -	$ 1,177,145	$ -	$ 39,135,512	$ -	$ 39,135,512
11	II	2021	Mar	$ 36,659,643	$ -	$ 1,156,412	$ -	$ 37,816,055	$ -	$ 37,816,055
12	II	2021	Apr	$ 37,346,444	$ -	$ 1,159,971	$ -	$ 38,506,415	$ -	$ 38,506,415
13	III	2021	May	$ 59,652,011	$ -	$ 2,243,856	$ -	$ 61,895,867	$ -	$ 61,895,867
14	III	2021	Jun	$ 65,479,696	$ -	$ 2,174,552	$ -	$ 67,654,248	$ -	$ 67,654,248
15	III	2021	Jul	$ 71,155,904	$ -	$ 2,402,661	$ -	$ 73,558,565	$ -	$ 73,558,565
16	III	2021	Aug	$ 69,164,495	$ -	$ 2,399,952	$ -	$ 71,564,447	$ -	$ 71,564,447
17	III	2021	Sep	$ 81,530,203	$ -	$ 2,803,642	$ -	$ 84,333,845	$ -	$ 84,333,845
18	III	2021	Oct	$ 69,725,589	$ -	$ 2,405,194	$ -	$ 72,130,782	$ -	$ 72,130,782
19	III	2021	Nov	$ 62,705,263	$ -	$ 2,192,153	$ -	$ 64,897,416	$ -	$ 64,897,416
20	III	2021	Dec	$ 60,397,253	$ -	$ 2,204,568	$ -	$ 62,601,821	$ -	$ 62,601,821
21		2022	Jan	$ 65,402,209	$ -	$ 2,347,680	$ -	$ 67,749,889	$ -	$ 67,749,889
22		2022	Feb	$ 58,823,631	$ -	$ 2,129,841	$ -	$ 60,953,473	$ -	$ 60,953,473
23		2022	Mar	$ 58,330,955	$ -	$ 2,095,836	$ -	$ 60,426,791	$ -	$ 60,426,791
24		2022	Apr	$ 59,060,787	$ -	$ 2,044,997	$ -	$ 61,105,785	$ -	$ 61,105,785
25		2022	May	$ 59,321,121	$ -	$ 2,098,585	$ -	$ 61,419,706	$ -	$ 61,419,706
26		2022	Jun	$ 60,346,438	$ -	$ 2,164,393	$ -	$ 62,510,831	$ -	$ 62,510,831
27		2022	Jul	$ 67,496,265	$ -	$ 2,386,084	$ -	$ 69,882,349	$ -	$ 69,882,349
28		2022	Aug	$ 69,479,742	$ -	$ 2,424,859	$ -	$ 71,904,601	$ -	$ 71,904,601
29		2022	Sep	$ 80,234,836	$ -	$ 2,815,139	$ -	$ 83,049,975	$ -	$ 83,049,975
30		2022	Oct	$ 69,042,359	$ -	$ 2,415,542	$ -	$ 71,457,901	$ -	$ 71,457,901
31		2022	Nov	$ 62,846,689	$ -	$ 2,208,153	$ -	$ 65,054,842	$ -	$ 65,054,842
32		2022	Dec	$ 59,942,897	$ -	$ 2,219,522	$ -	$ 62,162,419	$ -	$ 62,162,419
		Total		$ 1,747,368,408	$ -	$ 59,821,516	$ -	$ 1,807,189,924	$ -	$ 1,807,189,924

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 3 - 80% RPS 95

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 382,339,119	$ -	$ 349,286,728	$ 349,286,728
2	I	2020	Jun	$ -	$ -	$ (34,097,479)	315,189,249
3	I	2020	Jul	$ -	$ 30,666,465	$ (5,482,198)	309,707,052
4	I	2020	Aug	$ -	$ 30,666,465	$ (6,803,238)	302,903,813
5	I	2020	Sep	$ -	$ 30,666,465	$ (8,925,874)	293,977,939
6	I	2020	Oct	$ -	$ 30,666,465	$ (4,747,582)	289,230,357
7	II	2020	Nov	$ -	$ 30,666,465	$ (10,825,319)	278,405,038
8	II	2020	Dec	$ -	$ 30,666,465	$ (8,309,567)	270,095,472
9	II	2021	Jan	$ -	$ 30,666,465	$ (8,507,490)	261,587,982
10	II	2021	Feb	$ -	$ 30,666,465	$ (8,469,048)	253,118,934
11	II	2021	Mar	$ -	$ 61,316,995	$ 23,500,940	276,619,874
12	II	2021	Apr	$ -	$ 61,316,995	$ 22,810,579	299,430,453
13	III	2021	May	$ -	$ 61,316,995	$ (578,872)	298,851,581
14	III	2021	Jun	$ -	$ 61,316,995	$ (6,337,253)	292,514,328
15	III	2021	Jul	$ -	$ 61,316,995	$ (12,241,570)	280,272,758
16	III	2021	Aug	$ -	$ 61,316,995	$ (10,247,453)	270,025,305
17	III	2021	Sep	$ -	$ 61,316,995	$ (23,016,850)	247,008,455
18	III	2021	Oct	$ -	$ 61,316,995	$ (10,813,787)	236,194,668
19	III	2021	Nov	$ -	$ 61,316,995	$ (3,580,421)	232,614,247
20	III	2021	Dec	$ -	$ 61,316,995	$ (1,284,826)	231,329,420
21		2022	Jan	$ -	$ 61,316,995	$ (6,432,894)	224,896,526
22		2022	Feb	$ -	$ 61,316,995	$ 363,522	225,260,048
23		2022	Mar	$ -	$ 72,745,308	$ 12,318,516	237,578,565
24		2022	Apr	$ -	$ 72,745,308	$ 11,639,523	249,218,088
25		2022	May	$ -	$ 72,745,308	$ 11,325,602	260,543,689
26		2022	Jun	$ -	$ 72,745,308	$ 10,234,477	270,778,166
27		2022	Jul	$ -	$ 72,745,308	$ 2,862,959	273,641,125
28		2022	Aug	$ -	$ 72,745,308	$ 840,707	274,481,832
29		2022	Sep	$ -	$ 72,745,308	$ (10,304,667)	264,177,165
30		2022	Oct	$ -	$ 72,745,308	$ 1,287,407	265,464,572
31		2022	Nov	$ -	$ 72,745,308	$ 7,690,466	273,155,038
32		2022	Dec	$ -	$ 72,745,308	$ 10,582,888	283,737,927
		Total		$ 382,339,119	$ 1,708,588,732	$ 283,737,927	$ 8,691,296,397

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

304,935,514	Operating Costs, Average 5 Months for First Two Full Years
77,403,605	Average Annual Rate Stabilization Funding for First Two Full Years
382,339,119	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										382,339,119	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 382,339,119	$ 13,819,702	$ 27,645,382	$ 36,852,539	$ 460,656,742	$ 18,426,270	$ 18,426,270	$ 27,645,382	$ 27,645,382
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 18,426,270**	**$ 18,426,270**	**$ 27,645,382**	**$ 27,645,382**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 27,645,382	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382	$ 27,645,382
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 27,645,382	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**	**$ 27,645,382**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Scenario 3 - 80% RPS 95% CI

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,035	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,911	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	87,415	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,667	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	122,394																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 3 - 80% RPS 95% CI**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

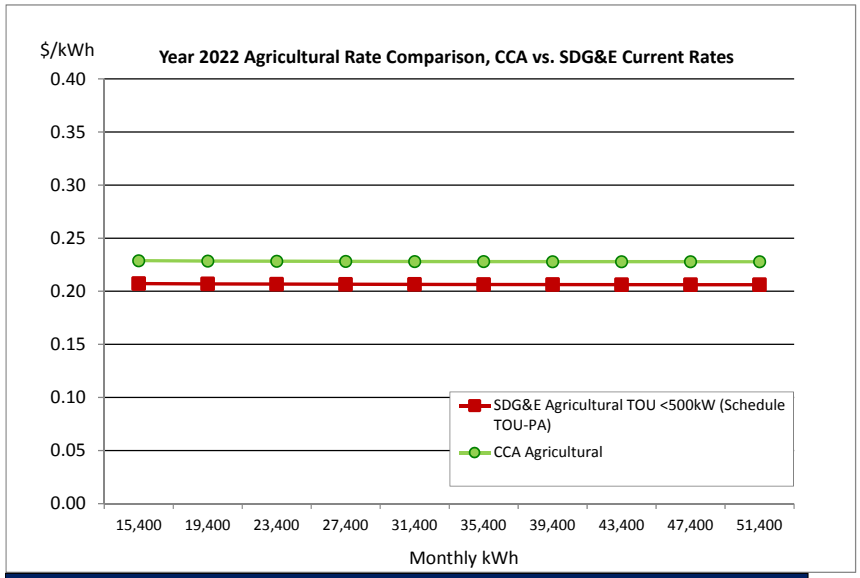
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.87	-	-	-	-	(4.26)	(261.87)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,422 kWh	0.1807	0.0901	0.0055	0.2763	2,050.67	0.0891	0.1900	0.2791	2,071.81	0.0028	21.14
Semi-Peak Energy, $/kWh	9,543 kWh	0.1414	0.0901	0.0055	0.2370	2,261.36	0.0891	0.1900	0.2791	2,663.75	0.0422	402.40
Off-Peak Energy, $/kWh	18,508 kWh	0.0995	0.0901	0.0055	0.1951	3,610.86	0.0891	0.1900	0.2791	5,166.07	0.0840	1,555.21
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	446.97	0.0891	0.0711	0.1602	387.05	(0.0248)	(59.93)
Semi-Peak Energy, $/kWh	10,468 kWh	0.0765	0.0901	0.0055	0.1722	1,802.01	0.0891	0.0711	0.1602	1,677.20	(0.0119)	(124.81)
Off-Peak Energy, $/kWh	14,443 kWh	0.0587	0.0901	0.0055	0.1543	2,228.24	0.0891	0.0711	0.1602	2,314.22	0.0060	85.98
Average Monthly Bill ($)						6,708.31				7,521.20		812.88
											Percentage Change	**12.1%**

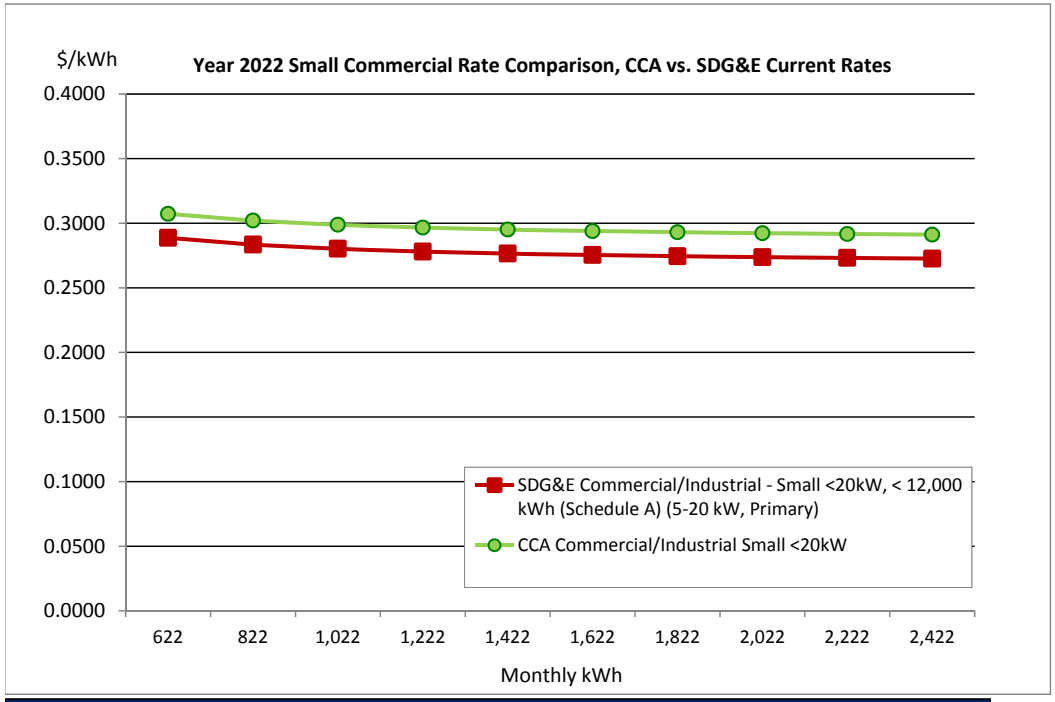


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.2100	0.3458	510.50	0.0411	60.72
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0849	0.2207	301.84	(0.0058)	(7.93)
Average Monthly Bill ($)						395.89				423.60		27.71
											Percentage Change	**7.0%**

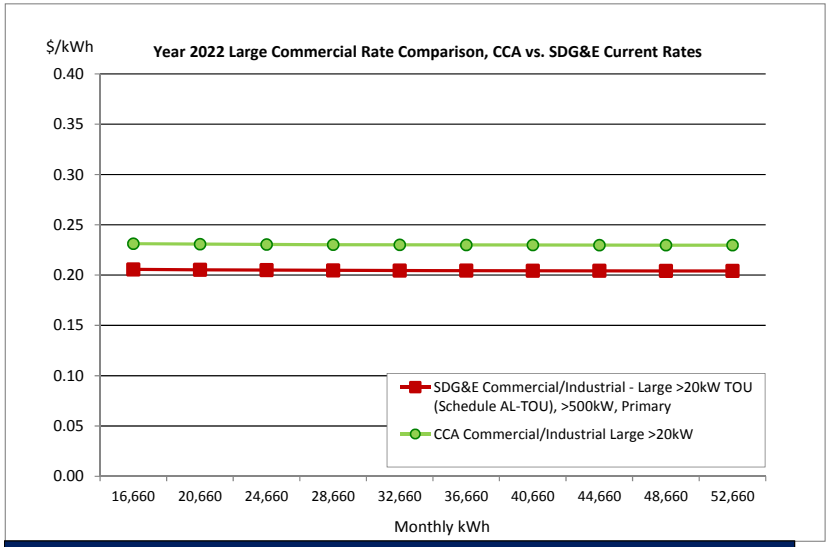


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.54	27.67	-	27.67	1,768.54	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.83	11.50	-	11.50	735.10	(12.54)	(801.73)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,106.99	0.0034	0.2100	0.2134	1,533.72	0.0594	426.73
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.25	0.0034	0.2100	0.2134	1,971.92	0.0712	657.68
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.27	0.0034	0.2100	0.2134	3,824.34	0.1087	1,948.06
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0871	0.0905	247.74	(0.0491)	(134.37)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.53	0.0034	0.0871	0.0905	1,073.52	(0.0302)	(358.01)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.06	0.0034	0.0871	0.0905	1,481.25	(0.0041)	(67.81)
Average Monthly Bill ($)						6,705.97				7,634.19		928.22
											Percentage Change	**13.8%**

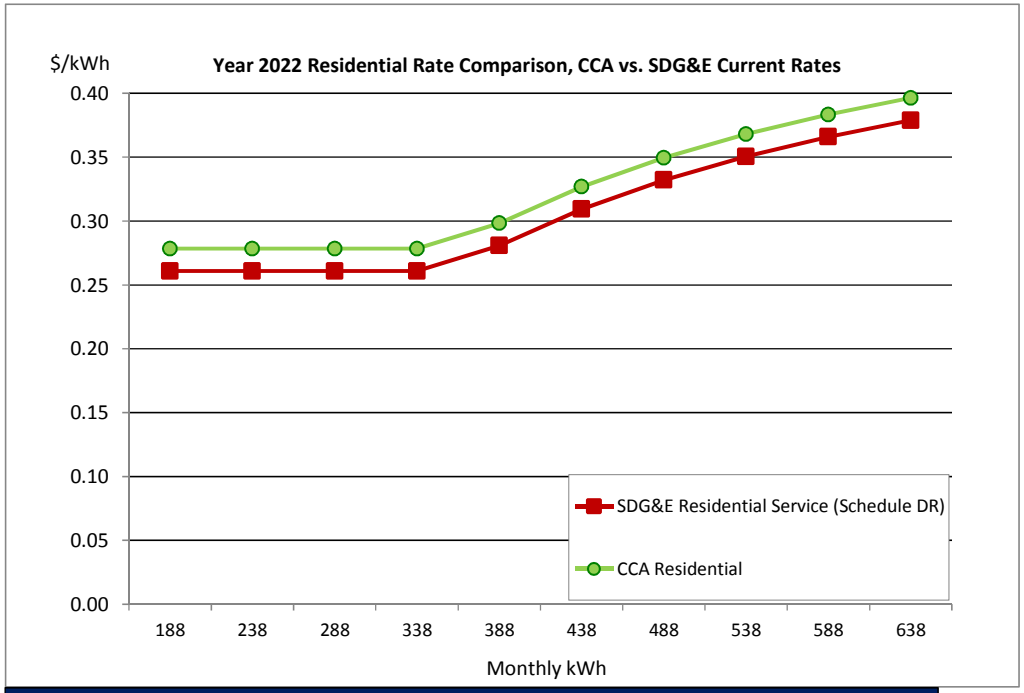


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2400	0.3165	113.57	0.0436	15.64
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.88	0.3570	0.2400	0.5970	26.84	0.0436	1.96
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0930	0.2370	85.51	(0.0108)	(3.89)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0930	0.4962	6.04	(0.0108)	(0.13)
Average Monthly Bill ($)						109.74				116.95		7.22
											Percentage Change	**6.6%**

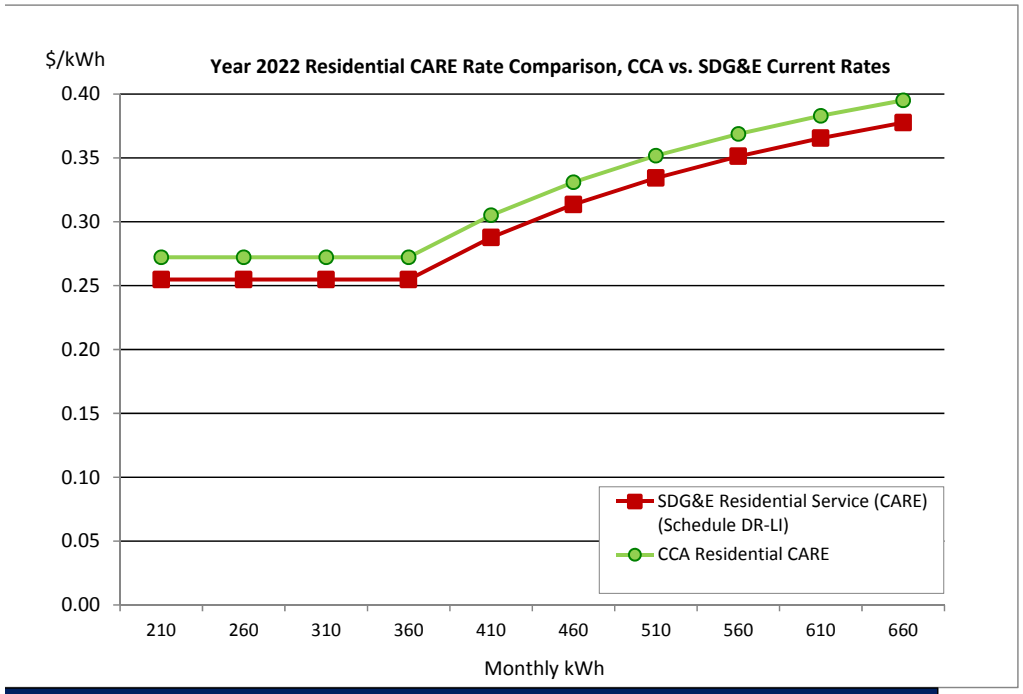


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2300	0.3059	109.77	0.0391	14.02
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.73	0.3564	0.2300	0.5864	39.35	0.0391	2.62
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0924	0.2358	85.08	(0.0059)	(2.13)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.35	0.4026	0.0924	0.4950	16.16	(0.0059)	(0.19)
Average Monthly Bill ($)						118.59				126.13		7.54
											Percentage Change	**6.4%**

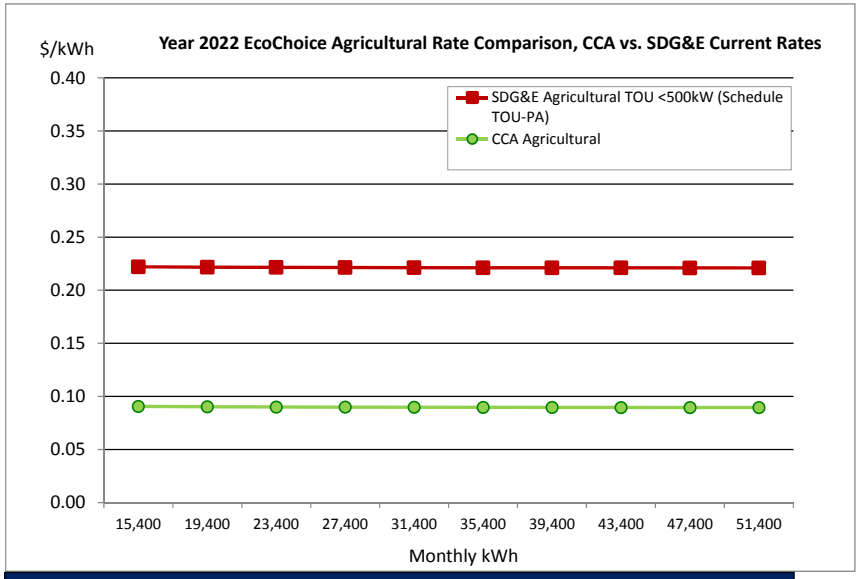


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.56	-	-	-	-	(4.0288)	(247.56)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,422 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.01	0.0891	-	0.0891	661.55	(0.2024)	(1,502.45)
Semi-Peak Energy, $/kWh	9,543 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.08	0.0891	-	0.0891	850.57	(0.1631)	(1,556.51)
Off-Peak Energy, $/kWh	18,508 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.47	0.0891	-	0.0891	1,649.59	(0.1212)	(2,243.89)
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.86	0.0891	-	0.0891	215.30	(0.1112)	(268.56)
Semi-Peak Energy, $/kWh	10,468 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,961.85	0.0891	-	0.0891	932.96	(0.0983)	(1,028.89)
Off-Peak Energy, $/kWh	14,443 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,448.78	0.0891	-	0.0891	1,287.31	(0.0804)	(1,161.47)
Average Monthly Bill ($)							7,181.55				2,868.62		(4,312.92)
												Percentage Change	**-60.1%**

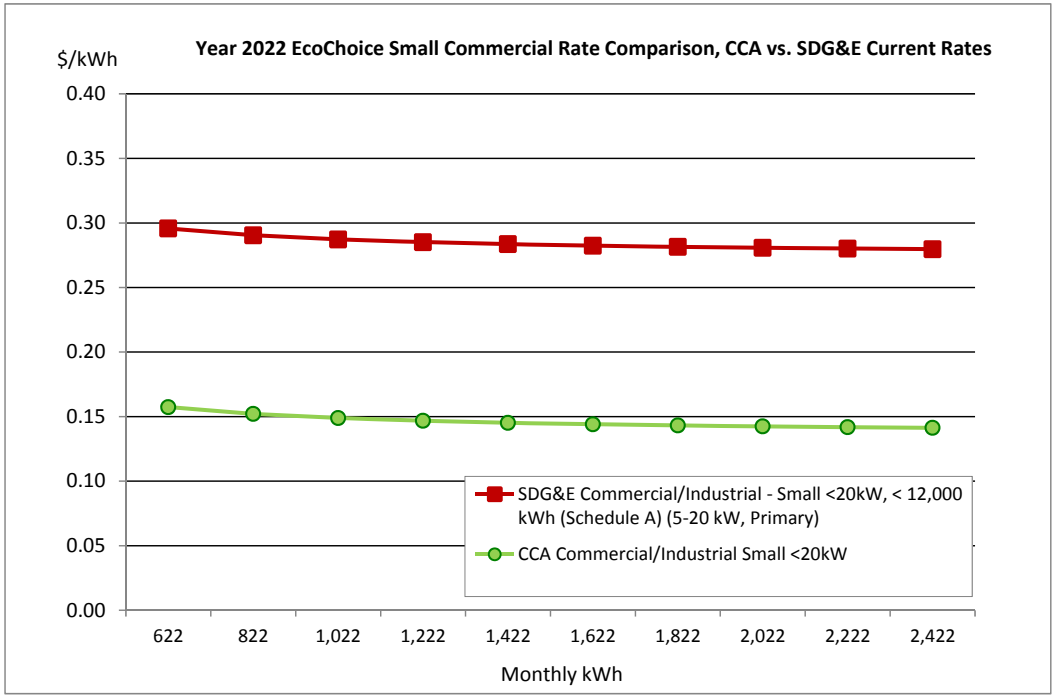


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	-	0.1358	200.47	(0.1759)	(259.73)
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	-	0.1358	185.72	(0.0978)	(133.70)
Average Monthly Bill ($)							405.94				206.82		(199.12)
											Percentage Change		**-49.1%**

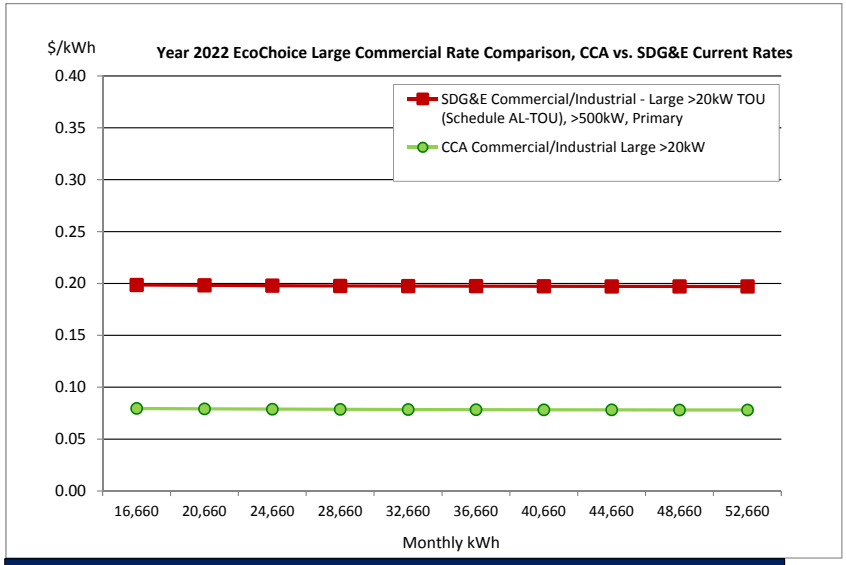


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.54	27.67	-	27.67	1,768.54	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.17	11.50	-	11.50	735.10	(13.27)	(848.07)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.36	0.0034	-	0.0034	24.37	(0.1427)	(1,025.98)
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.43	0.0034	-	0.0034	31.34	(0.1309)	(1,210.09)
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.05	0.0034	-	0.0034	60.77	(0.0934)	(1,674.28)
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	-	0.0034	9.28	(0.1283)	(351.25)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.05	0.0034	-	0.0034	40.23	(0.1094)	(1,297.82)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.07	0.0034	-	0.0034	55.51	(0.0834)	(1,364.57)
Average Monthly Bill ($)							6,471.09				2,561.86		(3,909.23)
												Percentage Change	**-60.4%**

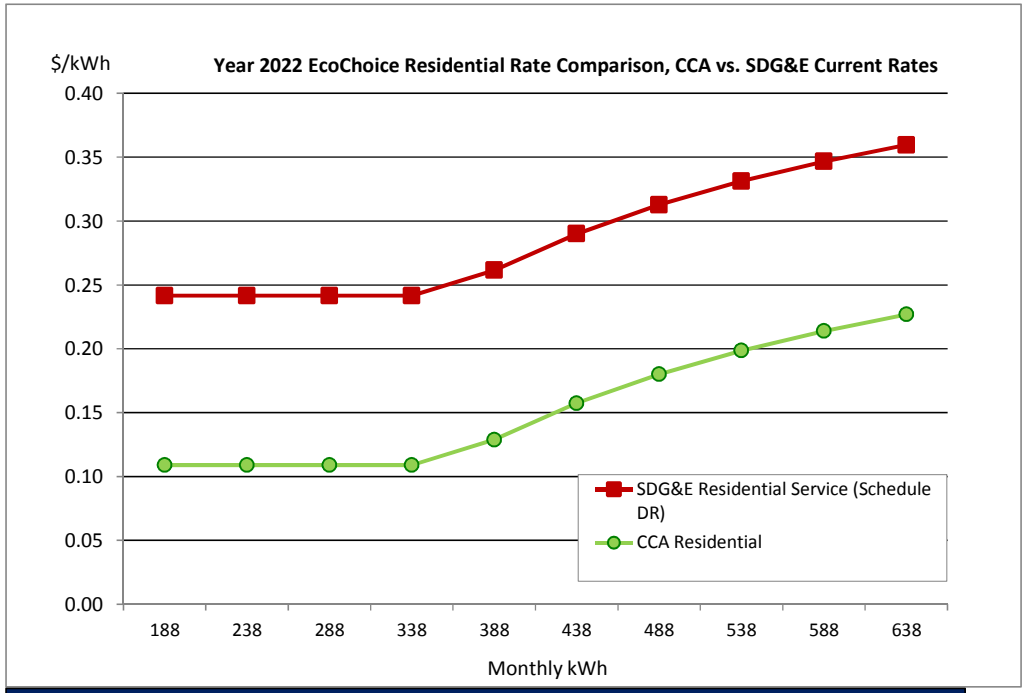


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	-	0.0765	27.46	(0.1771)	(63.54)
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	-	0.3570	16.05	(0.1771)	(7.96)
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	-	0.1440	51.96	(0.0845)	(30.47)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	-	0.4032	4.91	(0.0845)	(1.03)
Average Monthly Bill ($)							102.22				49.92		(52.30)
												Percentage Change	**-51.2%**

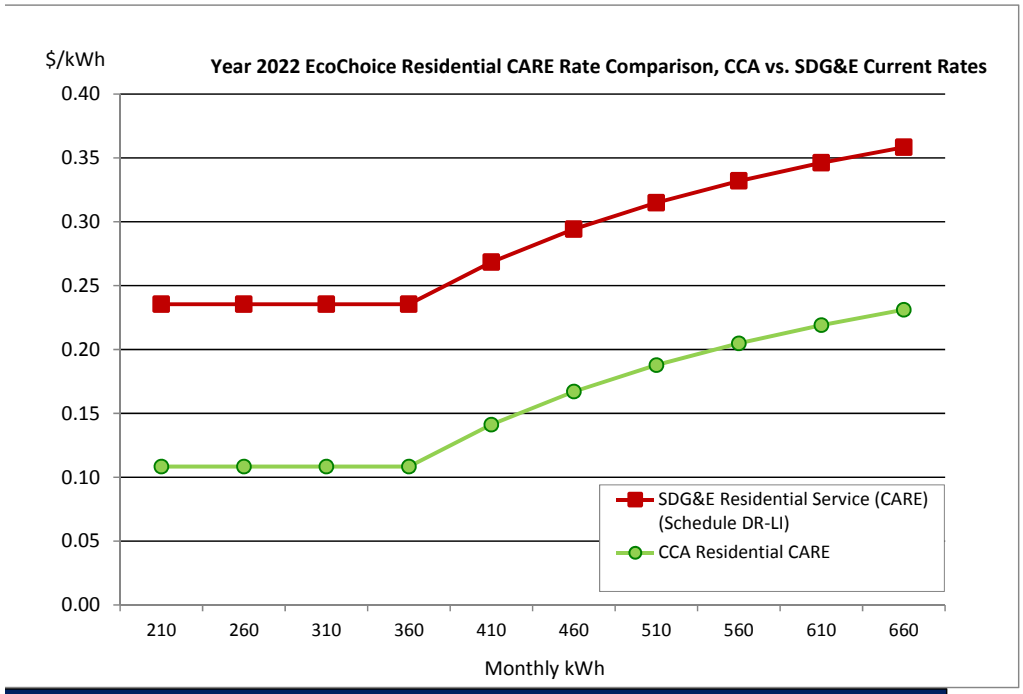


Scenario 3 - 80% RPS 95% CI

Scenario: Scenario 3 - 80% RPS 95% CI

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	-	0.0759	27.25	(0.1716)	(61.57)
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	-	0.3564	23.92	(0.1716)	(11.51)
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	-	0.1434	51.75	(0.0790)	(28.49)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.72	0.4026	-	0.4026	13.14	(0.0790)	(2.58)
Average Monthly Bill ($)							110.66				57.75		(52.91)
												Percentage Change	**-47.8%**



Scenario 3 - 80% RPS 95% CI

PRO FORMA OUTPUTS

SCENARIO 4

100% RPS 95% CI

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	8,399,065
4	Total Non-Operating Expenses		29,792,893
5	Power Costs		831,429,682
6	Contingency/Rate Stabilization Fund		88,900,673
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**958,522,314**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	-
10	Total Non-Operating Expenses		-
11	Power Costs		-
12	Contingency/Rate Stabilization Fund		-
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**-**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**958,522,314**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,399
3	Outdoor Lighting Small <20kW	330	23,849	6,028
4	Commercial/Industrial Small <20kW	38,920	664,110	1,422
5	Commercial/Industrial Large >20kW	7,416	2,906,349	32,660
6	Residential	339,424	1,581,875	388
7	Residential CARE	88,016	432,697	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**475,191**	**5,666,311**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	-	-	-
14	Commercial/Industrial Large >20kW	-	-	-
15	Residential	-	-	-
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**-**	**-**	**-**
19	**TOTAL CCA**	**475,191**	**5,666,311**	**-**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		0%	0.00%
23	Commercial/Industrial Large >20kW		0%	0.00%
24	Residential		0%	0.00%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**0%**	**0.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.2100	0.0729	-	-
2	Outdoor Lighting Small <20kW	0.1800	0.0847	-	-
3	Commercial/Industrial Small <20kW	0.2300	0.0884	-	-
4	Commercial/Industrial Large >20kW	0.2300	0.0904	-	-
5	Residential	0.2500	0.1073	-	-
6	Residential CARE	0.2500	0.0959	-	-
7	Residential Outdoor Lighting	0.1800	0.0781	-	-

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Scenario 4 - 100% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,242	55,830	55,737	55,659	55,697
2	Outdoor Lighting Small <20kW	15,227	23,904	23,857	23,828	23,861
3	Commercial/Industrial Small <20kW	102,979	665,537	664,452	663,607	664,272
4	Commercial/Industrial Large >20kW	2,006,131	2,912,678	2,907,939	2,904,216	2,906,893
5	Residential	-	1,085,000	1,582,714	1,580,795	1,582,114
6	Residential CARE	-	296,784	432,926	432,401	432,762
7	Residential Outdoor Lighting	-	1,170	1,735	1,732	1,735
8	Total	2,164,579	5,040,904	5,669,360	5,662,239	5,667,334
	Scenario 4 - 100% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-
13	Residential	-	-	-	-	-
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	-	-	-	-	-
17	**Total MWh**	**2,164,579**	**5,040,904**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,050,067	$ 8,393,692	$ 8,379,713	$ 8,368,011	$ 8,373,708
20	Outdoor Lighting Small <20kW	1,954,783	3,068,655	3,062,527	3,058,889	3,063,060
21	Commercial/Industrial Small <20kW	16,672,753	107,753,388	107,577,669	107,440,914	107,548,636
22	Commercial/Industrial Large >20kW	328,628,015	477,131,113	476,354,825	475,744,914	476,183,484
23	Residential	-	196,902,802	287,226,695	286,878,366	287,117,796
24	Residential CARE	-	52,234,977	76,196,376	76,103,970	76,167,487
25	Residential Outdoor Lighting	-	150,281	222,719	222,428	222,706
26	Total	353,305,617	845,634,909	959,020,522	957,817,493	958,676,876
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-
31	Residential	-	-	-	-	-
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 353,305,617**	**$ 845,634,909**	**$ 959,020,522**	**$ 957,817,493**	**$ 958,676,876**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 264,979,213**	**$ 793,022,161**	**$ 940,122,920**	**$ 958,017,998**	**$ 958,533,645**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Scenario 4 - 100% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,427	55,397	55,355	55,426	55,250	55,248
2	Outdoor Lighting Small <20kW	23,729	23,721	23,702	23,746	23,655	23,658
3	Commercial/Industrial Small <20kW	660,828	660,449	659,935	661,044	658,758	658,798
4	Commercial/Industrial Large >20kW	2,892,028	2,890,427	2,888,205	2,892,875	2,882,982	2,883,140
5	Residential	1,574,294	1,573,337	1,572,087	1,574,632	1,569,383	1,569,513
6	Residential CARE	430,623	430,361	430,019	430,715	429,280	429,315
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
	Scenario 4 - 100% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-	-
13	Residential	-	-	-	-	-	-
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	-	-	-	-	-	-
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 8,333,077	$ 8,328,558	$ 8,322,308	$ 8,332,935	$ 8,306,398	$ 8,306,157
20	Outdoor Lighting Small <20kW	3,046,188	3,045,058	3,042,617	3,048,380	3,036,707	3,037,048
21	Commercial/Industrial Small <20kW	106,990,991	106,929,602	106,846,370	107,026,028	106,655,907	106,662,304
22	Commercial/Industrial Large >20kW	473,748,471	473,486,158	473,122,207	473,887,222	472,266,564	472,292,486
23	Residential	285,698,561	285,524,967	285,298,056	285,759,834	284,807,274	284,830,912
24	Residential CARE	75,790,987	75,744,936	75,684,740	75,807,242	75,554,544	75,560,815
25	Residential Outdoor Lighting	221,477	221,370	221,213	221,624	220,793	220,810
26	Total	953,829,754	953,280,649	952,537,511	954,083,267	950,848,187	950,910,531
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-	-
31	Residential	-	-	-	-	-	-
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 953,829,754**	**$ 953,280,649**	**$ 952,537,511**	**$ 954,083,267**	**$ 950,848,187**	**$ 950,910,531**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 954,637,607**	**$ 953,372,166**	**$ 952,661,368**	**$ 953,825,641**	**$ 951,387,367**	**$ 950,900,140**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Scenario 4 - 100% RPS 95% CI with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,409	55,364	55,412	55,434
2	Outdoor Lighting Small <20kW	23,652	23,745	23,706	23,727	23,736
3	Commercial/Industrial Small <20kW	658,570	660,845	660,088	660,697	660,966
4	Commercial/Industrial Large >20kW	2,882,183	2,892,037	2,888,906	2,891,561	2,892,684
5	Residential	1,569,086	1,574,238	1,572,605	1,574,176	1,574,719
6	Residential CARE	429,198	430,608	430,161	430,591	430,739
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,725
8	Total	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
	Scenario 4 - 100% RPS 95% CI with Phase In - Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	-	-	-	-	-
12	Commercial/Industrial Large >20kW	-	-	-	-	-
13	Residential	-	-	-	-	-
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	-	-	-	-	-
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 8,303,714	$ 8,330,387	$ 8,323,630	$ 8,330,781	$ 8,334,151
20	Outdoor Lighting Small <20kW	3,036,270	3,048,238	3,043,174	3,045,856	3,047,054
21	Commercial/Industrial Small <20kW	106,625,338	106,993,689	106,871,147	106,969,708	107,013,252
22	Commercial/Industrial Large >20kW	472,135,728	473,749,863	473,236,985	473,671,935	473,855,946
23	Residential	284,753,441	285,688,389	285,392,018	285,677,243	285,775,680
24	Residential CARE	75,540,263	75,788,289	75,709,667	75,785,332	75,811,446
25	Residential Outdoor Lighting	220,733	221,567	221,265	221,450	221,539
26	Total	950,615,488	953,820,422	952,797,886	953,702,304	954,059,070
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	-	-	-	-	-
30	Commercial/Industrial Large >20kW	-	-	-	-	-
31	Residential	-	-	-	-	-
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ -	$ -	$ -	$ -	$ -
35	**TOTAL RATE REVENUE**	**$ 950,615,488**	**$ 953,820,422**	**$ 952,797,886**	**$ 953,702,304**	**$ 954,059,070**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 950,664,662**	**$ 953,286,267**	**$ 952,968,309**	**$ 953,551,568**	**$ 953,999,609**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 264,979,213	$ 793,022,161	$ 940,122,920	$ 958,017,998	$ 958,533,645	$ 954,637,607	$ 953,372,166	$ 952,661,368
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 264,979,213	$ 793,022,161	$ 940,122,920	$ 958,017,998	$ 958,533,645	$ 954,637,607	$ 953,372,166	$ 952,661,368
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		218,533,767	505,222,035	551,710,866	557,398,443	554,807,420	557,129,266	541,414,693	542,176,958
7	SDG&E Service Charges		2,940,327	4,884,795	4,946,507	5,039,288	5,144,447	5,221,272	5,322,483	5,424,629
8	SDG&E CRS Charges		72,556,191	192,483,636	225,392,996	231,388,988	236,625,381	233,470,303	232,252,692	232,437,143
9	SDG&E Power Franchise Charges		12,631,252	29,201,834	31,888,888	32,217,630	32,067,869	32,202,072	31,293,769	31,337,828
10	ESP Charges		206,481	6,133,072	8,557,970	8,547,540	8,554,813	8,512,321	8,507,183	8,500,439
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,474	552,324	729,285	735,656	743,515	749,732	758,640	767,644
15	Uncollectable Accounts		498,161	1,490,882	1,767,431	1,801,074	1,802,043	1,794,719	1,792,340	1,791,003
16	**Total Operating Expenses**		$ 310,042,644	$ 744,526,213	$ 830,717,031	$ 842,999,751	$ 845,769,460	$ 845,261,909	$ 827,687,444	$ 828,949,511
17	Contingency/Rate Stabilization Fund		32,941,930	78,932,257	87,963,539	89,242,241	89,496,238	89,466,070	87,569,288	87,702,253
18	**Total Operating Expenses & Contin/Rate Stab**		$ 342,984,574	$ 823,458,470	$ 918,680,570	$ 932,241,993	$ 935,265,699	$ 934,727,979	$ 915,256,732	$ 916,651,765
19	**Net Operating Revenues**		$ (78,005,361)	$ (30,436,309)	$ 21,442,350	$ 25,776,005	$ 23,267,946	$ 19,909,628	$ 38,115,434	$ 36,009,603
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,470,123	3,602,518	3,345,571	3,317,491	3,297,806	3,248,593	3,273,576	3,379,187
22	Total Non-Operating Revenues (Expenses)		$ 2,170,123	$ 3,602,518	$ 3,345,571	$ 3,317,491	$ 3,207,590	$ 3,248,593	$ 3,273,576	$ 3,354,922
23	**Net Operating Income**		$ (75,835,238)	$ (26,833,791)	$ 24,787,921	$ 29,093,496	$ 26,475,536	$ 23,158,221	$ 41,389,009	$ 39,364,525
	Debt Service	[3]								
24	Borrowing 1		$ 19,837,591	$ 19,837,591	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 19,837,591	$ 19,837,591	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
29	**Debt Service Coverage (Target=1.25)**		(3.82)	(1.35)	0.83	0.98	0.89	0.78	1.39	1.32
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (95,672,829)	$ (46,671,381)	$ (4,974,900)	$ (669,325)	$ (3,287,285)	$ (6,604,600)	$ 11,626,188	$ 9,601,704
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (95,672,829)	$ (46,671,381)	$ (4,974,900)	$ (669,325)	$ (3,287,285)	$ (6,604,600)	$ 11,626,188	$ 9,601,704

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 335,788,336	$ 308,954,546	$ 303,979,645	$ 303,310,320	$ 300,023,035	$ 293,418,435	$ 305,044,624
35	Deposit/(Withdrawal) from Operations	$ (95,672,829)	$ (46,671,381)	$ (4,974,900)	$ (669,325)	$ (3,287,285)	$ (6,604,600)	$ 11,626,188	$ 9,601,704
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 481,061,577	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (29,762,821)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (39,675,182)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	19,837,591	19,837,591	-	-	-	-	-	-
41	Ending Year Balance	$ 335,788,336	$ 308,954,546	$ 303,979,645	$ 303,310,320	$ 300,023,035	$ 293,418,435	$ 305,044,624	$ 314,646,327
42	Targeted Working Capital Balance	$ 117,972,254	$ 286,420,364	$ 321,495,703	$ 326,643,962	$ 328,423,936	$ 327,802,565	$ 321,647,168	$ 322,147,734
43	Surplus/(Deficiency)	$ 217,816,082	$ 22,534,181	$ (17,516,058)	$ (23,333,642)	$ (28,400,901)	$ (34,384,130)	$ (16,602,544)	$ (7,501,406)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	3%	-2%	-2%	-3%	-4%	-2%	-1%
45	% Surplus/(Deficiency) to Target	185%	8%	-5%	-7%	-9%	-10%	-5%	-2%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 335,788,336	$ 308,954,546	$ 303,979,645	$ 303,310,320	$ 300,023,035	$ 293,418,435	$ 305,044,624
47	Total Operating Revenues	264,979,213	793,022,161	940,122,920	958,017,998	958,533,645	954,637,607	953,372,166	952,661,368
48	Total Operating Expenses	(310,042,644)	(744,526,213)	(830,717,031)	(842,999,751)	(845,769,460)	(845,261,909)	(827,687,444)	(828,949,511)
49	Contingency/Rate Stabilization Fund	(32,941,930)	(78,932,257)	(87,963,539)	(89,242,241)	(89,496,238)	(89,466,070)	(87,569,288)	(87,702,253)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	411,623,574	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	19,837,591	19,837,591	-	-	-	-	-	-
54	Total Debt Service	(19,837,591)	(19,837,591)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)
55	Total Funds	$ 333,318,213	$ 305,352,028	$ 300,634,074	$ 299,992,830	$ 296,725,229	$ 290,169,843	$ 301,771,048	$ 311,267,140
56	Average Annual Balance	$ 222,212,142	$ 320,570,182	$ 304,794,310	$ 301,986,238	$ 300,017,775	$ 295,096,439	$ 297,594,742	$ 308,155,882
57	Annual Interest Earnings, All Funds	$ 2,470,123	$ 3,602,518	$ 3,345,571	$ 3,317,491	$ 3,297,806	$ 3,248,593	$ 3,273,576	$ 3,379,187
	Year Ending Balance, with Interest	$ 335,788,336	$ 308,954,546	$ 303,979,645	$ 303,310,320	$ 300,023,035	$ 293,418,435	$ 305,044,624	$ 314,646,327
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
59	Deposit from Bond Proceeds	$ 29,762,821	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
62	Average Annual Balance	$ 14,881,411	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
63	Annual Interest Earnings, to Operating Fund	$ 148,814	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 19,837,591	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 39,675,182	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (19,837,591)	$ (19,837,591)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 19,837,591	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 9,918,795	$ 9,918,795	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 99,188	$ 99,188	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 953,825,641	$ 951,387,367	$ 950,900,140	$ 950,664,662	$ 953,286,267	$ 952,968,309	$ 953,551,568	$ 953,999,609
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 953,825,641	$ 951,387,367	$ 950,900,140	$ 950,664,662	$ 953,286,267	$ 952,968,309	$ 953,551,568	$ 953,999,609
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		550,149,552	547,337,796	545,896,280	535,099,100	533,853,987	542,509,586	528,985,374	530,264,176
7	SDG&E Service Charges		5,542,109	5,634,035	5,747,180	5,860,487	5,997,428	6,110,966	6,239,365	6,366,383
8	SDG&E CRS Charges		234,775,171	236,124,490	237,651,657	238,820,916	240,624,175	241,435,928	242,829,145	244,338,521
9	SDG&E Power Franchise Charges		31,798,644	31,636,125	31,552,805	30,928,728	30,856,760	31,357,054	30,575,355	30,649,269
10	ESP Charges		8,514,246	8,485,756	8,486,440	8,484,071	8,512,076	8,503,156	8,511,586	8,514,570
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,063	786,659	797,143	807,861	820,189	830,844	842,495	853,952
15	Uncollectable Accounts		1,793,192	1,788,608	1,787,692	1,787,250	1,792,178	1,791,580	1,792,677	1,793,519
16	**Total Operating Expenses**		$ 840,038,132	$ 838,659,261	$ 838,968,984	$ 829,027,778	$ 829,891,085	$ 840,174,168	$ 827,617,580	$ 830,834,493
17	Contingency/Rate Stabilization Fund		88,881,806	88,718,988	88,737,179	87,647,323	87,722,614	88,827,668	87,452,095	87,785,125
18	**Total Operating Expenses & Contin/Rate Stab**		$ 928,919,938	$ 927,378,249	$ 927,706,163	$ 916,675,102	$ 917,613,699	$ 929,001,836	$ 915,069,675	$ 918,619,618
19	**Net Operating Revenues**		$ 24,905,702	$ 24,009,118	$ 23,193,978	$ 33,989,561	$ 35,672,567	$ 23,966,473	$ 38,481,892	$ 35,379,991
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		3,419,265	3,399,862	3,371,029	3,391,809	3,475,902	3,510,720	3,560,293	3,667,430
22	Total Non-Operating Revenues (Expenses)		$ 3,311,041	$ 3,399,862	$ 3,127,190	$ 3,391,809	$ 3,374,274	$ 3,510,720	$ 3,530,854	$ 3,667,430
23	**Net Operating Income**		$ 28,216,743	$ 27,408,980	$ 26,321,168	$ 37,381,370	$ 39,046,842	$ 27,477,192	$ 42,012,746	$ 39,047,421
	Debt Service	[3]								
24	Borrowing 1		$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
29	**Debt Service Coverage (Target=1.25)**		0.95	0.92	0.88	1.26	1.31	0.92	1.41	1.31
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (1,546,078)	$ (2,353,841)	$ (3,441,654)	$ 7,618,549	$ 9,284,020	$ (2,285,629)	$ 12,249,925	$ 9,284,600
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (1,546,078)	$ (2,353,841)	$ (3,441,654)	$ 7,618,549	$ 9,284,020	$ (2,285,629)	$ 12,249,925	$ 9,284,600

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 314,646,327	$ 313,100,249	$ 310,746,409	$ 307,304,755	$ 314,923,304	$ 324,207,325	$ 321,921,696	$ 334,171,621
35	Deposit/(Withdrawal) from Operations	$ (1,546,078)	$ (2,353,841)	$ (3,441,654)	$ 7,618,549	$ 9,284,020	$ (2,285,629)	$ 12,249,925	$ 9,284,600
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 313,100,249	$ 310,746,409	$ 307,304,755	$ 314,923,304	$ 324,207,325	$ 321,921,696	$ 334,171,621	$ 343,456,221
42	Targeted Working Capital Balance	$ 326,341,936	$ 326,111,312	$ 326,494,431	$ 323,317,496	$ 323,942,227	$ 327,630,021	$ 323,599,135	$ 324,981,183
43	Surplus/(Deficiency)	$ (13,241,687)	$ (15,364,903)	$ (19,189,676)	$ (8,394,192)	$ 265,098	$ (5,708,325)	$ 10,572,486	$ 18,475,038
44	Ratio of Surplus/(Deficiency) to Revenues	-1%	-2%	-2%	-1%	0%	-1%	1%	2%
45	% Surplus/(Deficiency) to Target	-4%	-5%	-6%	-3%	0%	-2%	3%	6%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 314,646,327	$ 313,100,249	$ 310,746,409	$ 307,304,755	$ 314,923,304	$ 324,207,325	$ 321,921,696	$ 334,171,621
47	Total Operating Revenues	953,825,641	951,387,367	950,900,140	950,664,662	953,286,267	952,968,309	953,551,568	953,999,609
48	Total Operating Expenses	(840,038,132)	(838,659,261)	(838,968,984)	(829,027,778)	(829,891,085)	(840,174,168)	(827,617,580)	(830,834,493)
49	Contingency/Rate Stabilization Fund	(88,881,806)	(88,718,988)	(88,737,179)	(87,647,323)	(87,722,614)	(88,827,668)	(87,452,095)	(87,785,125)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)	(29,762,821)
55	Total Funds	$ 309,680,985	$ 307,346,546	$ 303,933,726	$ 311,531,495	$ 320,731,423	$ 318,410,976	$ 330,611,327	$ 339,788,791
56	Average Annual Balance	$ 312,163,656	$ 310,223,398	$ 307,340,067	$ 309,418,125	$ 317,827,363	$ 321,309,150	$ 326,266,512	$ 336,980,206
57	Annual Interest Earnings, All Funds	$ 3,419,265	$ 3,399,862	$ 3,371,029	$ 3,391,809	$ 3,475,902	$ 3,510,720	$ 3,560,293	$ 3,667,430
	Year Ending Balance, with Interest	$ 313,100,249	$ 310,746,409	$ 307,304,755	$ 314,923,304	$ 324,207,325	$ 321,921,696	$ 334,171,621	$ 343,456,221
	Bond Reserve Fund								
58	Beginning Year Balance	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
62	Average Annual Balance	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
63	Annual Interest Earnings, to Operating Fund	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628	$ 297,628
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,164,579	5,040,904	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,471	340,726	475,443	474,863	475,267
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	218,533,767	505,222,035	551,710,866	557,398,443	554,807,420
5	SDG&E Service Charges	2,940,327	4,884,795	4,946,507	5,039,288	5,144,447
6	SDG&E CRS Charges	72,556,191	192,483,636	225,392,996	231,388,988	236,625,381
7	SDG&E Power Franchise Charges	12,631,252	29,201,834	31,888,888	32,217,630	32,067,869
8	ESP Charges	206,481	6,133,072	8,557,970	8,547,540	8,554,813
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,474	552,324	729,285	735,656	743,515
13	Uncollectable Accounts	$ 498,161	$ 1,490,882	$ 1,767,431	$ 1,801,074	$ 1,802,043
14	**Total Operating Expenses**	$ 310,042,644	$ 744,526,213	$ 830,717,031	$ 842,999,751	$ 845,769,460
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	19,837,591	19,837,591	29,762,821	29,762,821	29,762,821
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 20,137,591	$ 19,837,591	$ 29,762,821	$ 29,762,821	$ 29,853,037
19	**Total Operating & Non-Operating Expenses**	**$ 330,180,235**	**$ 764,363,804**	**$ 860,479,852**	**$ 872,762,573**	**$ 875,622,497**
20	Contingency/Rate Stabilization Fund	$ 32,941,930	$ 78,932,257	$ 87,963,539	$ 89,242,241	$ 89,496,238
21	**Total Expenses Incl. Contingency**	$ 363,122,165	$ 843,296,061	$ 948,443,391	$ 962,004,814	$ 965,118,736

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,907	472,621	472,247	473,014	471,431	471,469
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	557,129,266	541,414,693	542,176,958	550,149,552	547,337,796	545,896,280
5	SDG&E Service Charges	5,221,272	5,322,483	5,424,629	5,542,109	5,634,035	5,747,180
6	SDG&E CRS Charges	233,470,303	232,252,692	232,437,143	234,775,171	236,124,490	237,651,657
7	SDG&E Power Franchise Charges	32,202,072	31,293,769	31,337,828	31,798,644	31,636,125	31,552,805
8	ESP Charges	8,512,321	8,507,183	8,500,439	8,514,246	8,485,756	8,486,440
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,732	758,640	767,644	778,063	786,659	797,143
13	Uncollectable Accounts	$ 1,794,719	$ 1,792,340	$ 1,791,003	$ 1,793,192	$ 1,788,608	$ 1,787,692
14	**Total Operating Expenses**	$ 845,261,909	$ 827,687,444	$ 828,949,511	$ 840,038,132	$ 838,659,261	$ 838,968,984
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	29,762,821	29,762,821	29,762,821	29,762,821	29,762,821	29,762,821
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 29,762,821	$ 29,762,821	$ 29,787,086	$ 29,871,045	$ 29,762,821	$ 30,006,660
19	**Total Operating & Non-Operating Expenses**	**$ 875,024,730**	**$ 857,450,265**	**$ 858,736,597**	**$ 869,909,178**	**$ 868,422,082**	**$ 868,975,644**
20	Contingency/Rate Stabilization Fund	$ 89,466,070	$ 87,569,288	$ 87,702,253	$ 88,881,806	$ 88,718,988	$ 88,737,179
21	**Total Expenses Incl. Contingency**	$ 964,490,800	$ 945,019,554	$ 946,438,851	$ 958,790,984	$ 957,141,070	$ 957,712,823

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,337	472,893	472,398	472,866	473,032
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	535,099,100	533,853,987	542,509,586	528,985,374	530,264,176
5	SDG&E Service Charges	5,860,487	5,997,428	6,110,966	6,239,365	6,366,383
6	SDG&E CRS Charges	238,820,916	240,624,175	241,435,928	242,829,145	244,338,521
7	SDG&E Power Franchise Charges	30,928,728	30,856,760	31,357,054	30,575,355	30,649,269
8	ESP Charges	8,484,071	8,512,076	8,503,156	8,511,586	8,514,570
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,861	820,189	830,844	842,495	853,952
13	Uncollectable Accounts	$ 1,787,250	$ 1,792,178	$ 1,791,580	$ 1,792,677	$ 1,793,519
14	**Total Operating Expenses**	$ 829,027,778	$ 829,891,085	$ 840,174,168	$ 827,617,580	$ 830,834,493
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	29,762,821	29,762,821	29,762,821	29,762,821	29,762,821
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 29,762,821	$ 29,864,449	$ 29,762,821	$ 29,792,261	$ 29,762,821
19	**Total Operating & Non-Operating Expenses**	**$ 858,790,599**	**$ 859,755,534**	**$ 869,936,989**	**$ 857,409,841**	**$ 860,597,314**
20	Contingency/Rate Stabilization Fund	$ 87,647,323	$ 87,722,614	$ 88,827,668	$ 87,452,095	$ 87,785,125
21	**Total Expenses Incl. Contingency**	$ 946,437,923	$ 947,478,148	$ 958,764,657	$ 944,861,936	$ 948,382,439

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 206,481	$ 6,133,072	$ 8,557,970	$ 8,547,540	$ 8,554,813	$ 8,512,321
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 206,481	$ 6,133,072	$ 8,557,970	$ 8,547,540	$ 8,554,813	$ 8,512,321
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	137,654	4,088,715	5,705,314	5,698,360	5,703,208	5,674,881
4		Opt-up to 100%	-		-	-	-	-
5		**Total Customer Accounts Billing Determinants**	137,654	4,088,715	5,705,314	5,698,360	5,703,208	5,674,881
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,164,579	5,040,904	5,669,360	5,662,239	5,667,334	5,638,654
6		Opt-up to 100%	-	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,164,579	5,040,904	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,507,183	$ 8,500,439	$ 8,514,246	$ 8,485,756	$ 8,486,440	$ 8,484,071
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 8,507,183	$ 8,500,439	$ 8,514,246	$ 8,485,756	$ 8,486,440	$ 8,484,071
		Customer Accounts Billing Determinants						
4		Baseload	5,671,455	5,666,959	5,676,164	5,657,171	5,657,627	5,656,047
4		Opt-up to 100%	-	-	-	-	-	-
5		**Total Customer Accounts Billing Determinants**	5,671,455	5,666,959	5,676,164	5,657,171	5,657,627	5,656,047
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
6		Opt-up to 100%	-	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,512,076	$ 8,503,156	$ 8,511,586	$ 8,514,570	$ 125,531,719
2		Opt-up to 100%	$ -	$ -	$ -	$ -	$ -
3		**Total Projected ESP Costs**	$ 8,512,076	$ 8,503,156	$ 8,511,586	$ 8,514,570	$ 125,531,719
		Customer Accounts Billing Determinants					
4		Baseload	5,674,717	5,668,771	5,674,391	5,676,380	83,687,812
4		Opt-up to 100%	-	-	-	-	-
5		**Total Customer Accounts Billing Determinants**	5,674,717	5,668,771	5,674,391	5,676,380	83,687,812
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,638,607	5,632,553	5,637,888	5,640,004	86,160,788
6		Opt-up to 100%	-	-	-	-	-
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,160,788
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 132,489,606	$ 264,659,967	$ 528,681,441	$ 915,606,127	$ 1,841,437,141
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 63,717,275	$ 69,924,623	$ 181,056,136	$ 262,228,391	$ 576,926,425
4	Power Procurement	$ 159,387,660	$ 174,345,793	$ 390,022,350	$ 551,710,866	$ 1,275,466,669
5	Total ESP Charges	$ 74,824	$ 405,026	$ 5,859,704	$ 8,557,970	$ 14,897,524
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,443	$ 1,986,412	$ 3,103,862	$ 5,701,724	$ 12,095,440
8	**Subtotal Expenses**	$ 225,106,327	$ 247,008,103	$ 580,465,384	$ 828,387,890	$ 1,880,967,705
9	Contingency	$ 6,571,867	$ 7,266,231	$ 19,044,303	$ 27,667,702	60,550,104
10	**Total Expenses**	$ 231,678,193	$ 254,274,334	$ 599,509,688	$ 856,055,592	$ 1,941,517,808
11	Cash Flow	$ (99,188,587)	$ 10,385,632	$ (70,828,247)	$ 59,550,534	$ (100,080,667)
12	Cumulative Cash Flow	$ (99,188,587)	$ (88,802,955)	$ (159,631,202)	$ (100,080,667)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 4 - 100% RPS 95% CI

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,406	-	237,877	-	$ 600,000	$ -
2	I	2020	Jun	8,012	-	252,329	-	$ -	$ -
3	I	2020	Jul	8,604	-	271,537	-	$ -	$ -
4	I	2020	Aug	8,293	-	261,977	-	$ -	$ -
5	I	2020	Sep	9,362	-	296,384	-	$ -	$ -
6	I	2020	Oct	8,204	-	259,202	-	$ -	$ -
7	II	2020	Nov	44,944	-	298,431	-	$ 300,000	$ -
8	II	2020	Dec	42,828	-	286,841	-	$ -	$ -
9	II	2021	Jan	46,152	-	288,902	-	$ -	$ -
10	II	2021	Feb	45,345	-	290,170	-	$ -	$ -
11	II	2021	Mar	45,366	-	286,149	-	$ -	$ -
12	II	2021	Apr	45,383	-	285,989	-	$ -	$ -
13	III	2021	May	418,555	-	436,825	-	$ 300,000	$ -
14	III	2021	Jun	429,451	-	456,771	-	$ -	$ -
15	III	2021	Jul	490,379	-	502,264	-	$ -	$ -
16	III	2021	Aug	506,489	-	499,349	-	$ -	$ -
17	III	2021	Sep	610,866	-	577,819	-	$ -	$ -
18	III	2021	Oct	515,407	-	497,917	-	$ -	$ -
19	III	2021	Nov	454,236	-	459,467	-	$ -	$ -
20	III	2021	Dec	481,085	-	459,281	-	$ -	$ -
21		2022	Jan	526,026	-	477,247	-	$ -	$ -
22		2022	Feb	439,743	-	444,402	-	$ -	$ -
23		2022	Mar	431,408	-	436,506	-	$ -	$ -
24		2022	Apr	406,163	-	426,013	-	$ -	$ -
25		2022	May	420,683	-	439,045	-	$ -	$ -
26		2022	Jun	428,444	-	455,700	-	$ -	$ -
27		2022	Jul	486,976	-	498,778	-	$ -	$ -
28		2022	Aug	507,931	-	500,771	-	$ -	$ -
29		2022	Sep	610,583	-	577,552	-	$ -	$ -
30		2022	Oct	514,382	-	496,926	-	$ -	$ -
31		2022	Nov	452,689	-	457,902	-	$ -	$ -
32		2022	Dec	480,286	-	458,519	-	$ -	$ -
		Total						$ 1,200,000	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 4 - 100% RPS 95

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,422,399	$ 8,016,065	$ 1,297,177	$ 10,735,641	$ -
2	I	2020	Jun	$ 6,677	$ 8,452,294	$ 1,479,357	$ 9,938,328	$ -
3	I	2020	Jul	$ 7,170	$ 9,109,591	$ 1,558,132	$ 10,674,893	$ -
4	I	2020	Aug	$ 6,911	$ 8,800,986	$ 1,655,938	$ 10,463,835	$ -
5	I	2020	Sep	$ 7,801	$ 9,959,775	$ 1,698,869	$ 11,666,446	$ -
6	I	2020	Oct	$ 6,837	$ 8,708,161	$ 1,523,133	$ 10,238,132	$ -
7	II	2020	Nov	$ 1,446,841	$ 9,951,012	$ 1,711,316	$ 13,109,169	$ -
8	II	2020	Dec	$ 35,690	$ 9,558,307	$ 1,707,329	$ 11,301,325	$ -
9	II	2021	Jan	$ 39,230	$ 9,714,596	$ 1,695,471	$ 11,449,296	$ -
10	II	2021	Feb	$ 38,543	$ 9,755,526	$ 1,693,991	$ 11,488,060	$ -
11	II	2021	Mar	$ 38,561	$ 9,620,830	$ 1,612,017	$ 11,271,408	$ -
12	II	2021	Apr	$ 38,575	$ 9,609,727	$ 1,657,062	$ 11,305,365	$ -
13	III	2021	May	$ 1,765,159	$ 17,153,059	$ 2,347,087	$ 21,265,305	$ -
14	III	2021	Jun	$ 365,034	$ 17,838,403	$ 2,845,708	$ 21,049,144	$ -
15	III	2021	Jul	$ 416,822	$ 19,749,505	$ 3,039,936	$ 23,206,263	$ -
16	III	2021	Aug	$ 430,516	$ 19,775,094	$ 2,906,008	$ 23,111,619	$ -
17	III	2021	Sep	$ 519,236	$ 23,064,632	$ 3,379,477	$ 26,963,345	$ -
18	III	2021	Oct	$ 438,096	$ 19,796,337	$ 2,935,520	$ 23,169,954	$ -
19	III	2021	Nov	$ 386,101	$ 18,115,053	$ 2,634,275	$ 21,135,429	$ -
20	III	2021	Dec	$ 408,922	$ 18,290,876	$ 2,455,280	$ 21,155,079	$ -
21		2022	Jan	$ 456,064	$ 19,278,858	$ 2,699,678	$ 22,434,600	$ -
22		2022	Feb	$ 381,257	$ 17,602,959	$ 2,409,866	$ 20,394,082	$ -
23		2022	Mar	$ 374,030	$ 17,282,870	$ 2,416,355	$ 20,073,256	$ -
24		2022	Apr	$ 352,143	$ 16,756,678	$ 2,508,343	$ 19,617,165	$ -
25		2022	May	$ 364,732	$ 17,337,010	$ 2,460,664	$ 20,162,406	$ -
26		2022	Jun	$ 371,461	$ 17,896,324	$ 2,478,693	$ 20,746,478	$ -
27		2022	Jul	$ 422,208	$ 19,722,745	$ 2,830,553	$ 22,975,505	$ -
28		2022	Aug	$ 440,377	$ 19,943,330	$ 2,862,828	$ 23,246,535	$ -
29		2022	Sep	$ 529,376	$ 23,184,650	$ 3,338,888	$ 27,052,913	$ -
30		2022	Oct	$ 445,969	$ 19,868,696	$ 2,863,794	$ 23,178,459	$ -
31		2022	Nov	$ 392,481	$ 18,154,957	$ 2,617,349	$ 21,164,787	$ -
32		2022	Dec	$ 416,408	$ 18,363,918	$ 2,401,878	$ 21,182,205	$ -
		Total		$ 12,771,629	$ 490,432,823	$ 73,721,973	$ 576,926,425	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 4 - 100% RPS 95

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 22,442,502	$ -	$ 11,109	$ -	$ 3,854	$ -	$ 217,240	$ -
2	I	2020	Jun	$ 25,594,410	$ -	$ 12,019	$ -	$ 3,854	$ -	$ 217,240	$ -
3	I	2020	Jul	$ 26,957,302	$ -	$ 12,907	$ -	$ 3,854	$ -	$ 217,240	$ -
4	I	2020	Aug	$ 28,649,455	$ -	$ 12,440	$ -	$ 3,854	$ -	$ 217,240	$ -
5	I	2020	Sep	$ 29,392,203	$ -	$ 14,042	$ -	$ 3,854	$ -	$ 217,240	$ -
6	I	2020	Oct	$ 26,351,789	$ -	$ 12,307	$ -	$ 3,854	$ -	$ 217,240	$ -
7	II	2020	Nov	$ 29,607,550	$ -	$ 67,416	$ -	$ 7,708	$ -	$ 217,240	$ -
8	II	2020	Dec	$ 29,538,557	$ -	$ 64,241	$ -	$ 7,708	$ -	$ 217,240	$ -
9	II	2021	Jan	$ 29,333,406	$ -	$ 69,229	$ -	$ 7,708	$ -	$ 387,983	$ -
10	II	2021	Feb	$ 29,307,806	$ -	$ 68,017	$ -	$ 7,708	$ -	$ 387,983	$ -
11	II	2021	Mar	$ 27,889,574	$ -	$ 68,048	$ -	$ 7,708	$ -	$ 387,983	$ -
12	II	2021	Apr	$ 28,668,900	$ -	$ 68,074	$ -	$ 7,708	$ -	$ 387,983	$ -
13	III	2021	May	$ 40,607,035	$ -	$ 627,832	$ -	$ 15,417	$ -	$ 387,983	$ -
14	III	2021	Jun	$ 49,233,697	$ -	$ 644,177	$ -	$ 15,417	$ -	$ 387,983	$ -
15	III	2021	Jul	$ 52,594,055	$ -	$ 735,568	$ -	$ 15,417	$ -	$ 387,983	$ -
16	III	2021	Aug	$ 50,276,962	$ -	$ 759,734	$ -	$ 15,417	$ -	$ 387,983	$ -
17	III	2021	Sep	$ 58,468,468	$ -	$ 916,299	$ -	$ 15,417	$ -	$ 387,983	$ -
18	III	2021	Oct	$ 50,787,543	$ -	$ 773,111	$ -	$ 15,417	$ -	$ 387,983	$ -
19	III	2021	Nov	$ 45,575,691	$ -	$ 681,354	$ -	$ 15,417	$ -	$ 387,983	$ -
20	III	2021	Dec	$ 42,478,899	$ -	$ 721,628	$ -	$ 15,417	$ -	$ 387,983	$ -
21		2022	Jan	$ 46,707,240	$ -	$ 789,039	$ -	$ 15,745	$ -	$ 475,144	$ -
22		2022	Feb	$ 41,693,179	$ -	$ 659,615	$ -	$ 15,745	$ -	$ 475,144	$ -
23		2022	Mar	$ 41,805,455	$ -	$ 647,111	$ -	$ 15,745	$ -	$ 475,144	$ -
24		2022	Apr	$ 43,396,934	$ -	$ 609,245	$ -	$ 15,745	$ -	$ 475,144	$ -
25		2022	May	$ 42,572,033	$ -	$ 631,024	$ -	$ 15,745	$ -	$ 475,144	$ -
26		2022	Jun	$ 42,883,957	$ -	$ 642,667	$ -	$ 15,745	$ -	$ 475,144	$ -
27		2022	Jul	$ 48,971,497	$ -	$ 730,463	$ -	$ 15,745	$ -	$ 475,144	$ -
28		2022	Aug	$ 49,529,893	$ -	$ 761,897	$ -	$ 15,745	$ -	$ 475,144	$ -
29		2022	Sep	$ 57,766,225	$ -	$ 915,875	$ -	$ 15,745	$ -	$ 475,144	$ -
30		2022	Oct	$ 49,546,613	$ -	$ 771,573	$ -	$ 15,745	$ -	$ 475,144	$ -
31		2022	Nov	$ 45,282,852	$ -	$ 679,033	$ -	$ 15,745	$ -	$ 475,144	$ -
32		2022	Dec	$ 41,554,988	$ -	$ 720,430	$ -	$ 15,745	$ -	$ 475,144	$ -
		Total		$ 1,275,466,669	$ -	$ 14,897,524	$ -	$ 381,647	$ -	$ 12,095,440	$ -

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 4 - 100% RPS 95

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 34,010,347	$ -	$ 1,156,785	$ -	$ 35,167,132	$ -	$ 35,167,132
2	I	2020	Jun	$ 35,765,851	$ -	$ 1,017,144	$ -	$ 36,782,996	$ -	$ 36,782,996
3	I	2020	Jul	$ 37,866,196	$ -	$ 1,090,889	$ -	$ 38,957,086	$ -	$ 38,957,086
4	I	2020	Aug	$ 39,346,825	$ -	$ 1,069,737	$ -	$ 40,416,562	$ -	$ 40,416,562
5	I	2020	Sep	$ 41,293,786	$ -	$ 1,190,158	$ -	$ 42,483,944	$ -	$ 42,483,944
6	I	2020	Oct	$ 36,823,322	$ -	$ 1,047,153	$ -	$ 37,870,475	$ -	$ 37,870,475
7	II	2020	Nov	$ 43,309,084	$ -	$ 1,370,153	$ -	$ 44,679,237	$ -	$ 44,679,237
8	II	2020	Dec	$ 41,129,072	$ -	$ 1,159,051	$ -	$ 42,288,124	$ -	$ 42,288,124
9	II	2021	Jan	$ 41,247,622	$ -	$ 1,191,422	$ -	$ 42,439,043	$ -	$ 42,439,043
10	II	2021	Feb	$ 41,259,575	$ -	$ 1,195,177	$ -	$ 42,454,751	$ -	$ 42,454,751
11	II	2021	Mar	$ 39,624,721	$ -	$ 1,173,515	$ -	$ 40,798,236	$ -	$ 40,798,236
12	II	2021	Apr	$ 40,438,030	$ -	$ 1,176,913	$ -	$ 41,614,943	$ -	$ 41,614,943
13	III	2021	May	$ 63,203,572	$ -	$ 2,259,654	$ -	$ 65,463,225	$ -	$ 65,463,225
14	III	2021	Jun	$ 71,330,417	$ -	$ 2,209,672	$ -	$ 73,540,089	$ -	$ 73,540,089
15	III	2021	Jul	$ 76,939,285	$ -	$ 2,434,523	$ -	$ 79,373,808	$ -	$ 79,373,808
16	III	2021	Aug	$ 74,551,715	$ -	$ 2,427,475	$ -	$ 76,979,190	$ -	$ 76,979,190
17	III	2021	Sep	$ 86,751,511	$ -	$ 2,828,304	$ -	$ 89,579,815	$ -	$ 89,579,815
18	III	2021	Oct	$ 75,134,007	$ -	$ 2,434,646	$ -	$ 77,568,653	$ -	$ 77,568,653
19	III	2021	Nov	$ 67,795,873	$ -	$ 2,222,018	$ -	$ 70,017,892	$ -	$ 70,017,892
20	III	2021	Dec	$ 64,759,005	$ -	$ 2,228,011	$ -	$ 66,987,016	$ -	$ 66,987,016
21		2022	Jan	$ 70,421,768	$ -	$ 2,371,453	$ -	$ 72,793,220	$ -	$ 72,793,220
22		2022	Feb	$ 63,237,763	$ -	$ 2,154,458	$ -	$ 65,392,222	$ -	$ 65,392,222
23		2022	Mar	$ 63,016,711	$ -	$ 2,121,126	$ -	$ 65,137,836	$ -	$ 65,137,836
24		2022	Apr	$ 64,114,232	$ -	$ 2,071,730	$ -	$ 66,185,962	$ -	$ 66,185,962
25		2022	May	$ 63,856,352	$ -	$ 2,128,432	$ -	$ 65,984,783	$ -	$ 65,984,783
26		2022	Jun	$ 64,763,991	$ -	$ 2,188,003	$ -	$ 66,951,994	$ -	$ 66,951,994
27		2022	Jul	$ 73,168,354	$ -	$ 2,419,686	$ -	$ 75,588,040	$ -	$ 75,588,040
28		2022	Aug	$ 74,029,214	$ -	$ 2,449,932	$ -	$ 76,479,146	$ -	$ 76,479,146
29		2022	Sep	$ 86,225,902	$ -	$ 2,845,968	$ -	$ 89,071,869	$ -	$ 89,071,869
30		2022	Oct	$ 73,987,534	$ -	$ 2,444,092	$ -	$ 76,431,626	$ -	$ 76,431,626
31		2022	Nov	$ 67,617,559	$ -	$ 2,233,471	$ -	$ 69,851,030	$ -	$ 69,851,030
32		2022	Dec	$ 63,948,511	$ -	$ 2,239,352	$ -	$ 66,187,864	$ -	$ 66,187,864
		Total		$ 1,880,967,705	$ -	$ 60,550,104	$ -	$ 1,941,517,808	$ -	$ 1,941,517,808

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 4 - 100% RPS 9

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 411,623,574	$ -	$ 376,456,442	$ 376,456,442
2	I	2020	Jun	$ -	$ -	$ (36,782,996)	339,673,447
3	I	2020	Jul	$ -	$ 33,122,402	$ (5,834,684)	333,838,763
4	I	2020	Aug	$ -	$ 33,122,402	$ (7,294,160)	326,544,602
5	I	2020	Sep	$ -	$ 33,122,402	$ (9,361,542)	317,183,060
6	I	2020	Oct	$ -	$ 33,122,402	$ (4,748,073)	312,434,987
7	II	2020	Nov	$ -	$ 33,122,402	$ (11,556,836)	300,878,151
8	II	2020	Dec	$ -	$ 33,122,402	$ (9,165,722)	291,712,429
9	II	2021	Jan	$ -	$ 33,122,402	$ (9,316,642)	282,395,788
10	II	2021	Feb	$ -	$ 33,122,402	$ (9,332,350)	273,063,438
11	II	2021	Mar	$ -	$ 66,085,180	$ 25,286,944	298,350,382
12	II	2021	Apr	$ -	$ 66,085,180	$ 24,470,237	322,820,619
13	III	2021	May	$ -	$ 66,085,180	$ 621,955	323,442,574
14	III	2021	Jun	$ -	$ 66,085,180	$ (7,454,909)	315,987,665
15	III	2021	Jul	$ -	$ 66,085,180	$ (13,288,628)	302,699,037
16	III	2021	Aug	$ -	$ 66,085,180	$ (10,894,010)	291,805,028
17	III	2021	Sep	$ -	$ 66,085,180	$ (23,494,635)	268,310,393
18	III	2021	Oct	$ -	$ 66,085,180	$ (11,483,473)	256,826,920
19	III	2021	Nov	$ -	$ 66,085,180	$ (3,932,711)	252,894,208
20	III	2021	Dec	$ -	$ 66,085,180	$ (901,836)	251,992,372
21		2022	Jan	$ -	$ 66,085,180	$ (6,708,040)	245,284,332
22		2022	Feb	$ -	$ 66,085,180	$ 692,958	245,977,290
23		2022	Mar	$ -	$ 78,343,577	$ 13,205,740	259,183,030
24		2022	Apr	$ -	$ 78,343,577	$ 12,157,615	271,340,645
25		2022	May	$ -	$ 78,343,577	$ 12,358,793	283,699,439
26		2022	Jun	$ -	$ 78,343,577	$ 11,391,583	295,091,021
27		2022	Jul	$ -	$ 78,343,577	$ 2,755,537	297,846,558
28		2022	Aug	$ -	$ 78,343,577	$ 1,864,431	299,710,989
29		2022	Sep	$ -	$ 78,343,577	$ (10,728,293)	288,982,697
30		2022	Oct	$ -	$ 78,343,577	$ 1,911,951	290,894,647
31		2022	Nov	$ -	$ 78,343,577	$ 8,492,546	299,387,194
32		2022	Dec	$ -	$ 78,343,577	$ 12,155,713	311,542,907
		Total		$ 411,623,574	$ 1,841,437,141	$ 311,542,907	$ 9,428,251,055

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

328,175,676	Operating Costs, Average 5 Months for First Two Full Years
83,447,898	Average Annual Rate Stabilization Funding for First Two Full Years
411,623,574	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										411,623,574	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 411,623,574	$ 14,878,193	$ 29,762,821	$ 39,675,182	$ 495,939,770	$ 19,837,591	$ 19,837,591	$ 29,762,821	$ 29,762,821
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 19,837,591**	**$ 19,837,591**	**$ 29,762,821**	**$ 29,762,821**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 29,762,821	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821	$ 29,762,821
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 29,762,821	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**	**$ 29,762,821**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Scenario 4 - 100% RPS 95% CI

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,034	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,911	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	87,437	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,673	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	122,420																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 4 - 100% RPS 95% CI**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

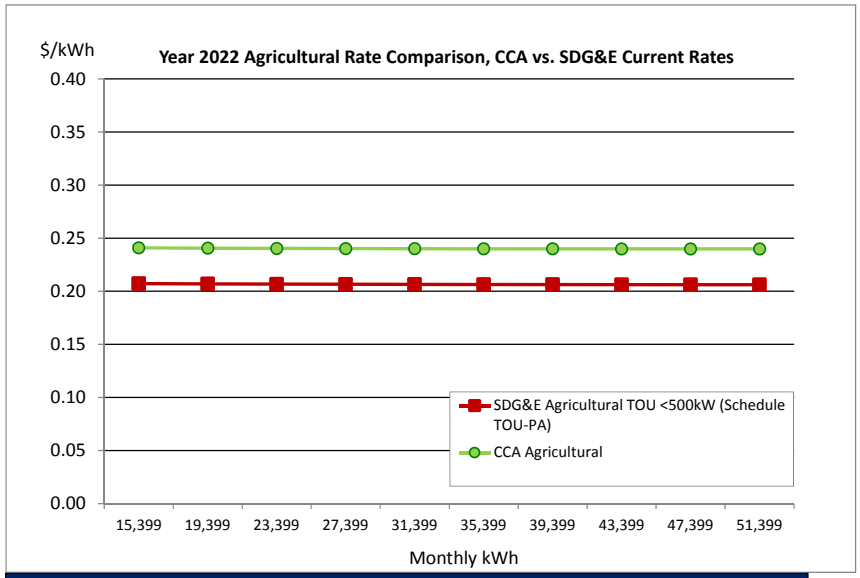
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.86	-	-	-	-	(4.26)	(261.86)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,422 kWh	0.1807	0.0901	0.0055	0.2763	2,050.61	0.0891	0.2100	0.2991	2,220.19	0.0228	169.58
Semi-Peak Energy, $/kWh	9,543 kWh	0.1414	0.0901	0.0055	0.2370	2,261.30	0.0891	0.2100	0.2991	2,854.54	0.0622	593.24
Off-Peak Energy, $/kWh	18,507 kWh	0.0995	0.0901	0.0055	0.1951	3,610.76	0.0891	0.2100	0.2991	5,536.07	0.1040	1,925.31
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	446.96	0.0891	0.0729	0.1620	391.38	(0.0230)	(55.58)
Semi-Peak Energy, $/kWh	10,467 kWh	0.0765	0.0901	0.0055	0.1722	1,801.96	0.0891	0.0729	0.1620	1,696.00	(0.0101)	(105.97)
Off-Peak Energy, $/kWh	14,443 kWh	0.0587	0.0901	0.0055	0.1543	2,228.17	0.0891	0.0729	0.1620	2,340.15	0.0078	111.98
Average Monthly Bill ($)						6,708.12				7,943.13		1,235.01
											Percentage Change	**18.4%**

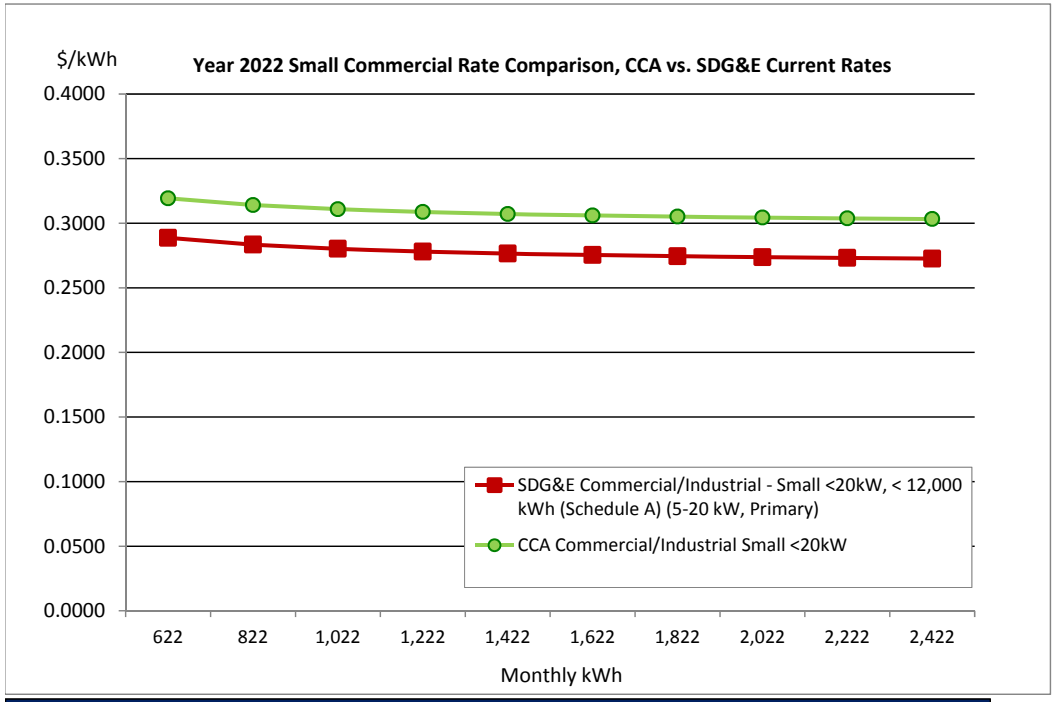


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.77	0.1358	0.2300	0.3658	540.01	0.0611	90.24
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0884	0.2242	306.62	(0.0023)	(3.14)
Average Monthly Bill ($)						395.88				441.22		45.34
											Percentage Change	**11.5%**

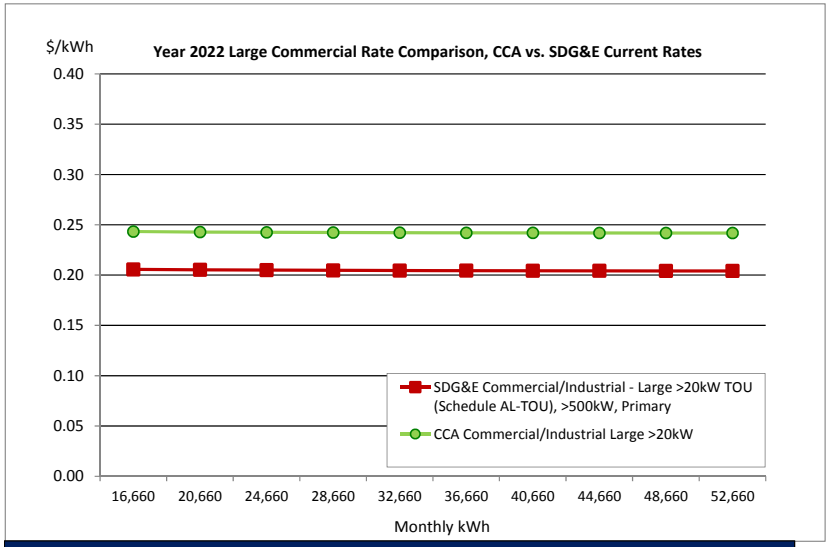


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.52	27.67	-	27.67	1,768.52	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.81	11.50	-	11.50	735.09	(12.54)	(801.72)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.69	8.71	-	8.71	556.69	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,106.98	0.0034	0.2300	0.2334	1,677.44	0.0794	570.46
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.23	0.0034	0.2300	0.2334	2,156.71	0.0912	842.48
Off-Peak Energy, $/kWh	17,921 kWh	0.0943	0.0049	0.0055	0.1047	1,876.25	0.0034	0.2300	0.2334	4,182.71	0.1287	2,306.46
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.10	0.0034	0.0904	0.0938	256.77	(0.0458)	(125.34)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.51	0.0034	0.0904	0.0938	1,112.65	(0.0269)	(318.86)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.04	0.0034	0.0904	0.0938	1,535.25	(0.0008)	(13.79)
Average Monthly Bill ($)						6,705.88				8,043.81		1,337.93
											Percentage Change	**20.0%**

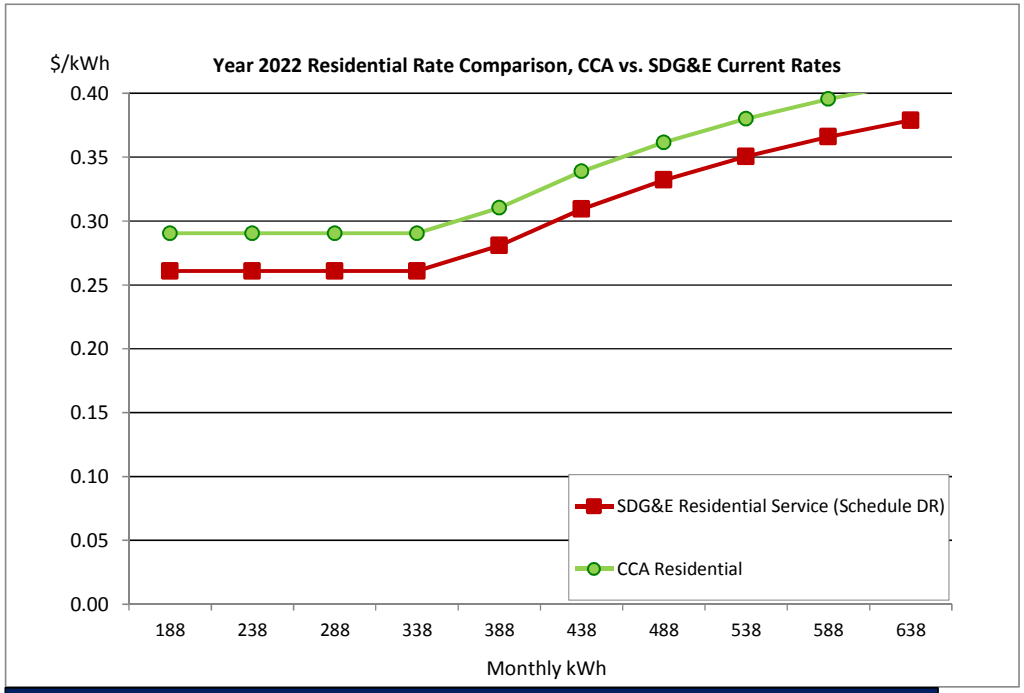


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2500	0.3265	117.16	0.0536	19.22
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.88	0.3570	0.2500	0.6070	27.29	0.0536	2.41
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.1073	0.2513	90.67	0.0035	1.27
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.18	0.4032	0.1073	0.5105	6.22	0.0035	0.04
Average Monthly Bill ($)						109.74				121.62		11.88
											Percentage Change	**10.8%**

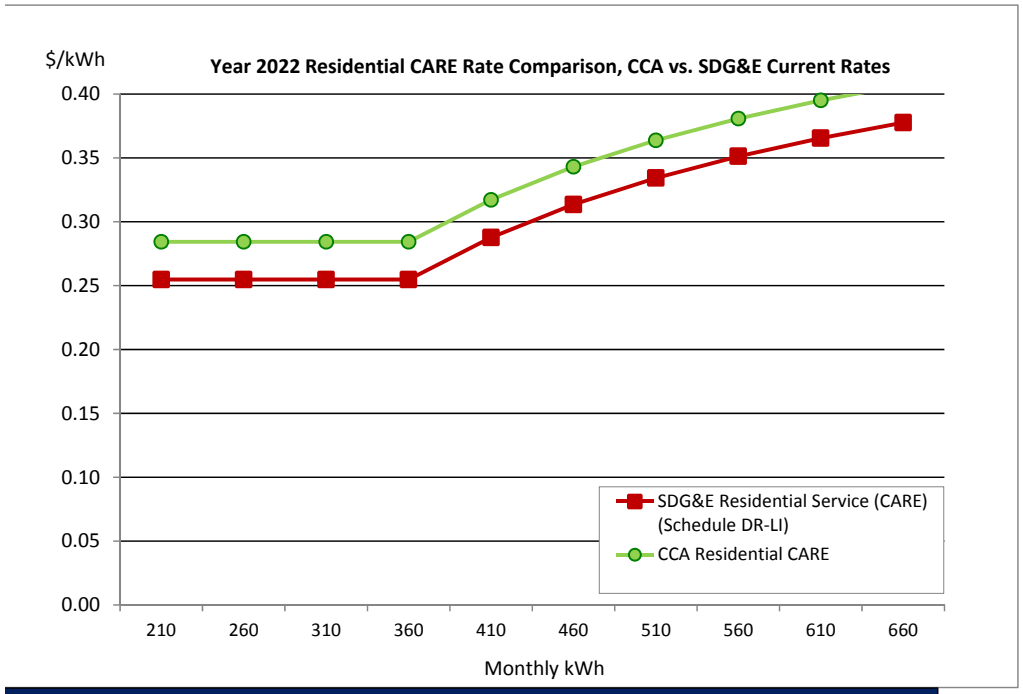


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2500	0.3259	116.95	0.0591	21.19
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.73	0.3564	0.2500	0.6064	40.70	0.0591	3.96
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0959	0.2393	86.35	(0.0024)	(0.86)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.35	0.4026	0.0959	0.4985	16.28	(0.0024)	(0.08)
Average Monthly Bill ($)						118.60				131.22		12.63
											Percentage Change	**10.6%**

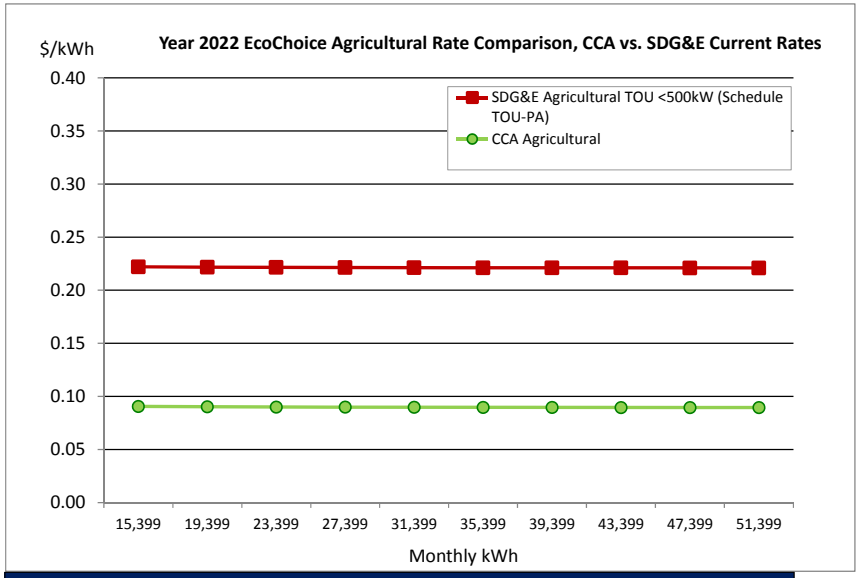


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.55	-	-	-	-	(4.0288)	(247.55)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,422 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,163.95	0.0891	-	0.0891	661.53	(0.2024)	(1,502.41)
Semi-Peak Energy, $/kWh	9,543 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.01	0.0891	-	0.0891	850.54	(0.1631)	(1,556.47)
Off-Peak Energy, $/kWh	18,507 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.36	0.0891	-	0.0891	1,649.54	(0.1212)	(2,243.82)
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.85	0.0891	-	0.0891	215.29	(0.1112)	(268.55)
Semi-Peak Energy, $/kWh	10,467 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,961.80	0.0891	-	0.0891	932.94	(0.0983)	(1,028.86)
Off-Peak Energy, $/kWh	14,443 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,448.72	0.0891	-	0.0891	1,287.27	(0.0804)	(1,161.44)
Average Monthly Bill ($)							7,181.35				2,868.54		(4,312.80)
												Percentage Change	**-60.1%**

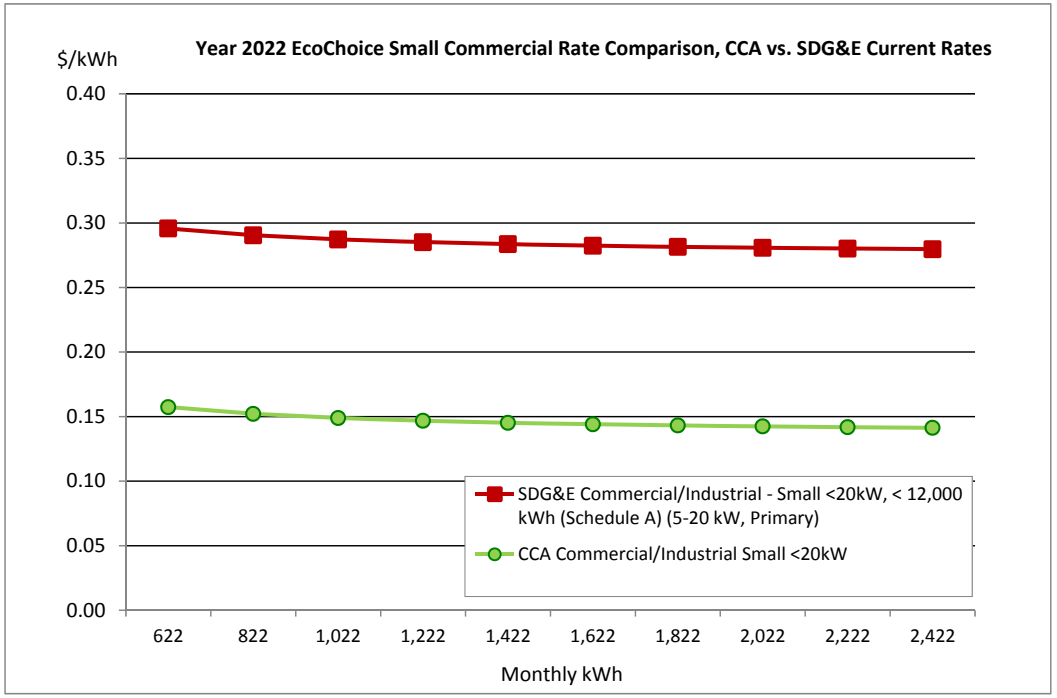


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.19	0.1358	-	0.1358	200.47	(0.1759)	(259.72)
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.41	0.1358	-	0.1358	185.72	(0.0978)	(133.69)
Average Monthly Bill ($)							405.93				206.82		(199.11)
												Percentage Change	**-49.1%**

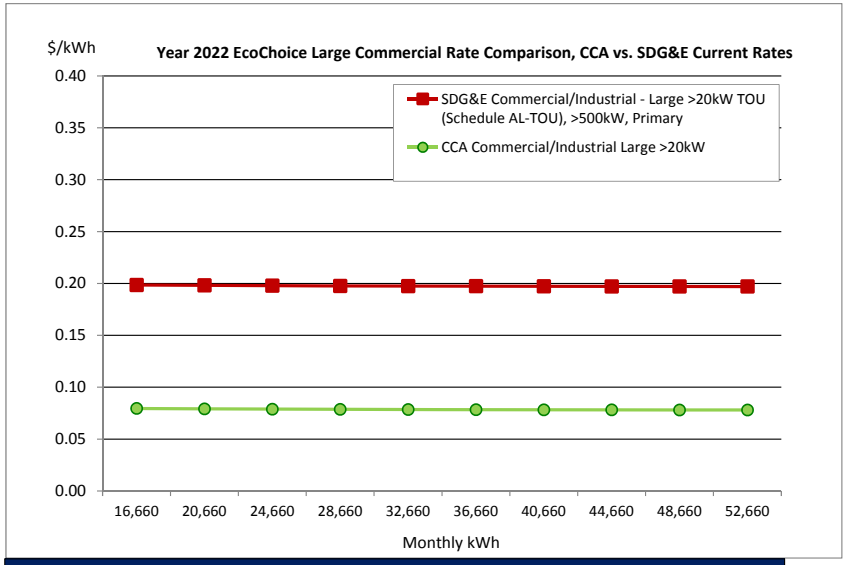


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.52	27.67	-	27.67	1,768.52	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.15	11.50	-	11.50	735.09	(13.27)	(848.06)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.69	8.71	-	8.71	556.69	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.34	0.0034	-	0.0034	24.37	(0.1427)	(1,025.97)
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.41	0.0034	-	0.0034	31.34	(0.1309)	(1,210.07)
Off-Peak Energy, $/kWh	17,921 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.03	0.0034	-	0.0034	60.77	(0.0934)	(1,674.25)
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.53	0.0034	-	0.0034	9.28	(0.1283)	(351.25)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.03	0.0034	-	0.0034	40.23	(0.1094)	(1,297.80)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.05	0.0034	-	0.0034	55.51	(0.0834)	(1,364.55)
Average Monthly Bill ($)							6,471.00				2,561.82		(3,909.18)
												Percentage Change	**-60.4%**

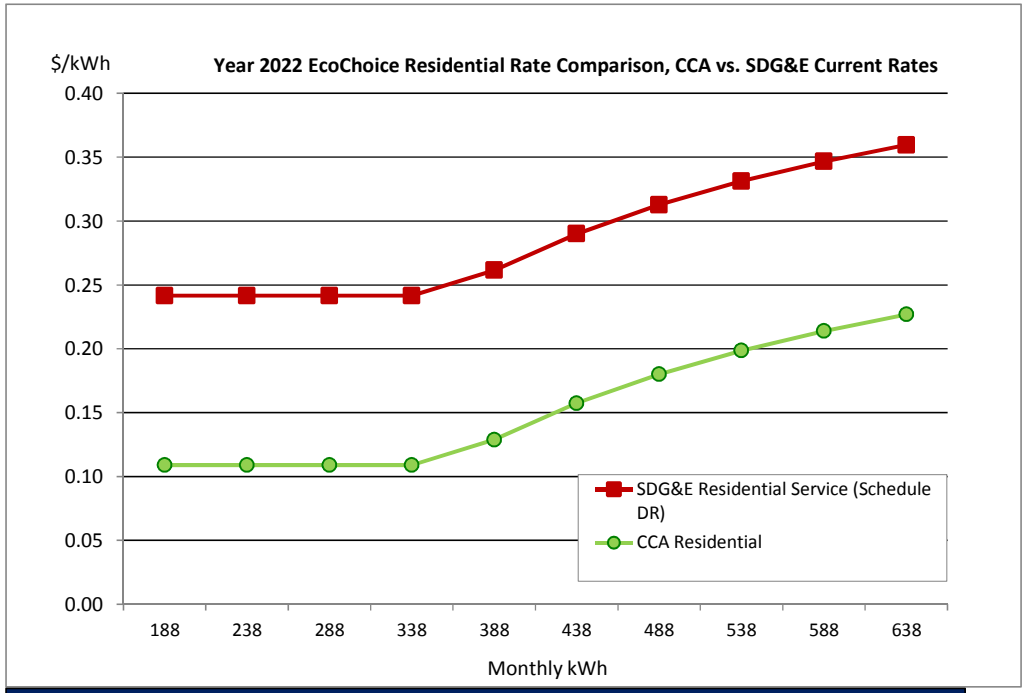


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	-	0.0765	27.46	(0.1771)	(63.54)
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.02	0.3570	-	0.3570	16.05	(0.1771)	(7.96)
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	-	0.1440	51.96	(0.0845)	(30.47)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	-	0.4032	4.91	(0.0845)	(1.03)
Average Monthly Bill ($)							102.23				49.93		(52.30)
												Percentage Change	**-51.2%**

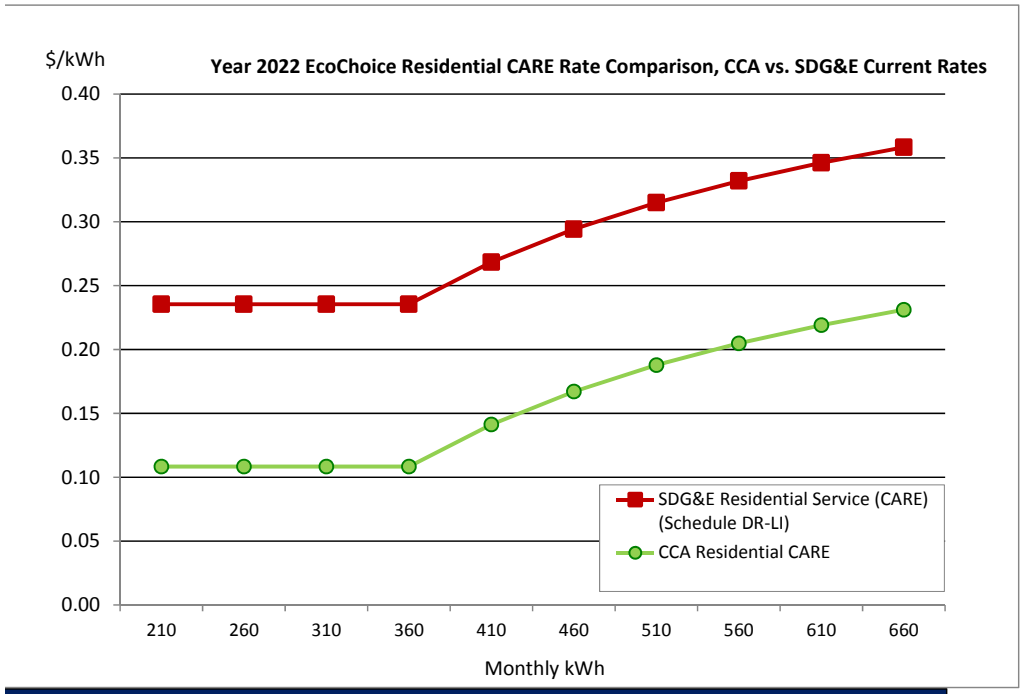


Scenario 4 - 100% RPS 95% CI

Scenario: Scenario 4 - 100% RPS 95% CI

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	-	0.0759	27.25	(0.1716)	(61.57)
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.44	0.3564	-	0.3564	23.92	(0.1716)	(11.52)
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	-	0.1434	51.75	(0.0790)	(28.49)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.72	0.4026	-	0.4026	13.14	(0.0790)	(2.58)
Average Monthly Bill ($)							110.67				57.76		(52.91)
												Percentage Change	**-47.8%**



Scenario 4 - 100% RPS 95% CI

PRO FORMA OUTPUTS

SCENARIO 5

80% RPS 2% OPT UP TO 100%

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: **Scenario 5 - 80% RPS 2% Opt Up to 100%**

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	8,097,967
4	Total Non-Operating Expenses		27,157,733
5	Power Costs		755,650,755
6	Contingency/Rate Stabilization Fund		80,904,227
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**871,810,682**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	165,265
10	Total Non-Operating Expenses		554,239
11	Power Costs		16,934,480
12	Contingency/Rate Stabilization Fund		1,651,107
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**19,305,091**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**891,115,773**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,400
3	Outdoor Lighting Small <20kW	330	23,847	6,028
4	Commercial/Industrial Small <20kW	38,255	652,770	1,422
5	Commercial/Industrial Large >20kW	7,329	2,872,336	32,660
6	Residential	324,848	1,513,897	388
7	Residential CARE	88,019	432,702	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**459,866**	**5,552,985**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	664	11,333	1,422
14	Commercial/Industrial Large >20kW	87	33,998	32,660
15	Residential	14,590	67,996	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**15,341**	**113,326**	**34,470**
19	**TOTAL CCA**	**475,207**	**5,666,311**	**34,470**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1900	0.0711	0.2000	0.0811
2	Outdoor Lighting Small <20kW	0.1600	0.0794	0.1700	0.0894
3	Commercial/Industrial Small <20kW	0.2100	0.0849	0.2200	0.0949
4	Commercial/Industrial Large >20kW	0.2100	0.0871	0.2200	0.0971
5	Residential	0.2400	0.0930	0.2500	0.1030
6	Residential CARE	0.2300	0.0924	0.2400	0.1024
7	Residential Outdoor Lighting	0.1600	0.0737	0.1700	0.0837

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Scenario 5 - 80% RPS 2% Opt Up to 100% with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,237	55,830	55,733	55,665	55,697
2	Outdoor Lighting Small <20kW	15,225	23,901	23,860	23,824	23,858
3	Commercial/Industrial Small <20kW	101,127	654,175	653,102	652,289	652,920
4	Commercial/Industrial Large >20kW	1,982,472	2,878,604	2,873,860	2,870,285	2,872,863
5	Residential	-	1,038,640	1,514,740	1,512,809	1,514,143
6	Residential CARE	-	296,874	432,942	432,390	432,772
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,139,061	4,949,195	5,555,972	5,548,994	5,553,988
	Scenario 5 - 80% RPS 2% Opt Up to 100% with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,834	11,357	11,339	11,324	11,335
12	Commercial/Industrial Large >20kW	23,376	34,071	34,016	33,973	34,004
13	Residential	-	46,689	68,032	67,947	68,008
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	25,210	92,117	113,387	113,245	113,347
17	**Total MWh**	**2,164,271**	**5,041,312**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 5,563,296	$ 7,719,250	$ 7,705,760	$ 7,696,355	$ 7,700,823
20	Outdoor Lighting Small <20kW	1,771,176	2,780,490	2,775,801	2,771,583	2,775,537
21	Commercial/Industrial Small <20kW	15,152,866	98,021,166	97,860,421	97,738,536	97,833,015
22	Commercial/Industrial Large >20kW	300,800,045	436,769,858	436,050,186	435,507,627	435,898,890
23	Residential	-	175,958,549	256,615,807	256,288,667	256,514,707
24	Residential CARE	-	48,665,515	70,970,552	70,880,134	70,942,703
25	Residential Outdoor Lighting	-	136,154	201,725	201,469	201,702
26	Total	323,287,382	770,050,983	872,180,252	871,084,372	871,867,377
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	209,402	1,296,986	1,294,902	1,293,276	1,294,440
30	Commercial/Industrial Large >20kW	2,704,410	3,941,730	3,935,398	3,930,455	3,933,992
31	Residential	-	6,067,436	8,841,016	8,829,911	8,837,857
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 2,913,812	$ 11,306,152	$ 14,071,316	$ 14,053,642	$ 14,066,289
35	**TOTAL RATE REVENUE**	**$ 326,201,194**	**$ 781,357,135**	**$ 886,251,568**	**$ 885,138,014**	**$ 885,933,666**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 244,650,896**	**$ 732,681,244**	**$ 868,769,163**	**$ 885,323,606**	**$ 885,801,057**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Scenario 5 - 80% RPS 2% Opt Up to 100% with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,430	55,401	55,356	55,428	55,247	55,251
2	Outdoor Lighting Small <20kW	23,727	23,721	23,701	23,747	23,657	23,658
3	Commercial/Industrial Small <20kW	649,548	649,180	648,665	649,772	647,510	647,540
4	Commercial/Industrial Large >20kW	2,858,227	2,856,629	2,854,402	2,859,082	2,849,243	2,849,391
5	Residential	1,506,607	1,505,696	1,504,534	1,506,904	1,501,947	1,502,083
6	Residential CARE	430,617	430,357	430,025	430,703	429,284	429,322
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,525,881	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964
	Scenario 5 - 80% RPS 2% Opt Up to 100% with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,277	11,271	11,262	11,280	11,242	11,243
12	Commercial/Industrial Large >20kW	33,832	33,812	33,786	33,841	33,726	33,728
13	Residential	67,664	67,625	67,572	67,682	67,452	67,457
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	112,773	112,708	112,621	112,803	112,421	112,428
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,663,891	$ 7,659,829	$ 7,653,651	$ 7,663,581	$ 7,638,604	$ 7,639,110
20	Outdoor Lighting Small <20kW	2,760,335	2,759,574	2,757,287	2,762,582	2,752,141	2,752,235
21	Commercial/Industrial Small <20kW	97,327,746	97,272,682	97,195,524	97,361,386	97,022,403	97,026,896
22	Commercial/Industrial Large >20kW	433,678,187	433,435,619	433,097,736	433,807,860	432,314,912	432,337,458
23	Residential	255,238,067	255,083,757	254,886,832	255,288,371	254,448,478	254,471,525
24	Residential CARE	70,589,376	70,546,791	70,492,308	70,603,503	70,370,906	70,377,202
25	Residential Outdoor Lighting	200,611	200,506	200,356	200,746	199,991	199,993
26	Total	867,458,213	866,958,760	866,283,694	867,688,028	864,747,435	864,804,421
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,287,889	1,287,149	1,286,147	1,288,234	1,283,863	1,283,946
30	Commercial/Industrial Large >20kW	3,914,084	3,911,836	3,908,789	3,915,133	3,901,848	3,902,101
31	Residential	8,793,133	8,788,083	8,781,237	8,795,489	8,765,644	8,766,213
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 13,995,106	$ 13,987,068	$ 13,976,172	$ 13,998,855	$ 13,951,355	$ 13,952,260
35	**TOTAL RATE REVENUE**	**$ 881,453,319**	**$ 880,945,828**	**$ 880,259,866**	**$ 881,686,884**	**$ 878,698,790**	**$ 878,756,681**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 882,200,044**	**$ 881,030,410**	**$ 880,374,193**	**$ 881,449,047**	**$ 879,196,806**	**$ 878,747,033**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Scenario 5 - 80% RPS 2% Opt Up to 100% with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,235	55,413	55,360	55,416	55,435
2	Outdoor Lighting Small <20kW	23,650	23,744	23,705	23,728	23,733
3	Commercial/Industrial Small <20kW	647,334	649,574	648,804	649,426	649,694
4	Commercial/Industrial Large >20kW	2,848,529	2,858,227	2,855,051	2,857,777	2,858,889
5	Residential	1,501,596	1,506,550	1,505,080	1,506,479	1,506,998
6	Residential CARE	429,184	430,601	430,179	430,579	430,728
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,507,247	5,525,835	5,519,902	5,525,130	5,527,204
	Scenario 5 - 80% RPS 2% Opt Up to 100% with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,239	11,277	11,265	11,276	11,280
12	Commercial/Industrial Large >20kW	33,718	33,832	33,795	33,827	33,840
13	Residential	67,436	67,663	67,591	67,655	67,680
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	112,393	112,772	112,651	112,758	112,800
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,636,942	$ 7,661,504	$ 7,654,261	$ 7,661,919	$ 7,664,622
20	Outdoor Lighting Small <20kW	2,751,363	2,762,281	2,757,701	2,760,449	2,760,998
21	Commercial/Industrial Small <20kW	96,996,091	97,331,680	97,216,315	97,309,525	97,349,683
22	Commercial/Industrial Large >20kW	432,206,616	433,678,161	433,196,218	433,609,906	433,778,600
23	Residential	254,389,114	255,228,420	254,979,276	255,216,334	255,304,313
24	Residential CARE	70,354,447	70,586,797	70,517,597	70,583,211	70,607,636
25	Residential Outdoor Lighting	199,946	200,684	200,398	200,584	200,676
26	Total	864,534,520	867,449,527	866,521,766	867,341,928	867,666,529
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,283,546	1,287,878	1,286,495	1,287,714	1,288,197
30	Commercial/Industrial Large >20kW	3,900,885	3,914,051	3,909,848	3,913,552	3,915,020
31	Residential	8,763,481	8,793,059	8,783,617	8,791,938	8,795,237
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 13,947,912	$ 13,994,988	$ 13,979,961	$ 13,993,204	$ 13,998,454
35	**TOTAL RATE REVENUE**	**$ 878,482,432**	**$ 881,444,515**	**$ 880,501,727**	**$ 881,335,132**	**$ 881,664,983**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 878,528,140**	**$ 880,950,835**	**$ 880,658,859**	**$ 881,196,231**	**$ 881,610,008**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 244,650,896	$ 732,681,244	$ 868,769,163	$ 885,323,606	$ 885,801,057	$ 882,200,044	$ 881,030,410	$ 880,374,193
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 244,650,896	$ 732,681,244	$ 868,769,163	$ 885,323,606	$ 885,801,057	$ 882,200,044	$ 881,030,410	$ 880,374,193
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		197,725,534	455,770,279	497,903,867	502,861,870	497,463,376	498,914,537	485,225,004	485,177,018
7	SDG&E Service Charges		2,983,212	4,907,230	4,946,779	5,039,300	5,144,663	5,221,328	5,322,563	5,424,812
8	SDG&E CRS Charges		72,545,875	192,504,457	225,394,125	231,388,227	236,626,320	233,469,856	232,252,294	232,437,584
9	SDG&E Power Franchise Charges		11,428,536	26,343,522	28,778,844	29,065,416	28,753,383	28,837,260	28,046,005	28,043,232
10	ESP Charges		206,444	5,940,929	8,558,441	8,547,560	8,555,173	8,512,411	8,507,311	8,500,726
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,472	541,957	729,311	735,658	743,534	749,737	758,647	767,659
15	Uncollectable Accounts		459,944	1,377,441	1,633,286	1,664,408	1,665,306	1,658,536	1,656,337	1,655,103
16	**Total Operating Expenses**		$ 288,026,007	$ 691,943,450	$ 773,667,739	$ 785,173,570	$ 784,975,727	$ 783,545,889	$ 768,113,807	$ 768,520,001
17	Contingency/Rate Stabilization Fund		30,555,767	73,235,508	81,781,522	82,976,066	82,908,415	82,778,298	81,113,709	81,153,903
18	**Total Operating Expenses & Contin/Rate Stab**		$ 318,581,775	$ 765,178,958	$ 855,449,260	$ 868,149,636	$ 867,884,142	$ 866,324,187	$ 849,227,516	$ 849,673,904
19	**Net Operating Revenues**		$ (73,930,879)	$ (32,497,714)	$ 13,319,902	$ 17,173,970	$ 17,916,915	$ 15,875,857	$ 31,802,894	$ 30,700,289
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,288,085	3,315,597	3,022,202	2,928,074	2,855,539	2,775,788	2,765,121	2,828,348
22	Total Non-Operating Revenues (Expenses)		$ 1,988,085	$ 3,315,597	$ 3,022,202	$ 2,928,074	$ 2,765,323	$ 2,775,788	$ 2,765,121	$ 2,804,083
23	**Net Operating Income**		$ (71,942,794)	$ (29,182,116)	$ 16,342,104	$ 20,102,045	$ 20,682,239	$ 18,651,645	$ 34,568,015	$ 33,504,371
	Debt Service	[3]								
24	Borrowing 1		$ 18,450,610	$ 18,450,610	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 18,450,610	$ 18,450,610	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
29	**Debt Service Coverage (Target=1.25)**		(3.90)	(1.58)	0.59	0.73	0.75	0.67	1.25	1.21
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (90,393,405)	$ (47,632,727)	$ (11,339,796)	$ (7,579,856)	$ (6,999,662)	$ (9,030,255)	$ 6,886,115	$ 5,822,471
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (90,393,405)	$ (47,632,727)	$ (11,339,796)	$ (7,579,856)	$ (6,999,662)	$ (9,030,255)	$ 6,886,115	$ 5,822,471

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 310,901,385	$ 281,719,268	$ 270,379,472	$ 262,799,616	$ 255,799,954	$ 246,769,699	$ 253,655,813
35	Deposit/(Withdrawal) from Operations	$ (90,393,405)	$ (47,632,727)	$ (11,339,796)	$ (7,579,856)	$ (6,999,662)	$ (9,030,255)	$ 6,886,115	$ 5,822,471
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 447,427,300	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (27,681,901)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (36,901,221)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	18,450,610	18,450,610	-	-	-	-	-	-
41	Ending Year Balance	$ 310,901,385	$ 281,719,268	$ 270,379,472	$ 262,799,616	$ 255,799,954	$ 246,769,699	$ 253,655,813	$ 259,478,284
42	Targeted Working Capital Balance	$ 110,440,252	$ 268,392,387	$ 301,961,098	$ 306,842,832	$ 307,608,038	$ 306,670,992	$ 301,248,475	$ 301,456,459
43	Surplus/(Deficiency)	$ 200,461,133	$ 13,326,881	$ (31,581,626)	$ (44,043,216)	$ (51,808,084)	$ (59,901,293)	$ (47,592,662)	$ (41,978,175)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	2%	-4%	-5%	-6%	-7%	-5%	-5%
45	% Surplus/(Deficiency) to Target	182%	5%	-10%	-14%	-17%	-20%	-16%	-14%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 310,901,385	$ 281,719,268	$ 270,379,472	$ 262,799,616	$ 255,799,954	$ 246,769,699	$ 253,655,813
47	Total Operating Revenues	244,650,896	732,681,244	868,769,163	885,323,606	885,801,057	882,200,044	881,030,410	880,374,193
48	Total Operating Expenses	(288,026,007)	(691,943,450)	(773,667,739)	(785,173,570)	(784,975,727)	(783,545,889)	(768,113,807)	(768,520,001)
49	Contingency/Rate Stabilization Fund	(30,555,767)	(73,235,508)	(81,781,522)	(82,976,066)	(82,908,415)	(82,778,298)	(81,113,709)	(81,153,903)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	382,844,179	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	18,450,610	18,450,610	-	-	-	-	-	-
54	Total Debt Service	(18,450,610)	(18,450,610)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)
55	Total Funds	$ 308,613,300	$ 278,403,671	$ 267,357,270	$ 259,871,542	$ 252,944,415	$ 243,993,910	$ 250,890,692	$ 256,649,936
56	Average Annual Balance	$ 205,742,200	$ 294,652,528	$ 274,538,269	$ 265,125,507	$ 257,872,015	$ 249,896,932	$ 248,830,195	$ 255,152,875
57	Annual Interest Earnings, All Funds	$ 2,288,085	$ 3,315,597	$ 3,022,202	$ 2,928,074	$ 2,855,539	$ 2,775,788	$ 2,765,121	$ 2,828,348
	Year Ending Balance, with Interest	$ 310,901,385	$ 281,719,268	$ 270,379,472	$ 262,799,616	$ 255,799,954	$ 246,769,699	$ 253,655,813	$ 259,478,284
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
59	Deposit from Bond Proceeds	$ 27,681,901	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
62	Average Annual Balance	$ 13,840,950	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
63	Annual Interest Earnings, to Operating Fund	$ 138,410	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 18,450,610	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 36,901,221	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (18,450,610)	$ (18,450,610)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 18,450,610	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 9,225,305	$ 9,225,305	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 92,253	$ 92,253	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 881,449,047	$ 879,196,806	$ 878,747,033	$ 878,528,140	$ 880,950,835	$ 880,658,859	$ 881,196,231	$ 881,610,008
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 881,449,047	$ 879,196,806	$ 878,747,033	$ 878,528,140	$ 880,950,835	$ 880,658,859	$ 881,196,231	$ 881,610,008
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		490,159,581	486,685,027	484,948,471	474,683,412	473,254,376	479,864,884	468,448,679	469,397,676
7	SDG&E Service Charges		5,542,105	5,634,218	5,747,391	5,860,450	5,997,493	6,111,323	6,239,367	6,366,396
8	SDG&E CRS Charges		234,774,147	236,124,842	237,652,252	238,819,732	240,623,624	241,437,536	242,828,062	244,337,683
9	SDG&E Power Franchise Charges		28,331,224	28,130,395	28,030,022	27,436,701	27,354,103	27,736,190	27,076,334	27,131,186
10	ESP Charges		8,514,239	8,486,030	8,486,753	8,484,018	8,512,168	8,503,653	8,511,589	8,514,587
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,062	786,673	797,160	807,858	820,194	830,870	842,495	853,953
15	Uncollectable Accounts		1,657,124	1,652,890	1,652,044	1,651,633	1,656,188	1,655,639	1,656,649	1,657,427
16	**Total Operating Expenses**		$ 776,443,639	$ 774,365,866	$ 774,363,879	$ 764,983,169	$ 765,652,438	$ 773,775,149	$ 763,444,759	$ 766,313,010
17	Contingency/Rate Stabilization Fund		81,990,446	81,751,861	81,736,264	80,707,176	80,761,433	81,632,317	80,498,054	80,793,294
18	**Total Operating Expenses & Contin/Rate Stab**		$ 858,434,084	$ 856,117,727	$ 856,100,144	$ 845,690,346	$ 846,413,870	$ 855,407,466	$ 843,942,813	$ 847,106,304
19	**Net Operating Revenues**		$ 23,014,963	$ 23,079,079	$ 22,646,889	$ 32,837,795	$ 34,536,964	$ 25,251,392	$ 37,253,418	$ 34,503,704
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		2,847,726	2,829,313	2,808,198	2,835,665	2,923,569	2,974,419	3,039,721	3,151,938
22	Total Non-Operating Revenues (Expenses)		$ 2,739,502	$ 2,829,313	$ 2,564,359	$ 2,835,665	$ 2,821,941	$ 2,974,419	$ 3,010,281	$ 3,151,938
23	**Net Operating Income**		$ 25,754,465	$ 25,908,392	$ 25,211,248	$ 35,673,460	$ 37,358,905	$ 28,225,811	$ 40,263,699	$ 37,655,642
	Debt Service	[3]								
24	Borrowing 1		$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
29	**Debt Service Coverage (Target=1.25)**		0.93	0.94	0.91	1.29	1.35	1.02	1.45	1.36
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (1,927,436)	$ (1,773,508)	$ (2,470,652)	$ 7,991,559	$ 9,677,005	$ 543,911	$ 12,581,799	$ 9,973,741
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (1,927,436)	$ (1,773,508)	$ (2,470,652)	$ 7,991,559	$ 9,677,005	$ 543,911	$ 12,581,799	$ 9,973,741

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 259,478,284	$ 257,550,848	$ 255,777,340	$ 253,306,688	$ 261,298,247	$ 270,975,252	$ 271,519,163	$ 284,100,962
35	Deposit/(Withdrawal) from Operations	$ (1,927,436)	$ (1,773,508)	$ (2,470,652)	$ 7,991,559	$ 9,677,005	$ 543,911	$ 12,581,799	$ 9,973,741
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 257,550,848	$ 255,777,340	$ 253,306,688	$ 261,298,247	$ 270,975,252	$ 271,519,163	$ 284,100,962	$ 294,074,703
42	Targeted Working Capital Balance	$ 304,567,706	$ 304,098,345	$ 304,374,897	$ 301,389,328	$ 301,947,763	$ 304,897,010	$ 301,627,079	$ 302,889,893
43	Surplus/(Deficiency)	$ (47,016,858)	$ (48,321,005)	$ (51,068,209)	$ (40,091,081)	$ (30,972,511)	$ (33,377,847)	$ (17,526,117)	$ (8,815,190)
44	Ratio of Surplus/(Deficiency) to Revenues	-5%	-5%	-6%	-5%	-4%	-4%	-2%	-1%
45	% Surplus/(Deficiency) to Target	-15%	-16%	-17%	-13%	-10%	-11%	-6%	-3%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 259,478,284	$ 257,550,848	$ 255,777,340	$ 253,306,688	$ 261,298,247	$ 270,975,252	$ 271,519,163	$ 284,100,962
47	Total Operating Revenues	881,449,047	879,196,806	878,747,033	878,528,140	880,950,835	880,658,859	881,196,231	881,610,008
48	Total Operating Expenses	(776,443,639)	(774,365,866)	(774,363,879)	(764,983,169)	(765,652,438)	(773,775,149)	(763,444,759)	(766,313,010)
49	Contingency/Rate Stabilization Fund	(81,990,446)	(81,751,861)	(81,736,264)	(80,707,176)	(80,761,433)	(81,632,317)	(80,498,054)	(80,793,294)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)	(27,681,901)
55	Total Funds	$ 254,703,122	$ 252,948,027	$ 250,498,490	$ 258,462,582	$ 268,051,683	$ 268,544,744	$ 281,061,241	$ 290,922,765
56	Average Annual Balance	$ 257,090,703	$ 255,249,437	$ 253,137,915	$ 255,884,635	$ 264,674,965	$ 269,759,998	$ 276,290,202	$ 287,511,863
57	Annual Interest Earnings, All Funds	$ 2,847,726	$ 2,829,313	$ 2,808,198	$ 2,835,665	$ 2,923,569	$ 2,974,419	$ 3,039,721	$ 3,151,938
	Year Ending Balance, with Interest	$ 257,550,848	$ 255,777,340	$ 253,306,688	$ 261,298,247	$ 270,975,252	$ 271,519,163	$ 284,100,962	$ 294,074,703
	Bond Reserve Fund								
58	Beginning Year Balance	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
62	Average Annual Balance	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
63	Annual Interest Earnings, to Operating Fund	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819	$ 276,819
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,164,271	5,041,312	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,469	340,823	475,469	474,864	475,287
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	197,725,534	455,770,279	497,903,867	502,861,870	497,463,376
5	SDG&E Service Charges	2,983,212	4,907,230	4,946,779	5,039,300	5,144,663
6	SDG&E CRS Charges	72,545,875	192,504,457	225,394,125	231,388,227	236,626,320
7	SDG&E Power Franchise Charges	11,428,536	26,343,522	28,778,844	29,065,416	28,753,383
8	ESP Charges	206,444	5,940,929	8,558,441	8,547,560	8,555,173
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,472	541,957	729,311	735,658	743,534
13	Uncollectable Accounts	$ 459,944	$ 1,377,441	$ 1,633,286	$ 1,664,408	$ 1,665,306
14	**Total Operating Expenses**	$ 288,026,007	$ 691,943,450	$ 773,667,739	$ 785,173,570	$ 784,975,727
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	18,450,610	18,450,610	27,681,901	27,681,901	27,681,901
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 18,750,610	$ 18,450,610	$ 27,681,901	$ 27,681,901	$ 27,772,116
19	**Total Operating & Non-Operating Expenses**	**$ 306,776,618**	**$ 710,394,060**	**$ 801,349,639**	**$ 812,855,471**	**$ 812,747,844**
20	Contingency/Rate Stabilization Fund	$ 30,555,767	$ 73,235,508	$ 81,781,522	$ 82,976,066	$ 82,908,415
21	**Total Expenses Incl. Contingency**	$ 337,332,385	$ 783,629,568	$ 883,131,161	$ 895,831,536	$ 895,656,258

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,912	472,628	472,263	473,013	471,446	471,486
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	498,914,537	485,225,004	485,177,018	490,159,581	486,685,027	484,948,471
5	SDG&E Service Charges	5,221,328	5,322,563	5,424,812	5,542,105	5,634,218	5,747,391
6	SDG&E CRS Charges	233,469,856	232,252,294	232,437,584	234,774,147	236,124,842	237,652,252
7	SDG&E Power Franchise Charges	28,837,260	28,046,005	28,043,232	28,331,224	28,130,395	28,030,022
8	ESP Charges	8,512,411	8,507,311	8,500,726	8,514,239	8,486,030	8,486,753
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,737	758,647	767,659	778,062	786,673	797,160
13	Uncollectable Accounts	$ 1,658,536	$ 1,656,337	$ 1,655,103	$ 1,657,124	$ 1,652,890	$ 1,652,044
14	**Total Operating Expenses**	$ 783,545,889	$ 768,113,807	$ 768,520,001	$ 776,443,639	$ 774,365,866	$ 774,363,879
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	27,681,901	27,681,901	27,681,901	27,681,901	27,681,901	27,681,901
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 27,681,901	$ 27,681,901	$ 27,706,166	$ 27,790,125	$ 27,681,901	$ 27,925,739
19	**Total Operating & Non-Operating Expenses**	**$ 811,227,789**	**$ 795,795,707**	**$ 796,226,167**	**$ 804,233,764**	**$ 802,047,767**	**$ 802,289,619**
20	Contingency/Rate Stabilization Fund	$ 82,778,298	$ 81,113,709	$ 81,153,903	$ 81,990,446	$ 81,751,861	$ 81,736,264
21	**Total Expenses Incl. Contingency**	$ 894,006,087	$ 876,909,416	$ 877,380,070	$ 886,224,209	$ 883,799,627	$ 884,025,883

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,334	472,898	472,425	472,866	473,033
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	474,683,412	473,254,376	479,864,884	468,448,679	469,397,676
5	SDG&E Service Charges	5,860,450	5,997,493	6,111,323	6,239,367	6,366,396
6	SDG&E CRS Charges	238,819,732	240,623,624	241,437,536	242,828,062	244,337,683
7	SDG&E Power Franchise Charges	27,436,701	27,354,103	27,736,190	27,076,334	27,131,186
8	ESP Charges	8,484,018	8,512,168	8,503,653	8,511,589	8,514,587
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,858	820,194	830,870	842,495	853,953
13	Uncollectable Accounts	$ 1,651,633	$ 1,656,188	$ 1,655,639	$ 1,656,649	$ 1,657,427
14	**Total Operating Expenses**	$ 764,983,169	$ 765,652,438	$ 773,775,149	$ 763,444,759	$ 766,313,010
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	27,681,901	27,681,901	27,681,901	27,681,901	27,681,901
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 27,681,901	$ 27,783,528	$ 27,681,901	$ 27,711,340	$ 27,681,901
19	**Total Operating & Non-Operating Expenses**	**$ 792,665,070**	**$ 793,435,966**	**$ 801,457,050**	**$ 791,156,099**	**$ 793,994,911**
20	Contingency/Rate Stabilization Fund	$ 80,707,176	$ 80,761,433	$ 81,632,317	$ 80,498,054	$ 80,793,294
21	**Total Expenses Incl. Contingency**	$ 873,372,246	$ 874,197,398	$ 883,089,367	$ 871,654,153	$ 874,788,205

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 5 - 80% RPS 2% Opt Up to 100%**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 203,436	$ 5,940,929	$ 8,282,151	$ 8,271,617	$ 8,278,981	$ 8,237,617
2		Opt-up to 100%	$ 3,008	$ -	$ 276,290	$ 275,943	$ 276,192	$ 274,794
3		**Total Projected ESP Costs**	$ 206,444	$ 5,940,929	$ 8,558,441	$ 8,547,560	$ 8,555,173	$ 8,512,411
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	135,624	3,960,619	5,521,434	5,514,411	5,519,321	5,491,745
4		Opt-up to 100%	2,005		184,194	183,962	184,128	183,196
5		**Total Customer Accounts Billing Determinants**	137,630	3,960,619	5,705,627	5,698,373	5,703,448	5,674,941
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,139,061	4,949,195	5,555,972	5,548,994	5,553,988	5,525,881
6		Opt-up to 100%	25,210	92,117	113,387	113,245	113,347	112,773
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,164,271	5,041,312	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 5 - 80% RPS 2% Opt Up to 100%**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,232,675	$ 8,226,303	$ 8,239,372	$ 8,212,095	$ 8,212,800	$ 8,210,150
2		Opt-up to 100%	$ 274,636	$ 274,422	$ 274,868	$ 273,935	$ 273,953	$ 273,867
3		**Total Projected ESP Costs**	$ 8,507,311	$ 8,500,726	$ 8,514,239	$ 8,486,030	$ 8,486,753	$ 8,484,018
		Customer Accounts Billing Determinants						
4		Baseload	5,488,450	5,484,202	5,492,914	5,474,730	5,475,200	5,473,434
4		Opt-up to 100%	183,091	182,948	183,245	182,623	182,635	182,578
5		**Total Customer Accounts Billing Determinants**	5,671,541	5,667,150	5,676,159	5,657,353	5,657,835	5,656,012
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964	5,507,247
6		Opt-up to 100%	112,708	112,621	112,803	112,421	112,428	112,393
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Scenario 5 - 80% RPS 2% Opt Up to 100%**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,237,377	$ 8,229,157	$ 8,236,832	$ 8,239,727	$ 121,491,220
2		Opt-up to 100%	$ 274,792	$ 274,497	$ 274,757	$ 274,860	$ 3,850,812
3		**Total Projected ESP Costs**	$ 8,512,168	$ 8,503,653	$ 8,511,589	$ 8,514,587	$ 125,342,032
		Customer Accounts Billing Determinants					
4		Baseload	5,491,585	5,486,104	5,491,222	5,493,152	80,994,147
4		Opt-up to 100%	183,194	182,998	183,171	183,240	2,567,208
5		**Total Customer Accounts Billing Determinants**	5,674,779	5,669,102	5,674,393	5,676,391	83,561,355
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,525,835	5,519,902	5,525,130	5,527,204	84,464,455
6		Opt-up to 100%	112,772	112,651	112,758	112,800	1,696,433
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,160,888
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 122,325,448	$ 244,438,989	$ 488,454,163	$ 846,087,843	$ 1,701,306,442
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 62,877,577	$ 68,892,134	$ 178,943,121	$ 259,119,747	$ 569,832,579
4	Power Procurement	$ 144,610,021	$ 156,567,406	$ 352,318,386	$ 497,903,867	$ 1,151,399,680
5	Total ESP Charges	$ 74,813	$ 404,831	$ 5,861,606	$ 8,558,441	$ 14,899,691
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,441	$ 1,982,956	$ 3,096,950	$ 5,701,749	$ 12,085,096
8	**Subtotal Expenses**	$ 209,488,977	$ 228,193,577	$ 540,643,397	$ 771,472,743	$ 1,749,798,694
9	Contingency	$ 6,487,896	$ 7,162,617	$ 18,832,501	$ 27,356,888	59,839,901
10	**Total Expenses**	$ 215,976,873	$ 235,356,194	$ 559,475,898	$ 798,829,631	$ 1,809,638,595
11	Cash Flow	$ (93,651,425)	$ 9,082,795	$ (71,021,735)	$ 47,258,212	$ (108,332,153)
12	Cumulative Cash Flow	$ (93,651,425)	$ (84,568,630)	$ (155,590,365)	$ (108,332,153)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,336	81	235,569	2,631	$ 588,000	$ 12,000
2	I	2020	Jun	7,934	84	249,772	2,744	$ -	$ -
3	I	2020	Jul	8,506	93	268,349	3,025	$ -	$ -
4	I	2020	Aug	8,214	92	259,376	3,004	$ -	$ -
5	I	2020	Sep	9,222	106	291,859	3,470	$ -	$ -
6	I	2020	Oct	8,115	92	256,298	3,001	$ -	$ -
7	II	2020	Nov	44,176	729	294,510	3,666	$ 294,000	$ 6,000
8	II	2020	Dec	42,121	729	283,328	3,669	$ -	$ -
9	II	2021	Jan	45,332	758	284,702	3,812	$ -	$ -
10	II	2021	Feb	44,636	708	286,611	3,561	$ -	$ -
11	II	2021	Mar	44,624	696	282,367	3,502	$ -	$ -
12	II	2021	Apr	44,698	681	282,548	3,426	$ -	$ -
13	III	2021	May	405,224	14,222	428,989	8,755	$ 294,000	$ 6,000
14	III	2021	Jun	413,887	14,814	446,843	9,119	$ -	$ -
15	III	2021	Jul	474,009	16,316	492,152	10,044	$ -	$ -
16	III	2021	Aug	490,751	16,239	489,834	9,997	$ -	$ -
17	III	2021	Sep	593,096	18,804	567,208	11,576	$ -	$ -
18	III	2021	Oct	499,267	16,178	487,982	9,959	$ -	$ -
19	III	2021	Nov	438,822	14,911	449,768	9,179	$ -	$ -
20	III	2021	Dec	466,274	14,925	450,191	9,188	$ -	$ -
21		2022	Jan	511,494	15,535	468,582	9,563	$ -	$ -
22		2022	Feb	425,194	14,434	435,390	8,886	$ -	$ -
23		2022	Mar	417,311	14,184	427,853	8,732	$ -	$ -
24		2022	Apr	392,537	13,848	417,711	8,525	$ -	$ -
25		2022	May	405,240	14,223	429,006	8,755	$ -	$ -
26		2022	Jun	413,771	14,810	446,717	9,117	$ -	$ -
27		2022	Jul	470,159	16,184	488,156	9,962	$ -	$ -
28		2022	Aug	491,620	16,268	490,702	10,014	$ -	$ -
29		2022	Sep	592,318	18,780	566,464	11,560	$ -	$ -
30		2022	Oct	497,867	16,132	486,614	9,931	$ -	$ -
31		2022	Nov	438,003	14,883	448,929	9,162	$ -	$ -
32		2022	Dec	465,920	14,914	449,849	9,181	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 5 - 80% RPS 2%

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,443,860	$ 8,026,934	$ 1,182,885	$ 10,520,837	$ 132,842
2	I	2020	Jun	$ 6,682	$ 8,458,566	$ 1,334,647	$ 9,690,180	$ 109,715
3	I	2020	Jul	$ 7,166	$ 9,104,111	$ 1,407,507	$ 10,398,229	$ 120,556
4	I	2020	Aug	$ 6,922	$ 8,814,508	$ 1,496,866	$ 10,196,830	$ 121,465
5	I	2020	Sep	$ 7,773	$ 9,924,342	$ 1,545,554	$ 11,339,458	$ 138,210
6	I	2020	Oct	$ 6,839	$ 8,711,415	$ 1,391,001	$ 9,989,235	$ 120,020
7	II	2020	Nov	$ 1,468,261	$ 9,942,494	$ 1,540,738	$ 12,777,907	$ 173,586
8	II	2020	Dec	$ 35,708	$ 9,563,506	$ 1,529,339	$ 10,982,689	$ 145,864
9	II	2021	Jan	$ 39,176	$ 9,701,563	$ 1,521,083	$ 11,109,452	$ 152,371
10	II	2021	Feb	$ 38,543	$ 9,755,585	$ 1,515,802	$ 11,167,680	$ 142,250
11	II	2021	Mar	$ 38,522	$ 9,611,400	$ 1,452,476	$ 10,963,199	$ 139,199
12	II	2021	Apr	$ 38,572	$ 9,609,208	$ 1,490,158	$ 11,001,221	$ 136,718
13	III	2021	May	$ 1,787,369	$ 17,189,164	$ 2,155,097	$ 20,654,768	$ 476,862
14	III	2021	Jun	$ 364,396	$ 17,806,828	$ 2,533,955	$ 20,230,743	$ 474,436
15	III	2021	Jul	$ 416,776	$ 19,746,862	$ 2,730,703	$ 22,373,110	$ 521,230
16	III	2021	Aug	$ 430,941	$ 19,794,154	$ 2,616,404	$ 22,325,468	$ 516,031
17	III	2021	Sep	$ 520,115	$ 23,103,108	$ 3,098,089	$ 26,123,035	$ 598,277
18	III	2021	Oct	$ 438,128	$ 19,797,297	$ 2,645,586	$ 22,366,342	$ 514,669
19	III	2021	Nov	$ 385,673	$ 18,094,551	$ 2,362,790	$ 20,369,883	$ 473,131
20	III	2021	Dec	$ 409,019	$ 18,294,737	$ 2,221,379	$ 20,455,253	$ 469,882
21		2022	Jan	$ 456,934	$ 19,315,142	$ 2,428,881	$ 21,706,063	$ 494,894
22		2022	Feb	$ 381,158	$ 17,597,963	$ 2,173,599	$ 19,695,091	$ 457,630
23		2022	Mar	$ 374,107	$ 17,285,989	$ 2,165,199	$ 19,374,510	$ 450,784
24		2022	Apr	$ 352,336	$ 16,765,465	$ 2,237,010	$ 18,911,895	$ 442,916
25		2022	May	$ 363,674	$ 17,286,311	$ 2,220,491	$ 19,417,845	$ 452,631
26		2022	Jun	$ 371,579	$ 17,901,585	$ 2,241,784	$ 20,045,164	$ 469,784
27		2022	Jul	$ 421,659	$ 19,696,650	$ 2,527,727	$ 22,130,744	$ 515,293
28		2022	Aug	$ 440,339	$ 19,941,164	$ 2,619,598	$ 22,481,932	$ 519,170
29		2022	Sep	$ 529,821	$ 23,203,612	$ 3,017,097	$ 26,150,726	$ 599,804
30		2022	Oct	$ 445,637	$ 19,853,428	$ 2,599,696	$ 22,383,842	$ 514,919
31		2022	Nov	$ 392,652	$ 18,162,433	$ 2,361,487	$ 20,441,841	$ 474,731
32		2022	Dec	$ 416,883	$ 18,384,382	$ 2,186,275	$ 20,516,232	$ 471,308
		Total		$ 12,837,221	$ 490,444,457	$ 66,550,901	$ 558,291,403	$ 11,541,176

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 5 - 80% RPS 2%

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 20,217,156	$ 247,990	$ 11,003	$ 121	$ 3,777	$ 77	$ 212,895	$ 4,345
2	I	2020	Jun	$ 22,812,294	$ 278,479	$ 11,901	$ 126	$ 3,777	$ 77	$ 212,895	$ 4,345
3	I	2020	Jul	$ 24,051,281	$ 300,051	$ 12,760	$ 139	$ 3,777	$ 77	$ 212,895	$ 4,345
4	I	2020	Aug	$ 25,568,652	$ 328,678	$ 12,321	$ 138	$ 3,777	$ 77	$ 212,895	$ 4,345
5	I	2020	Sep	$ 26,396,377	$ 343,306	$ 13,833	$ 159	$ 3,777	$ 77	$ 212,895	$ 4,345
6	I	2020	Oct	$ 23,760,606	$ 305,150	$ 12,173	$ 138	$ 3,777	$ 77	$ 212,895	$ 4,345
7	II	2020	Nov	$ 26,292,320	$ 364,045	$ 66,264	$ 1,093	$ 7,554	$ 154	$ 212,895	$ 4,345
8	II	2020	Dec	$ 26,081,314	$ 377,833	$ 63,181	$ 1,094	$ 7,554	$ 154	$ 212,895	$ 4,345
9	II	2021	Jan	$ 25,929,946	$ 386,376	$ 67,998	$ 1,137	$ 7,554	$ 154	$ 379,376	$ 7,742
10	II	2021	Feb	$ 25,865,558	$ 359,395	$ 66,955	$ 1,062	$ 7,554	$ 154	$ 379,376	$ 7,742
11	II	2021	Mar	$ 24,788,071	$ 341,263	$ 66,936	$ 1,044	$ 7,554	$ 154	$ 379,376	$ 7,742
12	II	2021	Apr	$ 25,438,242	$ 343,043	$ 67,047	$ 1,022	$ 7,554	$ 154	$ 379,376	$ 7,742
13	III	2021	May	$ 36,469,184	$ 816,224	$ 607,836	$ 21,333	$ 15,108	$ 308	$ 379,376	$ 7,742
14	III	2021	Jun	$ 42,859,495	$ 980,556	$ 620,831	$ 22,221	$ 15,108	$ 308	$ 379,376	$ 7,742
15	III	2021	Jul	$ 46,186,713	$ 1,057,278	$ 711,013	$ 24,474	$ 15,108	$ 308	$ 379,376	$ 7,742
16	III	2021	Aug	$ 44,261,673	$ 1,004,829	$ 736,126	$ 24,359	$ 15,108	$ 308	$ 379,376	$ 7,742
17	III	2021	Sep	$ 52,423,906	$ 1,176,251	$ 889,643	$ 28,206	$ 15,108	$ 308	$ 379,376	$ 7,742
18	III	2021	Oct	$ 44,760,179	$ 1,011,207	$ 748,901	$ 24,267	$ 15,108	$ 308	$ 379,376	$ 7,742
19	III	2021	Nov	$ 39,968,059	$ 910,664	$ 658,233	$ 22,366	$ 15,108	$ 308	$ 379,376	$ 7,742
20	III	2021	Dec	$ 37,584,540	$ 847,629	$ 699,410	$ 22,387	$ 15,108	$ 308	$ 379,376	$ 7,742
21		2022	Jan	$ 41,086,902	$ 935,261	$ 767,241	$ 23,302	$ 15,430	$ 315	$ 465,643	$ 9,503
22		2022	Feb	$ 36,774,714	$ 830,808	$ 637,792	$ 21,651	$ 15,430	$ 315	$ 465,643	$ 9,503
23		2022	Mar	$ 36,625,138	$ 835,047	$ 625,967	$ 21,277	$ 15,430	$ 315	$ 465,643	$ 9,503
24		2022	Apr	$ 37,838,596	$ 863,999	$ 588,806	$ 20,772	$ 15,430	$ 315	$ 465,643	$ 9,503
25		2022	May	$ 37,568,569	$ 848,229	$ 607,860	$ 21,334	$ 15,430	$ 315	$ 465,643	$ 9,503
26		2022	Jun	$ 37,928,458	$ 856,728	$ 620,656	$ 22,215	$ 15,430	$ 315	$ 465,643	$ 9,503
27		2022	Jul	$ 42,762,715	$ 969,595	$ 705,239	$ 24,275	$ 15,430	$ 315	$ 465,643	$ 9,503
28		2022	Aug	$ 44,326,531	$ 995,228	$ 737,431	$ 24,402	$ 15,430	$ 315	$ 465,643	$ 9,503
29		2022	Sep	$ 51,041,774	$ 1,157,139	$ 888,477	$ 28,169	$ 15,430	$ 315	$ 465,643	$ 9,503
30		2022	Oct	$ 43,989,200	$ 988,232	$ 746,800	$ 24,199	$ 15,430	$ 315	$ 465,643	$ 9,503
31		2022	Nov	$ 39,949,855	$ 906,322	$ 657,004	$ 22,325	$ 15,430	$ 315	$ 465,643	$ 9,503
32		2022	Dec	$ 36,992,723	$ 832,105	$ 698,880	$ 22,370	$ 15,430	$ 315	$ 465,643	$ 9,503
		Total		$ 1,128,600,741	$ 22,798,938	$ 14,426,516	$ 473,176	$ 374,014	$ 7,633	$ 11,843,395	$ 241,702

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 5 - 80% RPS 2%

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 31,553,670	$ 397,375	$ 1,133,651	$ 14,938	$ 32,687,321	$ 412,314	$ 33,099,635
2	I	2020	Jun	$ 32,731,047	$ 392,742	$ 991,875	$ 11,426	$ 33,722,923	$ 404,168	$ 34,127,091
3	I	2020	Jul	$ 34,678,942	$ 425,167	$ 1,062,766	$ 12,512	$ 35,741,708	$ 437,679	$ 36,179,387
4	I	2020	Aug	$ 35,994,476	$ 454,702	$ 1,042,582	$ 12,602	$ 37,037,059	$ 467,305	$ 37,504,363
5	I	2020	Sep	$ 37,966,341	$ 486,097	$ 1,156,996	$ 14,279	$ 39,123,338	$ 500,377	$ 39,623,714
6	I	2020	Oct	$ 33,978,687	$ 429,730	$ 1,021,808	$ 12,458	$ 35,000,495	$ 442,188	$ 35,442,682
7	II	2020	Nov	$ 39,650,940	$ 549,223	$ 1,335,862	$ 18,518	$ 40,986,802	$ 567,741	$ 41,554,543
8	II	2020	Dec	$ 37,347,633	$ 529,290	$ 1,126,632	$ 15,146	$ 38,474,265	$ 544,436	$ 39,018,701
9	II	2021	Jan	$ 37,494,326	$ 547,780	$ 1,156,438	$ 16,140	$ 38,650,764	$ 563,920	$ 39,214,684
10	II	2021	Feb	$ 37,487,123	$ 510,603	$ 1,162,157	$ 15,121	$ 38,649,280	$ 525,724	$ 39,175,003
11	II	2021	Mar	$ 36,205,137	$ 489,402	$ 1,141,707	$ 14,814	$ 37,346,843	$ 504,216	$ 37,851,060
12	II	2021	Apr	$ 36,893,441	$ 488,679	$ 1,145,520	$ 14,564	$ 38,038,960	$ 503,242	$ 38,542,203
13	III	2021	May	$ 58,420,272	$ 1,328,469	$ 2,195,109	$ 51,225	$ 60,615,381	$ 1,379,694	$ 61,995,075
14	III	2021	Jun	$ 64,105,553	$ 1,485,263	$ 2,124,606	$ 50,471	$ 66,230,159	$ 1,535,734	$ 67,765,892
15	III	2021	Jul	$ 69,665,321	$ 1,611,033	$ 2,347,861	$ 55,376	$ 72,013,182	$ 1,666,409	$ 73,679,590
16	III	2021	Aug	$ 67,717,752	$ 1,553,269	$ 2,345,608	$ 54,844	$ 70,063,360	$ 1,608,113	$ 71,671,473
17	III	2021	Sep	$ 79,831,070	$ 1,810,785	$ 2,740,716	$ 63,453	$ 82,571,786	$ 1,874,239	$ 84,446,025
18	III	2021	Oct	$ 68,269,906	$ 1,558,194	$ 2,350,973	$ 54,699	$ 70,620,879	$ 1,612,892	$ 72,233,771
19	III	2021	Nov	$ 61,390,659	$ 1,414,212	$ 2,142,260	$ 50,355	$ 63,532,919	$ 1,464,567	$ 64,997,486
20	III	2021	Dec	$ 59,133,688	$ 1,347,949	$ 2,154,915	$ 50,032	$ 61,288,603	$ 1,397,981	$ 62,686,584
21		2022	Jan	$ 64,041,280	$ 1,463,274	$ 2,295,438	$ 52,801	$ 66,336,717	$ 1,516,076	$ 67,852,793
22		2022	Feb	$ 57,588,670	$ 1,319,906	$ 2,081,396	$ 48,910	$ 59,670,065	$ 1,368,816	$ 61,038,882
23		2022	Mar	$ 57,106,688	$ 1,316,925	$ 2,048,155	$ 48,188	$ 59,154,843	$ 1,365,113	$ 60,519,956
24		2022	Apr	$ 57,820,370	$ 1,337,505	$ 1,998,177	$ 47,351	$ 59,818,547	$ 1,384,856	$ 61,203,403
25		2022	May	$ 58,075,346	$ 1,332,011	$ 2,050,678	$ 48,378	$ 60,126,023	$ 1,380,390	$ 61,506,413
26		2022	Jun	$ 59,075,350	$ 1,358,544	$ 2,114,689	$ 50,182	$ 61,190,039	$ 1,408,726	$ 62,598,765
27		2022	Jul	$ 66,079,770	$ 1,518,980	$ 2,331,706	$ 54,939	$ 68,411,476	$ 1,573,919	$ 69,985,395
28		2022	Aug	$ 68,026,966	$ 1,548,617	$ 2,370,044	$ 55,339	$ 70,397,010	$ 1,603,956	$ 72,000,966
29		2022	Sep	$ 78,562,050	$ 1,794,930	$ 2,752,028	$ 63,779	$ 81,314,077	$ 1,858,710	$ 83,172,787
30		2022	Oct	$ 67,600,915	$ 1,537,168	$ 2,361,171	$ 54,894	$ 69,962,086	$ 1,592,061	$ 71,554,147
31		2022	Nov	$ 61,529,773	$ 1,413,195	$ 2,157,992	$ 50,687	$ 63,687,765	$ 1,463,883	$ 65,151,647
32		2022	Dec	$ 58,688,907	$ 1,335,601	$ 2,169,618	$ 50,350	$ 60,858,526	$ 1,385,951	$ 62,244,477
		Total		$ 1,714,712,068	$ 35,086,625	$ 58,611,133	$ 1,228,769	$ 1,773,323,201	$ 36,315,394	$ 1,809,638,595

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Scenario 5 - 80% RPS 2%

				Sources of Funds		Cash Flow Before Debt Service	
Line	Phase	Year	Month	Debt Proceeds/ (DS)	Estimated Revenues	Annual	Cumulative
1	I	2020	May	$ 382,844,179	$ -	$ 349,744,545	$ 349,744,545
2	I	2020	Jun	$ -	$ -	$ (34,127,091)	315,617,453
3	I	2020	Jul	$ -	$ 30,581,362	$ (5,598,025)	310,019,429
4	I	2020	Aug	$ -	$ 30,581,362	$ (6,923,001)	303,096,427
5	I	2020	Sep	$ -	$ 30,581,362	$ (9,042,352)	294,054,075
6	I	2020	Oct	$ -	$ 30,581,362	$ (4,861,321)	289,192,754
7	II	2020	Nov	$ -	$ 30,581,362	$ (10,973,181)	278,219,573
8	II	2020	Dec	$ -	$ 30,581,362	$ (8,437,339)	269,782,234
9	II	2021	Jan	$ -	$ 30,581,362	$ (8,633,322)	261,148,912
10	II	2021	Feb	$ -	$ 30,581,362	$ (8,593,641)	252,555,271
11	II	2021	Mar	$ -	$ 61,056,770	$ 23,205,711	275,760,981
12	II	2021	Apr	$ -	$ 61,056,770	$ 22,514,568	298,275,549
13	III	2021	May	$ -	$ 61,056,770	$ (938,305)	297,337,244
14	III	2021	Jun	$ -	$ 61,056,770	$ (6,709,122)	290,628,122
15	III	2021	Jul	$ -	$ 61,056,770	$ (12,622,820)	278,005,302
16	III	2021	Aug	$ -	$ 61,056,770	$ (10,614,703)	267,390,599
17	III	2021	Sep	$ -	$ 61,056,770	$ (23,389,254)	244,001,345
18	III	2021	Oct	$ -	$ 61,056,770	$ (11,177,001)	232,824,344
19	III	2021	Nov	$ -	$ 61,056,770	$ (3,940,716)	228,883,628
20	III	2021	Dec	$ -	$ 61,056,770	$ (1,629,814)	227,253,814
21		2022	Jan	$ -	$ 61,056,770	$ (6,796,023)	220,457,791
22		2022	Feb	$ -	$ 61,056,770	$ 17,889	220,475,680
23		2022	Mar	$ -	$ 72,397,430	$ 11,877,474	232,353,154
24		2022	Apr	$ -	$ 72,397,430	$ 11,194,027	243,547,182
25		2022	May	$ -	$ 72,397,430	$ 10,891,017	254,438,199
26		2022	Jun	$ -	$ 72,397,430	$ 9,798,665	264,236,864
27		2022	Jul	$ -	$ 72,397,430	$ 2,412,035	266,648,899
28		2022	Aug	$ -	$ 72,397,430	$ 396,464	267,045,363
29		2022	Sep	$ -	$ 72,397,430	$ (10,775,357)	256,270,007
30		2022	Oct	$ -	$ 72,397,430	$ 843,283	257,113,290
31		2022	Nov	$ -	$ 72,397,430	$ 7,245,783	264,359,073
32		2022	Dec	$ -	$ 72,397,430	$ 10,152,954	274,512,026
		Total		$ 382,844,179	$ 1,701,306,442	$ 274,512,026	$ 8,585,249,129

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

305,335,664	Operating Costs, Average 5 Months for First Two Full Years
77,508,515	Average Annual Rate Stabilization Funding for First Two Full Years
382,844,179	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										382,844,179	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 382,844,179	$ 13,837,958	$ 27,681,901	$ 36,901,221	$ 461,265,258	$ 18,450,610	$ 18,450,610	$ 27,681,901	$ 27,681,901
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 18,450,610**	**$ 18,450,610**	**$ 27,681,901**	**$ 27,681,901**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 27,681,901	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901	$ 27,681,901
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 27,681,901	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**	**$ 27,681,901**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Scenario 5 - 80% RPS 2% Opt Up to 100%

Line	Opt-Out Accounts	Description: Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,700	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,998	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	102,013	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,667	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	137,744																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 5 - 80% RPS 2% Opt Up to 100%**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Scenario 5 - 80% RPS 2% Opt Up to 10(**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

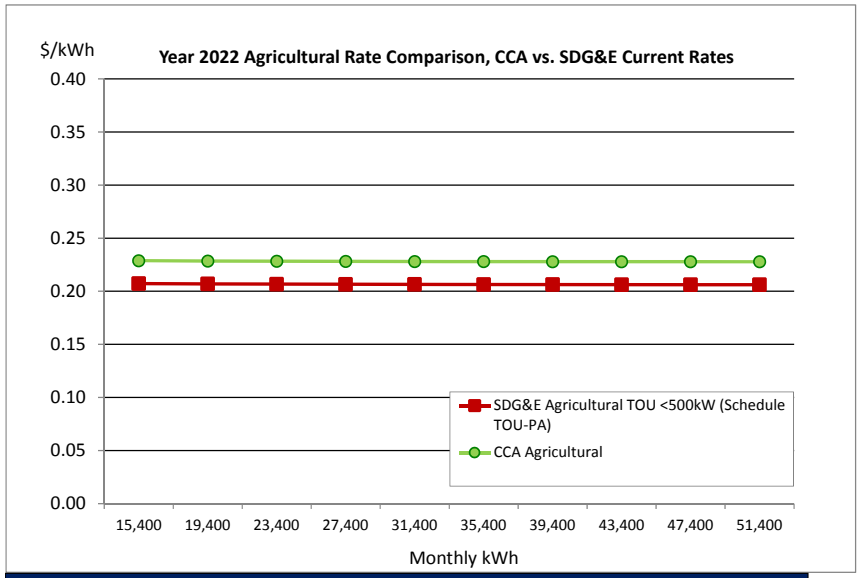
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.87	-	-	-	-	(4.26)	(261.87)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,422 kWh	0.1807	0.0901	0.0055	0.2763	2,050.67	0.0891	0.1900	0.2791	2,071.81	0.0028	21.14
Semi-Peak Energy, $/kWh	9,543 kWh	0.1414	0.0901	0.0055	0.2370	2,261.36	0.0891	0.1900	0.2791	2,663.75	0.0422	402.40
Off-Peak Energy, $/kWh	18,508 kWh	0.0995	0.0901	0.0055	0.1951	3,610.86	0.0891	0.1900	0.2791	5,166.07	0.0840	1,555.21
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	446.97	0.0891	0.0711	0.1602	387.05	(0.0248)	(59.93)
Semi-Peak Energy, $/kWh	10,468 kWh	0.0765	0.0901	0.0055	0.1722	1,802.01	0.0891	0.0711	0.1602	1,677.20	(0.0119)	(124.81)
Off-Peak Energy, $/kWh	14,443 kWh	0.0587	0.0901	0.0055	0.1543	2,228.24	0.0891	0.0711	0.1602	2,314.22	0.0060	85.98
Average Monthly Bill ($)						6,708.31				7,521.20		812.88
											Percentage Change	**12.1%**

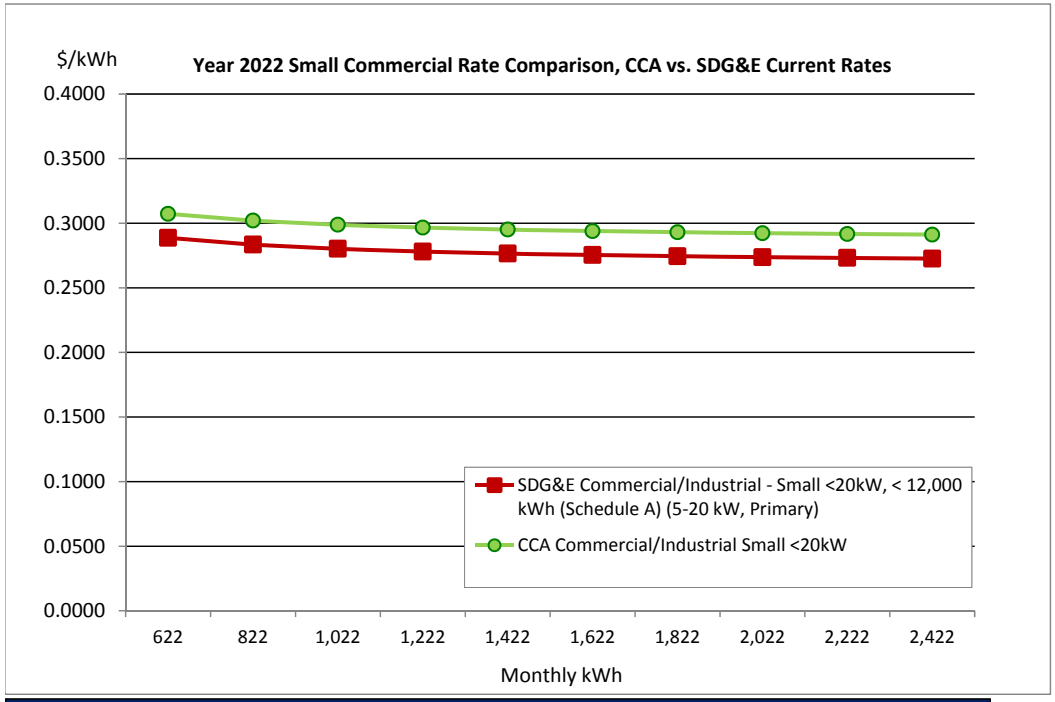


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.2100	0.3458	510.50	0.0411	60.72
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0849	0.2207	301.84	(0.0058)	(7.93)
Average Monthly Bill ($)						395.89				423.60		27.71
											Percentage Change	**7.0%**

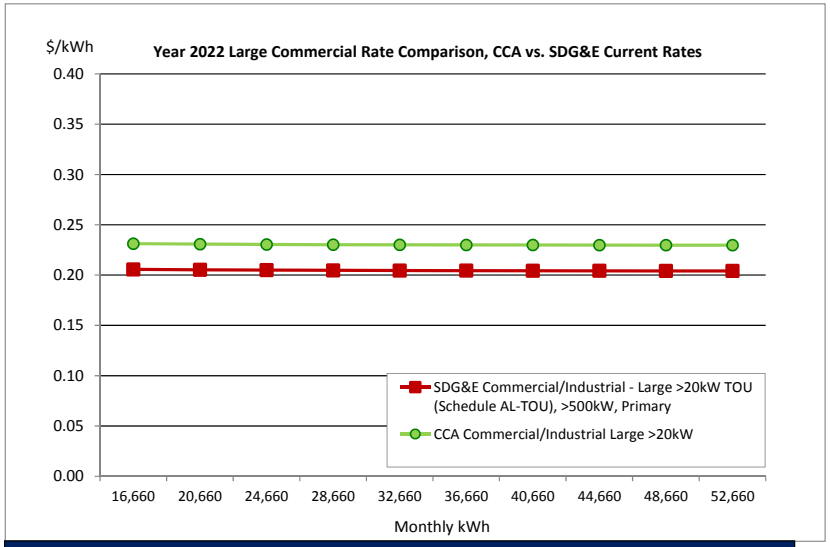


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.54	27.67	-	27.67	1,768.54	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.83	11.50	-	11.50	735.10	(12.54)	(801.73)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,106.99	0.0034	0.2100	0.2134	1,533.72	0.0594	426.73
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.25	0.0034	0.2100	0.2134	1,971.92	0.0712	657.68
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.27	0.0034	0.2100	0.2134	3,824.34	0.1087	1,948.06
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0871	0.0905	247.74	(0.0491)	(134.37)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.53	0.0034	0.0871	0.0905	1,073.52	(0.0302)	(358.01)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.06	0.0034	0.0871	0.0905	1,481.25	(0.0041)	(67.81)
Average Monthly Bill ($)						6,705.97				7,634.19		928.22
											Percentage Change	**13.8%**

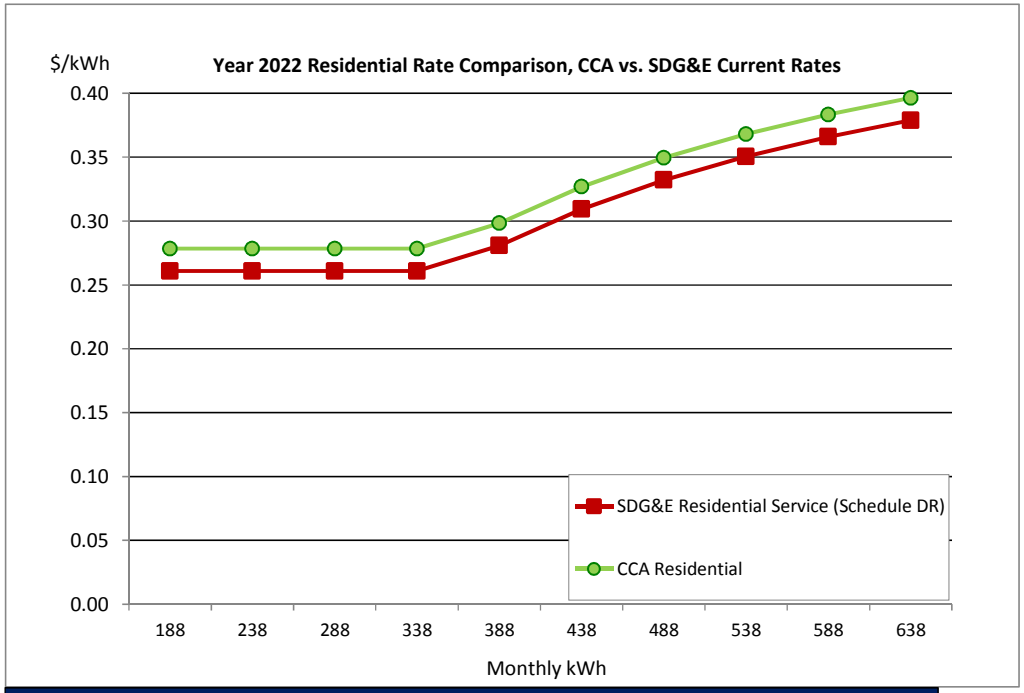


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2400	0.3165	113.57	0.0436	15.64
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.88	0.3570	0.2400	0.5970	26.84	0.0436	1.96
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0930	0.2370	85.51	(0.0108)	(3.89)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0930	0.4962	6.04	(0.0108)	(0.13)
Average Monthly Bill ($)						109.74				116.95		7.22
											Percentage Change	**6.6%**

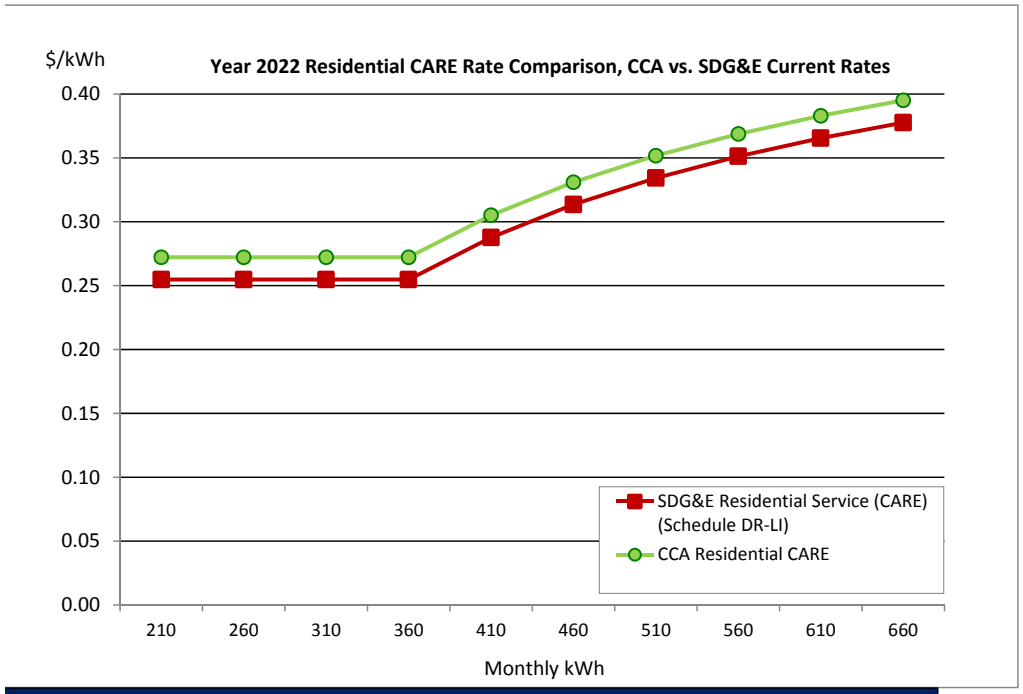


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2300	0.3059	109.77	0.0391	14.02
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.73	0.3564	0.2300	0.5864	39.35	0.0391	2.62
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0924	0.2358	85.08	(0.0059)	(2.13)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.35	0.4026	0.0924	0.4950	16.16	(0.0059)	(0.19)
Average Monthly Bill ($)						118.59				126.13		7.54
											Percentage Change	**6.4%**

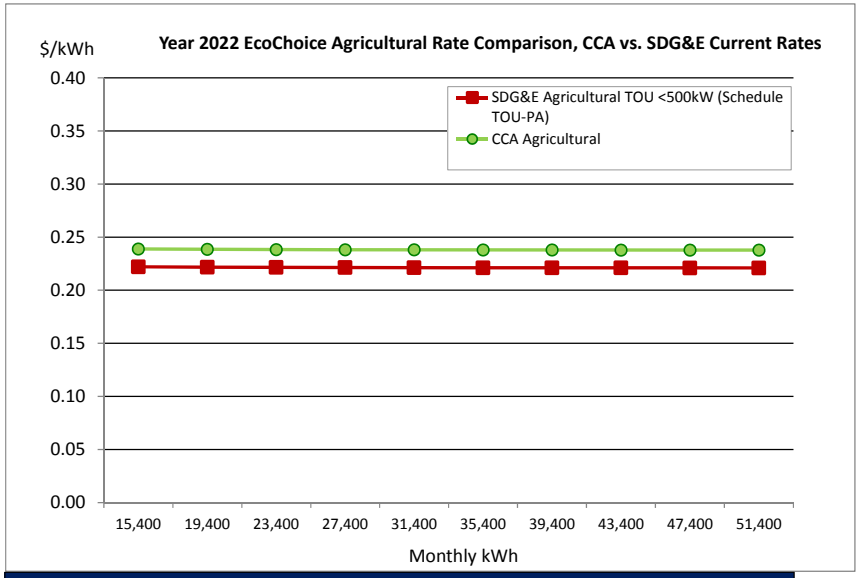


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.56	-	-	-	-	(4.0288)	(247.56)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,422 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.01	0.0891	0.2000	0.2891	2,146.03	(0.0024)	(17.97)
Semi-Peak Energy, $/kWh	9,543 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.08	0.0891	0.2000	0.2891	2,759.18	0.0369	352.10
Off-Peak Energy, $/kWh	18,508 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.47	0.0891	0.2000	0.2891	5,351.15	0.0788	1,457.67
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.86	0.0891	0.0811	0.1702	411.20	(0.0301)	(72.66)
Semi-Peak Energy, $/kWh	10,468 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,961.85	0.0891	0.0811	0.1702	1,781.88	(0.0172)	(179.97)
Off-Peak Energy, $/kWh	14,443 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,448.78	0.0891	0.0811	0.1702	2,458.65	0.0007	9.87
Average Monthly Bill ($)							7,181.55				7,840.48		658.93
												Percentage Change	**9.2%**

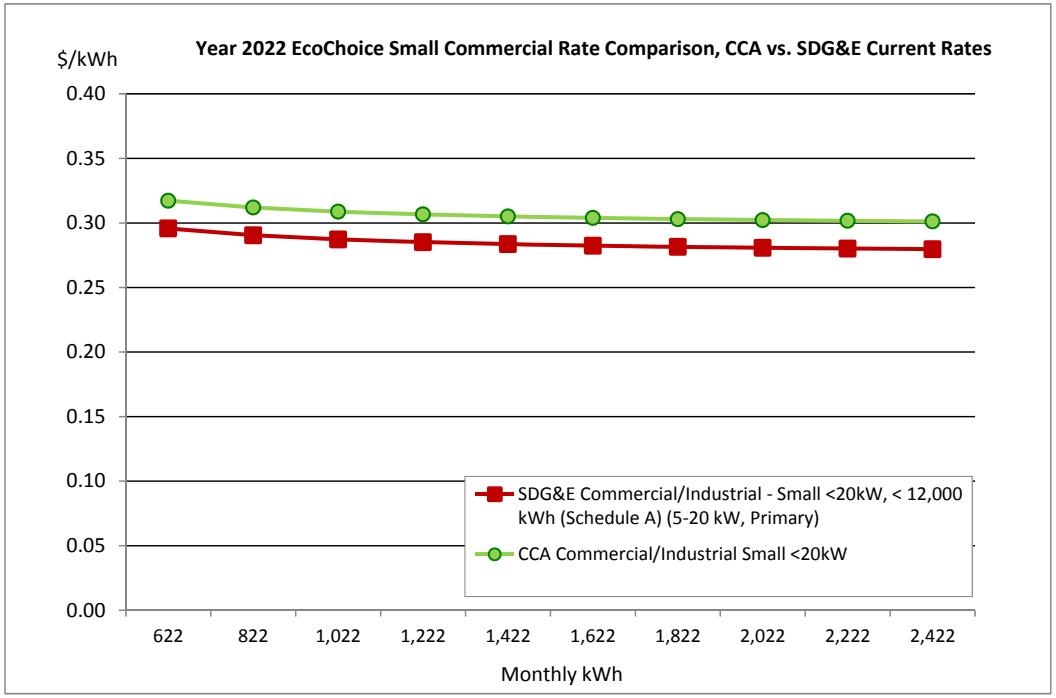


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	0.2200	0.3558	525.26	0.0441	65.06
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	0.0949	0.2307	315.51	(0.0029)	(3.91)
Average Monthly Bill ($)							405.94				437.84		31.89
												Percentage Change	**7.9%**

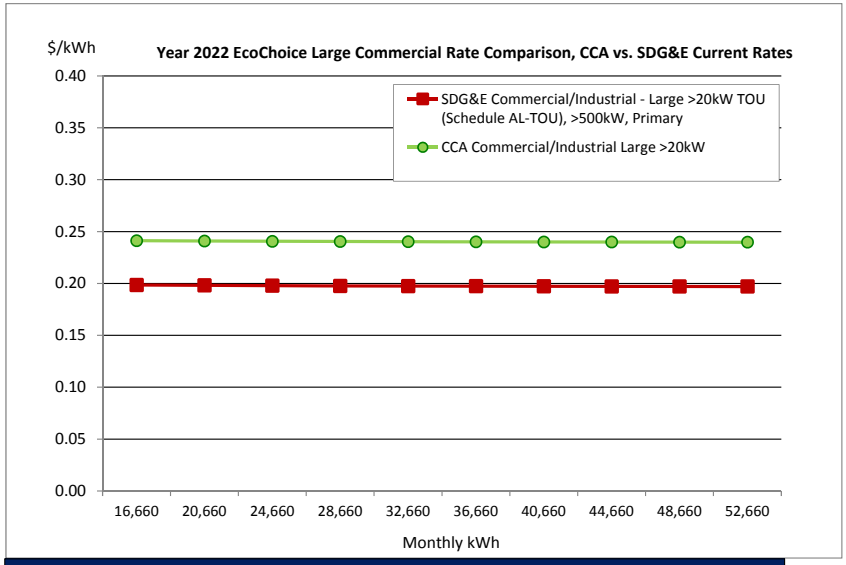


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.54	27.67	-	27.67	1,768.54	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.17	11.50	-	11.50	735.10	(13.27)	(848.07)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.36	0.0034	0.2200	0.2234	1,605.59	0.0773	555.24
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.43	0.0034	0.2200	0.2234	2,064.33	0.0891	822.90
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.05	0.0034	0.2200	0.2234	4,003.55	0.1266	2,268.50
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	0.0971	0.1005	275.11	(0.0312)	(85.42)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.05	0.0034	0.0971	0.1005	1,192.15	(0.0123)	(145.90)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.07	0.0034	0.0971	0.1005	1,644.94	0.0137	224.87
Average Monthly Bill ($)							6,471.09				7,961.67		1,490.57
												Percentage Change	**23.0%**

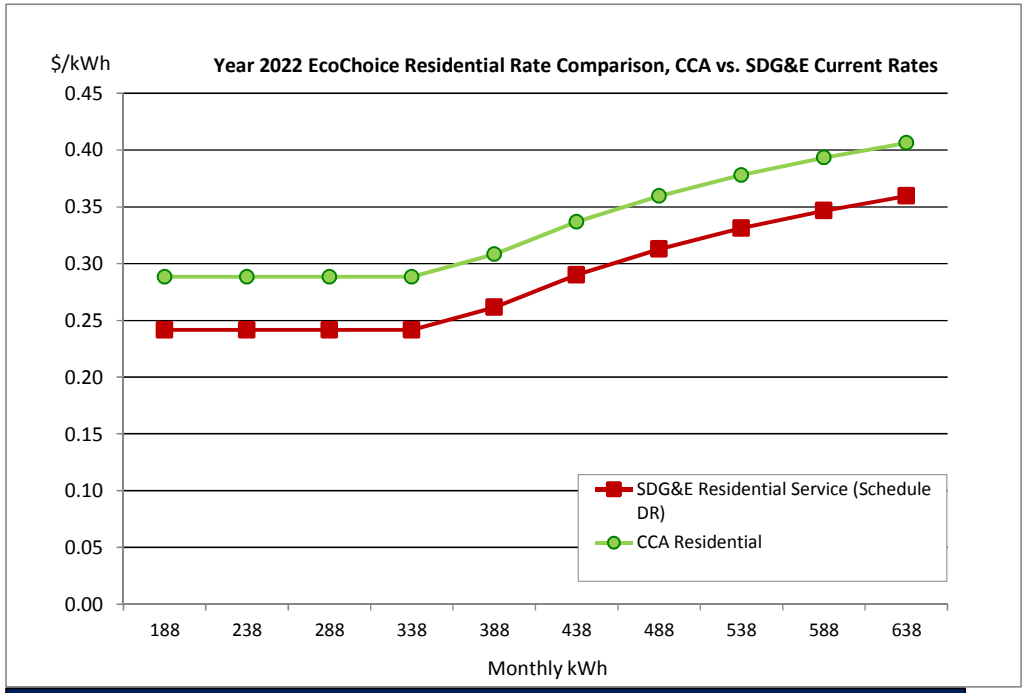


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	0.2500	0.3265	117.16	0.0729	26.16
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	0.2500	0.6070	27.29	0.0729	3.28
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	0.1030	0.2470	89.12	0.0185	6.69
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	0.1030	0.5062	6.16	0.0185	0.23
Average Monthly Bill ($)							102.22				120.84		18.62
												Percentage Change	**18.2%**

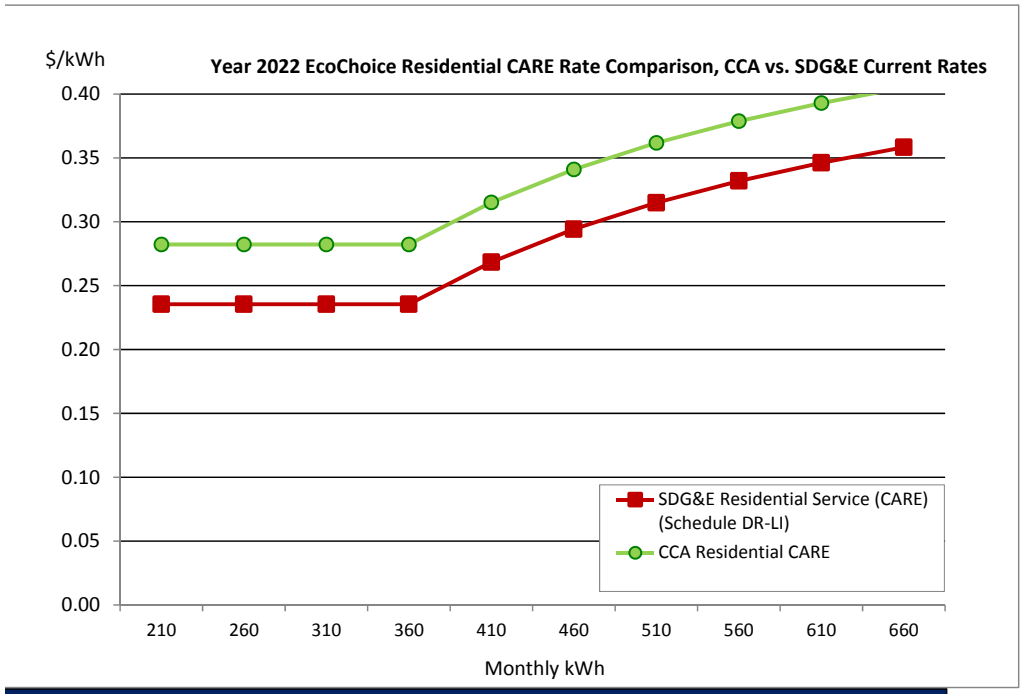


Scenario 5 - 80% RPS 2% Opt Up to 100%

Scenario: Scenario 5 - 80% RPS 2% Opt Up to 100%

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	0.2400	0.3159	113.36	0.0684	24.54
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	0.2400	0.5964	40.02	0.0684	4.59
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	0.1024	0.2458	88.69	0.0234	8.45
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.72	0.4026	0.1024	0.5050	16.48	0.0234	0.76
Average Monthly Bill ($)							110.66				130.23		19.57
												Percentage Change	**17.7%**



Scenario 5 - 80% RPS 2% Opt Up to 100%

PRO FORMA OUTPUTS

SENSITIVITY 1

HIGH SDG&E RATES

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	7,916,022
4	Total Non-Operating Expenses		24,139,048
5	Power Costs		668,991,523
6	Contingency/Rate Stabilization Fund		71,681,814
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**772,728,407**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	161,551
10	Total Non-Operating Expenses		492,634
11	Power Costs		16,936,848
12	Contingency/Rate Stabilization Fund		1,462,894
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**19,053,928**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**791,782,335**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description	Accounts	Test Year Annual Load (MWh)	Test Year Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,403
3	Outdoor Lighting Small <20kW	330	23,848	6,028
4	Commercial/Industrial Small <20kW	38,255	652,769	1,422
5	Commercial/Industrial Large >20kW	7,329	2,872,328	32,660
6	Residential	324,855	1,513,904	388
7	Residential CARE	88,021	432,703	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**459,875**	**5,552,985**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	664	11,333	1,422
14	Commercial/Industrial Large >20kW	87	33,998	32,660
15	Residential	14,591	67,996	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**15,341**	**113,326**	**34,471**
19	**TOTAL CCA**	**475,216**	**5,666,311**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Sensitivity 1 - High SDG&E Rates**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1700	0.0561	0.2000	0.0861
2	Outdoor Lighting Small <20kW	0.1400	0.0633	0.1700	0.0933
3	Commercial/Industrial Small <20kW	0.1800	0.0802	0.2100	0.1102
4	Commercial/Industrial Large >20kW	0.1900	0.0717	0.2200	0.1017
5	Residential	0.2100	0.0884	0.2400	0.1184
6	Residential CARE	0.2000	0.0877	0.2300	0.1177
7	Residential Outdoor Lighting	0.1400	0.0580	0.1700	0.0880

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Sensitivity 1 - High SDG&E Rates with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,253	55,828	55,730	55,666	55,697
2	Outdoor Lighting Small <20kW	15,231	23,902	23,861	23,824	23,860
3	Commercial/Industrial Small <20kW	101,195	654,172	653,106	652,280	652,921
4	Commercial/Industrial Large >20kW	1,983,116	2,878,573	2,873,865	2,870,269	2,872,852
5	Residential	-	1,038,519	1,514,735	1,512,828	1,514,149
6	Residential CARE	-	296,840	432,941	432,396	432,774
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988
	Sensitivity 1 - High SDG&E Rates with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,835	11,357	11,339	11,324	11,335
12	Commercial/Industrial Large >20kW	23,383	34,071	34,016	33,973	34,004
13	Residential	-	46,683	68,032	67,947	68,008
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	25,218	92,111	113,387	113,245	113,347
17	**Total MWh**	**2,165,013**	**5,041,116**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 4,848,037	$ 6,723,868	$ 6,712,068	$ 6,704,280	$ 6,708,089
20	Outdoor Lighting Small <20kW	1,499,458	2,353,160	2,349,084	2,345,432	2,348,947
21	Commercial/Industrial Small <20kW	13,358,298	86,354,641	86,214,005	86,104,909	86,189,603
22	Commercial/Industrial Large >20kW	265,560,585	385,471,925	384,841,399	384,359,835	384,705,799
23	Residential	-	157,449,090	229,647,762	229,358,684	229,558,945
24	Residential CARE	-	43,360,845	63,241,789	63,162,189	63,217,411
25	Residential Outdoor Lighting	-	115,264	170,811	170,582	170,787
26	Total	285,266,378	681,828,793	773,176,919	772,205,911	772,899,580
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	200,018	1,238,032	1,236,043	1,234,491	1,235,602
30	Commercial/Industrial Large >20kW	2,705,251	3,941,730	3,935,398	3,930,455	3,933,992
31	Residential	-	5,823,918	8,487,375	8,476,715	8,484,343
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 2,905,269	$ 11,003,680	$ 13,658,816	$ 13,641,661	$ 13,653,937
35	**TOTAL RATE REVENUE**	**$ 288,171,647**	**$ 692,832,473**	**$ 786,835,735**	**$ 785,847,572**	**$ 786,553,516**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 216,128,735**	**$ 649,403,306**	**$ 771,168,524**	**$ 786,012,266**	**$ 786,435,859**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Sensitivity 1 - High SDG&E Rates with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,428	55,399	55,357	55,425	55,251	55,252
2	Outdoor Lighting Small <20kW	23,732	23,719	23,701	23,748	23,654	23,656
3	Commercial/Industrial Small <20kW	649,552	649,173	648,652	649,767	647,505	647,538
4	Commercial/Industrial Large >20kW	2,858,217	2,856,612	2,854,405	2,859,043	2,849,272	2,849,404
5	Residential	1,506,610	1,505,718	1,504,541	1,506,940	1,501,926	1,502,074
6	Residential CARE	430,618	430,363	430,027	430,713	429,278	429,320
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,525,881	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964
	Sensitivity 1 - High SDG&E Rates with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,277	11,271	11,262	11,280	11,242	11,243
12	Commercial/Industrial Large >20kW	33,832	33,812	33,786	33,841	33,726	33,728
13	Residential	67,664	67,625	67,572	67,682	67,452	67,457
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	112,773	112,708	112,621	112,803	112,421	112,428
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,675,656	$ 6,672,149	$ 6,667,116	$ 6,675,312	$ 6,654,351	$ 6,654,493
20	Outdoor Lighting Small <20kW	2,336,394	2,335,063	2,333,362	2,337,985	2,328,747	2,328,867
21	Commercial/Industrial Small <20kW	85,744,769	85,694,826	85,626,019	85,773,207	85,474,623	85,479,011
22	Commercial/Industrial Large >20kW	382,745,938	382,531,016	382,235,466	382,856,600	381,548,187	381,565,802
23	Residential	228,416,022	228,280,778	228,102,311	228,465,943	227,705,784	227,728,290
24	Residential CARE	62,902,443	62,865,247	62,816,107	62,916,324	62,706,809	62,712,915
25	Residential Outdoor Lighting	169,876	169,778	169,651	169,978	169,338	169,346
26	Total	768,991,097	768,548,857	767,950,032	769,195,350	766,587,838	766,638,724
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,229,349	1,228,643	1,227,686	1,229,678	1,225,506	1,225,585
30	Commercial/Industrial Large >20kW	3,914,084	3,911,836	3,908,789	3,915,133	3,901,848	3,902,101
31	Residential	8,441,407	8,436,559	8,429,987	8,443,669	8,415,018	8,415,564
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 13,584,840	$ 13,577,038	$ 13,566,461	$ 13,588,480	$ 13,542,372	$ 13,543,251
35	**TOTAL RATE REVENUE**	**$ 782,575,937**	**$ 782,125,895**	**$ 781,516,493**	**$ 782,783,829**	**$ 780,130,210**	**$ 780,181,975**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 783,238,867**	**$ 782,200,902**	**$ 781,618,060**	**$ 782,572,607**	**$ 780,572,480**	**$ 780,173,347**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Sensitivity 1 - High SDG&E Rates with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,410	55,359	55,412	55,436
2	Outdoor Lighting Small <20kW	23,649	23,747	23,706	23,726	23,736
3	Commercial/Industrial Small <20kW	647,322	649,575	648,801	649,416	649,701
4	Commercial/Industrial Large >20kW	2,848,486	2,858,225	2,855,015	2,857,732	2,858,893
5	Residential	1,501,643	1,506,552	1,505,110	1,506,527	1,506,988
6	Residential CARE	429,196	430,601	430,187	430,592	430,725
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,507,247	5,525,835	5,519,902	5,525,130	5,527,204
	Sensitivity 1 - High SDG&E Rates with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,239	11,277	11,265	11,276	11,280
12	Commercial/Industrial Large >20kW	33,718	33,832	33,795	33,827	33,840
13	Residential	67,436	67,663	67,591	67,655	67,680
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	112,393	112,772	112,651	112,758	112,800
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,652,080	$ 6,673,480	$ 6,667,335	$ 6,673,749	$ 6,676,562
20	Outdoor Lighting Small <20kW	2,328,166	2,337,821	2,333,809	2,335,745	2,336,734
21	Commercial/Industrial Small <20kW	85,450,469	85,747,797	85,645,698	85,726,924	85,764,453
22	Commercial/Industrial Large >20kW	381,442,856	382,747,076	382,317,222	382,681,089	382,836,516
23	Residential	227,662,935	228,407,117	228,188,593	228,403,369	228,473,262
24	Residential CARE	62,694,851	62,900,073	62,839,579	62,898,741	62,918,175
25	Residential Outdoor Lighting	169,293	169,934	169,684	169,841	169,916
26	Total	766,400,649	768,983,298	768,161,920	768,889,458	769,175,619
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,225,203	1,229,338	1,228,018	1,229,182	1,229,643
30	Commercial/Industrial Large >20kW	3,900,885	3,914,051	3,909,848	3,913,552	3,915,020
31	Residential	8,412,942	8,441,336	8,432,273	8,440,260	8,443,427
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 13,539,030	$ 13,584,726	$ 13,570,139	$ 13,582,994	$ 13,588,090
35	**TOTAL RATE REVENUE**	**$ 779,939,679**	**$ 782,568,023**	**$ 781,732,060**	**$ 782,472,451**	**$ 782,763,709**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 779,980,062**	**$ 782,129,966**	**$ 781,871,387**	**$ 782,349,053**	**$ 782,715,166**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 216,128,735	$ 649,403,306	$ 771,168,524	$ 786,012,266	$ 786,435,859	$ 783,238,867	$ 782,200,902	$ 781,618,060
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 216,128,735	$ 649,403,306	$ 771,168,524	$ 786,012,266	$ 786,435,859	$ 783,238,867	$ 782,200,902	$ 781,618,060
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		166,619,357	381,968,618	418,624,481	420,513,945	413,324,294	410,662,128	401,150,788	399,893,907
7	SDG&E Service Charges		2,983,252	4,906,921	4,946,847	5,039,429	5,144,765	5,221,424	5,322,710	5,424,913
8	SDG&E CRS Charges		72,570,622	192,495,110	225,394,020	231,388,643	236,626,382	233,469,761	232,252,871	232,437,734
9	SDG&E Power Franchise Charges		9,630,599	22,077,786	24,196,495	24,305,706	23,890,144	23,736,271	23,186,516	23,113,868
10	ESP Charges		206,548	5,940,420	8,558,559	8,547,780	8,555,341	8,512,569	8,507,546	8,500,884
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,477	541,929	729,317	735,669	743,543	749,746	758,659	767,668
15	Uncollectable Accounts		406,322	1,220,878	1,449,797	1,477,703	1,478,499	1,472,489	1,470,538	1,469,442
16	**Total Operating Expenses**		$ 255,093,168	$ 613,709,298	$ 689,622,604	$ 697,880,008	$ 695,786,941	$ 690,006,612	$ 678,995,272	$ 678,122,282
17	Contingency/Rate Stabilization Fund		26,986,675	64,757,718	72,674,064	73,516,558	73,243,503	72,641,865	71,456,398	71,357,954
18	**Total Operating Expenses & Contin/Rate Stab**		$ 282,079,843	$ 678,467,017	$ 762,296,668	$ 771,396,565	$ 769,030,444	$ 762,648,478	$ 750,451,670	$ 749,480,237
19	**Net Operating Revenues**		$ (65,951,108)	$ (29,063,711)	$ 8,871,857	$ 14,615,700	$ 17,405,415	$ 20,590,389	$ 31,749,232	$ 32,137,824
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,031,611	2,942,924	2,666,398	2,564,484	2,503,767	2,472,317	2,512,722	2,611,147
22	Total Non-Operating Revenues (Expenses)		$ 1,731,611	$ 2,942,924	$ 2,666,398	$ 2,564,484	$ 2,413,551	$ 2,472,317	$ 2,512,722	$ 2,586,882
23	**Net Operating Income**		$ (64,219,497)	$ (26,120,787)	$ 11,538,255	$ 17,180,184	$ 19,818,966	$ 23,062,706	$ 34,261,954	$ 34,724,705
	Debt Service	[3]								
24	Borrowing 1		$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
29	**Debt Service Coverage (Target=1.25)**		(3.92)	(1.59)	0.47	0.70	0.81	0.94	1.39	1.41
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102
35	Deposit/(Withdrawal) from Operations	$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 397,640,035	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (24,601,610)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (32,795,054)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	16,397,527	16,397,527	-	-	-	-	-	-
41	Ending Year Balance	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102	$ 242,880,198
42	Targeted Working Capital Balance	$ 99,170,706	$ 241,605,948	$ 273,184,403	$ 276,954,579	$ 277,071,412	$ 274,646,300	$ 270,736,127	$ 270,506,483
43	Surplus/(Deficiency)	$ 176,853,167	$ 8,297,139	$ (36,344,671)	$ (47,536,273)	$ (52,435,750)	$ (51,549,541)	$ (37,979,025)	$ (27,626,285)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	1%	-5%	-6%	-7%	-7%	-5%	-4%
45	% Surplus/(Deficiency) to Target	178%	3%	-13%	-17%	-19%	-19%	-14%	-10%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102
47	Total Operating Revenues	216,128,735	649,403,306	771,168,524	786,012,266	786,435,859	783,238,867	782,200,902	781,618,060
48	Total Operating Expenses	(255,093,168)	(613,709,298)	(689,622,604)	(697,880,008)	(695,786,941)	(690,006,612)	(678,995,272)	(678,122,282)
49	Contingency/Rate Stabilization Fund	(26,986,675)	(64,757,718)	(72,674,064)	(73,516,558)	(73,243,503)	(72,641,865)	(71,456,398)	(71,357,954)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	340,243,371	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	16,397,527	16,397,527	-	-	-	-	-	-
54	Total Debt Service	(16,397,527)	(16,397,527)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)
55	Total Funds	$ 273,992,263	$ 246,960,163	$ 234,173,334	$ 226,853,822	$ 222,131,896	$ 220,624,442	$ 230,244,381	$ 240,269,051
56	Average Annual Balance	$ 182,661,509	$ 261,492,018	$ 242,038,210	$ 231,846,777	$ 225,775,101	$ 222,630,052	$ 226,670,570	$ 236,513,077
57	Annual Interest Earnings, All Funds	$ 2,031,611	$ 2,942,924	$ 2,666,398	$ 2,564,484	$ 2,503,767	$ 2,472,317	$ 2,512,722	$ 2,611,147
	Year Ending Balance, with Interest	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102	$ 242,880,198
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
59	Deposit from Bond Proceeds	$ 24,601,610	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
62	Average Annual Balance	$ 12,300,805	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
63	Annual Interest Earnings, to Operating Fund	$ 123,008	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 16,397,527	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 32,795,054	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (16,397,527)	$ (16,397,527)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 16,397,527	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 8,198,764	$ 8,198,764	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 81,988	$ 81,988	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 782,572,607	$ 780,572,480	$ 780,173,347	$ 779,980,062	$ 782,129,966	$ 781,871,387	$ 782,349,053	$ 782,715,166
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 782,572,607	$ 780,572,480	$ 780,173,347	$ 779,980,062	$ 782,129,966	$ 781,871,387	$ 782,349,053	$ 782,715,166
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		399,985,799	396,407,943	393,398,364	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
7	SDG&E Service Charges		5,542,301	5,634,238	5,747,456	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
8	SDG&E CRS Charges		234,774,894	236,124,428	237,652,118	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
9	SDG&E Power Franchise Charges		23,119,179	22,912,379	22,738,425	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
10	ESP Charges		8,514,542	8,486,061	8,486,848	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,079	786,675	797,165	807,877	820,202	830,886	842,514	853,958
15	Uncollectable Accounts		1,471,237	1,467,476	1,466,726	1,466,363	1,470,404	1,469,918	1,470,816	1,471,505
16	**Total Operating Expenses**		$ 680,873,187	$ 678,684,992	$ 677,336,887	$ 668,994,753	$ 670,911,269	$ 674,069,615	$ 667,118,113	$ 667,379,862
17	Contingency/Rate Stabilization Fund		71,633,859	71,383,316	71,221,821	70,305,281	70,494,734	70,827,561	70,059,504	70,072,264
18	**Total Operating Expenses & Contin/Rate Stab**		$ 752,507,047	$ 750,068,309	$ 748,558,708	$ 739,300,034	$ 741,406,003	$ 744,897,176	$ 737,177,617	$ 737,452,126
19	**Net Operating Revenues**		$ 30,065,560	$ 30,504,171	$ 31,614,639	$ 40,680,027	$ 40,723,963	$ 36,974,211	$ 45,171,436	$ 45,263,041
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		2,701,597	2,784,904	2,876,112	3,019,111	3,209,798	3,383,863	3,582,266	3,824,098
22	Total Non-Operating Revenues (Expenses)		$ 2,593,373	$ 2,784,904	$ 2,632,273	$ 3,019,111	$ 3,108,170	$ 3,383,863	$ 3,552,826	$ 3,824,098
23	**Net Operating Income**		$ 32,658,933	$ 33,289,075	$ 34,246,912	$ 43,699,138	$ 43,832,133	$ 40,358,074	$ 48,724,262	$ 49,087,138
	Debt Service	[3]								
24	Borrowing 1		$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
29	**Debt Service Coverage (Target=1.25)**		1.33	1.35	1.39	1.78	1.78	1.64	1.98	2.00
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 242,880,198	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456
35	Deposit/(Withdrawal) from Operations	$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456	$ 371,962,985
42	Targeted Working Capital Balance	$ 271,848,408	$ 271,341,101	$ 271,157,265	$ 268,527,228	$ 269,511,992	$ 270,763,250	$ 268,649,214	$ 269,020,106
43	Surplus/(Deficiency)	$ (20,910,887)	$ (11,716,115)	$ (1,886,977)	$ 19,840,589	$ 38,086,348	$ 52,591,554	$ 78,828,242	$ 102,942,878
44	Ratio of Surplus/(Deficiency) to Revenues	-3%	-2%	0%	3%	5%	7%	10%	13%
45	% Surplus/(Deficiency) to Target	-8%	-4%	-1%	7%	14%	19%	29%	38%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 242,880,198	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456
47	Total Operating Revenues	782,572,607	780,572,480	780,173,347	779,980,062	782,129,966	781,871,387	782,349,053	782,715,166
48	Total Operating Expenses	(680,873,187)	(678,684,992)	(677,336,887)	(668,994,753)	(670,911,269)	(674,069,615)	(667,118,113)	(667,379,862)
49	Contingency/Rate Stabilization Fund	(71,633,859)	(71,383,316)	(71,221,821)	(70,305,281)	(70,494,734)	(70,827,561)	(70,059,504)	(70,072,264)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)
55	Total Funds	$ 248,235,924	$ 256,840,082	$ 266,394,176	$ 285,348,706	$ 304,388,542	$ 319,970,941	$ 343,895,190	$ 368,138,887
56	Average Annual Balance	$ 245,558,061	$ 253,888,801	$ 263,009,581	$ 277,309,497	$ 296,378,180	$ 313,784,641	$ 333,624,997	$ 357,808,171
57	Annual Interest Earnings, All Funds	$ 2,701,597	$ 2,784,904	$ 2,876,112	$ 3,019,111	$ 3,209,798	$ 3,383,863	$ 3,582,266	$ 3,824,098
	Year Ending Balance, with Interest	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456	$ 371,962,985
	Bond Reserve Fund								
58	Beginning Year Balance	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
62	Average Annual Balance	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
63	Annual Interest Earnings, to Operating Fund	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,475	340,793	475,476	474,877	475,297
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	166,619,357	381,968,618	418,624,481	420,513,945	413,324,294
5	SDG&E Service Charges	2,983,252	4,906,921	4,946,847	5,039,429	5,144,765
6	SDG&E CRS Charges	72,570,622	192,495,110	225,394,020	231,388,643	236,626,382
7	SDG&E Power Franchise Charges	9,630,599	22,077,786	24,196,495	24,305,706	23,890,144
8	ESP Charges	206,548	5,940,420	8,558,559	8,547,780	8,555,341
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,477	541,929	729,317	735,669	743,543
13	Uncollectable Accounts	$ 406,322	$ 1,220,878	$ 1,449,797	$ 1,477,703	$ 1,478,499
14	**Total Operating Expenses**	$ 255,093,168	$ 613,709,298	$ 689,622,604	$ 697,880,008	$ 695,786,941
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	16,397,527	16,397,527	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 16,697,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,691,826
19	**Total Operating & Non-Operating Expenses**	**$ 271,790,695**	**$ 630,106,826**	**$ 714,224,213**	**$ 722,481,618**	**$ 720,478,767**
20	Contingency/Rate Stabilization Fund	$ 26,986,675	$ 64,757,718	$ 72,674,064	$ 73,516,558	$ 73,243,503
21	**Total Expenses Incl. Contingency**	$ 298,777,370	$ 694,864,544	$ 786,898,278	$ 795,998,175	$ 793,722,269

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,920	472,641	472,271	473,030	471,448	471,492
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	410,662,128	401,150,788	399,893,907	399,985,799	396,407,943	393,398,364
5	SDG&E Service Charges	5,221,424	5,322,710	5,424,913	5,542,301	5,634,238	5,747,456
6	SDG&E CRS Charges	233,469,761	232,252,871	232,437,734	234,774,894	236,124,428	237,652,118
7	SDG&E Power Franchise Charges	23,736,271	23,186,516	23,113,868	23,119,179	22,912,379	22,738,425
8	ESP Charges	8,512,569	8,507,546	8,500,884	8,514,542	8,486,061	8,486,848
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,746	758,659	767,668	778,079	786,675	797,165
13	Uncollectable Accounts	$ 1,472,489	$ 1,470,538	$ 1,469,442	$ 1,471,237	$ 1,467,476	$ 1,466,726
14	**Total Operating Expenses**	$ 690,006,612	$ 678,995,272	$ 678,122,282	$ 680,873,187	$ 678,684,992	$ 677,336,887
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,601,610	$ 24,601,610	$ 24,625,875	$ 24,709,834	$ 24,601,610	$ 24,845,449
19	**Total Operating & Non-Operating Expenses**	**$ 714,608,222**	**$ 703,596,882**	**$ 702,748,157**	**$ 705,583,021**	**$ 703,286,602**	**$ 702,182,336**
20	Contingency/Rate Stabilization Fund	$ 72,641,865	$ 71,456,398	$ 71,357,954	$ 71,633,859	$ 71,383,316	$ 71,221,821
21	**Total Expenses Incl. Contingency**	$ 787,250,088	$ 775,053,280	$ 774,106,112	$ 777,216,881	$ 774,669,918	$ 773,404,157

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,354	472,906	472,441	472,886	473,038
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
5	SDG&E Service Charges	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
6	SDG&E CRS Charges	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
7	SDG&E Power Franchise Charges	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
8	ESP Charges	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,877	820,202	830,886	842,514	853,958
13	Uncollectable Accounts	$ 1,466,363	$ 1,470,404	$ 1,469,918	$ 1,470,816	$ 1,471,505
14	**Total Operating Expenses**	$ 668,994,753	$ 670,911,269	$ 674,069,615	$ 667,118,113	$ 667,379,862
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,601,610	$ 24,703,237	$ 24,601,610	$ 24,631,050	$ 24,601,610
19	**Total Operating & Non-Operating Expenses**	**$ 693,596,363**	**$ 695,614,507**	**$ 698,671,225**	**$ 691,749,162**	**$ 691,981,472**
20	Contingency/Rate Stabilization Fund	$ 70,305,281	$ 70,494,734	$ 70,827,561	$ 70,059,504	$ 70,072,264
21	**Total Expenses Incl. Contingency**	$ 763,901,644	$ 766,109,241	$ 769,498,786	$ 761,808,667	$ 762,053,736

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 1 - High SDG&E Rates**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 203,539	$ 5,940,420	$ 8,282,264	$ 8,271,832	$ 8,279,145	$ 8,237,770
2		Opt-up to 100%	$ 3,009	$ -	$ 276,295	$ 275,948	$ 276,196	$ 274,799
3		**Total Projected ESP Costs**	$ 206,548	$ 5,940,420	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	135,692	3,960,280	5,521,510	5,514,555	5,519,430	5,491,847
4		Opt-up to 100%	2,006		184,197	183,965	184,131	183,199
5		**Total Customer Accounts Billing Determinants**	137,699	3,960,280	5,705,706	5,698,520	5,703,561	5,675,046
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988	5,525,881
6		Opt-up to 100%	25,218	92,111	113,387	113,245	113,347	112,773
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 1 - High SDG&E Rates**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,232,905	$ 8,226,457	$ 8,239,669	$ 8,212,122	$ 8,212,890	$ 8,210,494
2		Opt-up to 100%	$ 274,641	$ 274,427	$ 274,872	$ 273,940	$ 273,957	$ 273,872
3		**Total Projected ESP Costs**	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
		Customer Accounts Billing Determinants						
4		Baseload	5,488,603	5,484,304	5,493,113	5,474,748	5,475,260	5,473,663
4		Opt-up to 100%	183,094	182,951	183,248	182,626	182,638	182,581
5		**Total Customer Accounts Billing Determinants**	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964	5,507,247
6		Opt-up to 100%	112,708	112,621	112,803	112,421	112,428	112,393
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 1 - High SDG&E Rates**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,237,517	$ 8,229,433	$ 8,237,185	$ 8,239,817	$ 121,493,460
2		Opt-up to 100%	$ 274,796	$ 274,501	$ 274,761	$ 274,864	$ 3,850,879
3		**Total Projected ESP Costs**	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,344,339
		Customer Accounts Billing Determinants					
4		Baseload	5,491,678	5,486,289	5,491,456	5,493,211	80,995,640
4		Opt-up to 100%	183,198	183,001	183,174	183,243	2,567,253
5		**Total Customer Accounts Billing Determinants**	5,674,876	5,669,290	5,674,631	5,676,454	83,562,892
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,525,835	5,519,902	5,525,130	5,527,204	84,464,999
6		Opt-up to 100%	112,772	112,651	112,758	112,800	1,696,435
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 108,064,368	$ 216,298,252	$ 432,935,537	$ 750,874,321	$ 1,508,172,478
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 61,615,301	$ 67,394,227	$ 175,654,761	$ 254,537,363	$ 559,201,652
4	Power Procurement	$ 122,567,693	$ 130,221,423	$ 295,798,859	$ 418,624,481	$ 967,212,457
5	Total ESP Charges	$ 74,829	$ 405,004	$ 5,860,991	$ 8,558,559	$ 14,899,383
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,446	$ 1,982,948	$ 3,096,932	$ 5,701,756	$ 12,085,081
8	**Subtotal Expenses**	$ 186,184,393	$ 200,349,852	$ 480,834,877	$ 687,611,097	$ 1,554,980,219
9	Contingency	$ 6,361,670	$ 7,012,843	$ 18,503,602	$ 26,898,662	58,776,776
10	**Total Expenses**	$ 192,546,063	$ 207,362,695	$ 499,338,479	$ 714,509,759	$ 1,613,756,995
11	Cash Flow	$ (84,481,695)	$ 8,935,557	$ (66,402,941)	$ 36,364,563	$ (105,584,517)
12	Cumulative Cash Flow	$ (84,481,695)	$ (75,546,138)	$ (141,949,079)	$ (105,584,517)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 1 - High SDG&E Rates

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,334	81	235,510	2,630	$ 588,000	$ 12,000
2	I	2020	Jun	7,946	84	250,148	2,748	$ -	$ -
3	I	2020	Jul	8,527	93	269,002	3,033	$ -	$ -
4	I	2020	Aug	8,206	92	259,136	3,001	$ -	$ -
5	I	2020	Sep	9,219	106	291,759	3,468	$ -	$ -
6	I	2020	Oct	8,106	92	256,018	2,998	$ -	$ -
7	II	2020	Nov	44,194	729	294,628	3,667	$ 294,000	$ 6,000
8	II	2020	Dec	42,160	730	283,595	3,672	$ -	$ -
9	II	2021	Jan	45,353	758	284,833	3,814	$ -	$ -
10	II	2021	Feb	44,641	708	286,638	3,561	$ -	$ -
11	II	2021	Mar	44,624	696	282,363	3,502	$ -	$ -
12	II	2021	Apr	44,729	682	282,741	3,429	$ -	$ -
13	III	2021	May	404,364	14,192	428,073	8,736	$ 294,000	$ 6,000
14	III	2021	Jun	414,154	14,823	447,124	9,125	$ -	$ -
15	III	2021	Jul	473,349	16,293	491,460	10,030	$ -	$ -
16	III	2021	Aug	491,046	16,249	490,120	10,002	$ -	$ -
17	III	2021	Sep	593,322	18,811	567,415	11,580	$ -	$ -
18	III	2021	Oct	500,085	16,204	488,774	9,975	$ -	$ -
19	III	2021	Nov	438,580	14,903	449,513	9,174	$ -	$ -
20	III	2021	Dec	466,035	14,917	449,953	9,183	$ -	$ -
21		2022	Jan	510,713	15,511	467,859	9,548	$ -	$ -
22		2022	Feb	425,662	14,450	435,862	8,895	$ -	$ -
23		2022	Mar	418,121	14,212	428,677	8,749	$ -	$ -
24		2022	Apr	392,454	13,845	417,616	8,523	$ -	$ -
25		2022	May	404,816	14,208	428,550	8,746	$ -	$ -
26		2022	Jun	413,013	14,783	445,892	9,100	$ -	$ -
27		2022	Jul	470,635	16,200	488,641	9,972	$ -	$ -
28		2022	Aug	491,351	16,259	490,425	10,009	$ -	$ -
29		2022	Sep	592,736	18,793	566,854	11,568	$ -	$ -
30		2022	Oct	498,443	16,151	487,169	9,942	$ -	$ -
31		2022	Nov	438,130	14,887	449,052	9,164	$ -	$ -
32		2022	Dec	465,437	14,898	449,375	9,171	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 1 - High SDG8

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,443,850	$ 8,024,915	$ 1,010,835	$ 10,346,778	$ 132,821
2	I	2020	Jun	$ 6,692	$ 8,471,282	$ 1,109,587	$ 9,477,757	$ 109,803
3	I	2020	Jul	$ 7,183	$ 9,126,288	$ 1,185,279	$ 10,197,934	$ 120,816
4	I	2020	Aug	$ 6,915	$ 8,806,358	$ 1,257,625	$ 9,949,478	$ 121,420
5	I	2020	Sep	$ 7,771	$ 9,920,928	$ 1,337,608	$ 11,128,053	$ 138,253
6	I	2020	Oct	$ 6,832	$ 8,701,876	$ 1,183,479	$ 9,772,377	$ 119,809
7	II	2020	Nov	$ 1,468,267	$ 9,946,465	$ 1,285,222	$ 12,526,307	$ 173,646
8	II	2020	Dec	$ 35,742	$ 9,572,512	$ 1,260,964	$ 10,723,229	$ 145,989
9	II	2021	Jan	$ 39,194	$ 9,706,025	$ 1,266,635	$ 10,859,430	$ 152,425
10	II	2021	Feb	$ 38,546	$ 9,756,504	$ 1,251,505	$ 10,904,279	$ 142,275
11	II	2021	Mar	$ 38,522	$ 9,611,280	$ 1,216,418	$ 10,727,020	$ 139,201
12	II	2021	Apr	$ 38,599	$ 9,615,773	$ 1,246,053	$ 10,763,589	$ 136,836
13	III	2021	May	$ 1,786,604	$ 17,152,440	$ 1,851,263	$ 20,314,286	$ 476,021
14	III	2021	Jun	$ 364,631	$ 17,818,008	$ 2,086,230	$ 19,794,120	$ 474,748
15	III	2021	Jul	$ 416,196	$ 19,719,067	$ 2,229,097	$ 21,844,088	$ 520,273
16	III	2021	Aug	$ 431,200	$ 19,805,727	$ 2,196,035	$ 21,916,436	$ 516,527
17	III	2021	Sep	$ 520,313	$ 23,111,545	$ 2,642,398	$ 25,675,855	$ 598,401
18	III	2021	Oct	$ 438,846	$ 19,829,402	$ 2,250,842	$ 22,003,249	$ 515,841
19	III	2021	Nov	$ 385,460	$ 18,084,276	$ 1,959,240	$ 19,956,091	$ 472,884
20	III	2021	Dec	$ 408,809	$ 18,285,063	$ 1,882,068	$ 20,106,225	$ 469,716
21		2022	Jan	$ 456,236	$ 19,285,319	$ 2,010,904	$ 21,258,406	$ 494,053
22		2022	Feb	$ 381,577	$ 17,617,027	$ 1,837,103	$ 19,377,528	$ 458,179
23		2022	Mar	$ 374,833	$ 17,319,272	$ 1,797,417	$ 19,039,852	$ 451,670
24		2022	Apr	$ 352,261	$ 16,761,619	$ 1,854,776	$ 18,525,679	$ 442,977
25		2022	May	$ 363,293	$ 17,267,948	$ 1,872,932	$ 19,052,008	$ 452,165
26		2022	Jun	$ 370,899	$ 17,868,533	$ 1,886,872	$ 19,657,391	$ 468,913
27		2022	Jul	$ 422,086	$ 19,716,251	$ 2,130,641	$ 21,752,924	$ 516,054
28		2022	Aug	$ 440,098	$ 19,929,911	$ 2,231,461	$ 22,082,632	$ 518,838
29		2022	Sep	$ 530,195	$ 23,219,598	$ 2,537,122	$ 25,686,520	$ 600,394
30		2022	Oct	$ 446,153	$ 19,876,095	$ 2,206,182	$ 22,013,155	$ 515,275
31		2022	Nov	$ 392,766	$ 18,167,433	$ 1,978,742	$ 20,064,011	$ 474,930
32		2022	Dec	$ 416,450	$ 18,365,014	$ 1,852,344	$ 20,163,082	$ 470,727
		Total		$ 12,837,020	$ 490,459,752	$ 55,904,880	$ 547,659,769	$ 11,541,882

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 1 - High SDG8

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 17,240,464	$ 248,023	$ 11,001	$ 121	$ 3,777	$ 77	$ 212,896	$ 4,345
2	I	2020	Jun	$ 18,919,423	$ 277,576	$ 11,919	$ 126	$ 3,777	$ 77	$ 212,896	$ 4,345
3	I	2020	Jul	$ 20,206,353	$ 300,209	$ 12,791	$ 139	$ 3,777	$ 77	$ 212,896	$ 4,345
4	I	2020	Aug	$ 21,428,683	$ 329,543	$ 12,310	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
5	I	2020	Sep	$ 22,797,263	$ 344,743	$ 13,828	$ 159	$ 3,777	$ 77	$ 212,896	$ 4,345
6	I	2020	Oct	$ 20,171,971	$ 303,441	$ 12,160	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
7	II	2020	Nov	$ 21,871,441	$ 364,230	$ 66,290	$ 1,093	$ 7,554	$ 154	$ 212,896	$ 4,345
8	II	2020	Dec	$ 21,438,011	$ 377,982	$ 63,241	$ 1,095	$ 7,554	$ 154	$ 212,896	$ 4,345
9	II	2021	Jan	$ 21,527,831	$ 386,275	$ 68,029	$ 1,137	$ 7,554	$ 154	$ 379,374	$ 7,742
10	II	2021	Feb	$ 21,292,699	$ 359,636	$ 66,961	$ 1,062	$ 7,554	$ 154	$ 379,374	$ 7,742
11	II	2021	Mar	$ 20,703,974	$ 341,327	$ 66,935	$ 1,044	$ 7,554	$ 154	$ 379,374	$ 7,742
12	II	2021	Apr	$ 21,214,315	$ 343,702	$ 67,093	$ 1,022	$ 7,554	$ 154	$ 379,374	$ 7,742
13	III	2021	May	$ 31,212,276	$ 816,487	$ 606,547	$ 21,288	$ 15,108	$ 308	$ 379,374	$ 7,742
14	III	2021	Jun	$ 35,112,515	$ 981,429	$ 621,231	$ 22,235	$ 15,108	$ 308	$ 379,374	$ 7,742
15	III	2021	Jul	$ 37,513,785	$ 1,051,914	$ 710,024	$ 24,440	$ 15,108	$ 308	$ 379,374	$ 7,742
16	III	2021	Aug	$ 36,984,919	$ 1,008,767	$ 736,568	$ 24,373	$ 15,108	$ 308	$ 379,374	$ 7,742
17	III	2021	Sep	$ 44,541,193	$ 1,175,040	$ 889,983	$ 28,217	$ 15,108	$ 308	$ 379,374	$ 7,742
18	III	2021	Oct	$ 37,923,236	$ 1,018,675	$ 750,127	$ 24,306	$ 15,108	$ 308	$ 379,374	$ 7,742
19	III	2021	Nov	$ 32,986,356	$ 910,531	$ 657,870	$ 22,354	$ 15,108	$ 308	$ 379,374	$ 7,742
20	III	2021	Dec	$ 31,713,143	$ 848,594	$ 699,052	$ 22,376	$ 15,108	$ 308	$ 379,374	$ 7,742
21		2022	Jan	$ 33,858,228	$ 932,493	$ 766,069	$ 23,266	$ 15,430	$ 315	$ 465,643	$ 9,503
22		2022	Feb	$ 30,951,162	$ 832,632	$ 638,493	$ 21,675	$ 15,430	$ 315	$ 465,643	$ 9,503
23		2022	Mar	$ 30,260,218	$ 836,965	$ 627,182	$ 21,318	$ 15,430	$ 315	$ 465,643	$ 9,503
24		2022	Apr	$ 31,222,944	$ 866,606	$ 588,680	$ 20,768	$ 15,430	$ 315	$ 465,643	$ 9,503
25		2022	May	$ 31,556,068	$ 847,594	$ 607,224	$ 21,312	$ 15,430	$ 315	$ 465,643	$ 9,503
26		2022	Jun	$ 31,789,764	$ 855,083	$ 619,520	$ 22,174	$ 15,430	$ 315	$ 465,643	$ 9,503
27		2022	Jul	$ 35,887,444	$ 974,854	$ 705,952	$ 24,300	$ 15,430	$ 315	$ 465,643	$ 9,503
28		2022	Aug	$ 37,612,596	$ 993,988	$ 737,026	$ 24,389	$ 15,430	$ 315	$ 465,643	$ 9,503
29		2022	Sep	$ 42,733,843	$ 1,160,994	$ 889,103	$ 28,189	$ 15,430	$ 315	$ 465,643	$ 9,503
30		2022	Oct	$ 37,183,893	$ 985,346	$ 747,665	$ 24,227	$ 15,430	$ 315	$ 465,643	$ 9,503
31		2022	Nov	$ 33,326,541	$ 907,742	$ 657,195	$ 22,331	$ 15,430	$ 315	$ 465,643	$ 9,503
32		2022	Dec	$ 31,217,710	$ 829,773	$ 698,155	$ 22,347	$ 15,430	$ 315	$ 465,643	$ 9,503
		Total		$ 944,400,263	$ 22,812,194	$ 14,426,223	$ 473,160	$ 374,014	$ 7,633	$ 11,843,379	$ 241,702

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 1 - High SDG8

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 28,402,916	$ 397,386	$ 1,116,245	$ 14,936	$ 29,519,161	$ 412,323	$ 29,931,484
2	I	2020	Jun	$ 28,625,773	$ 391,928	$ 970,635	$ 11,435	$ 29,596,408	$ 403,363	$ 29,999,771
3	I	2020	Jul	$ 30,633,751	$ 425,587	$ 1,042,740	$ 12,538	$ 31,676,491	$ 438,124	$ 32,114,615
4	I	2020	Aug	$ 31,607,144	$ 455,523	$ 1,017,846	$ 12,598	$ 32,624,990	$ 468,121	$ 33,093,112
5	I	2020	Sep	$ 34,155,817	$ 487,577	$ 1,135,855	$ 14,283	$ 35,291,673	$ 501,860	$ 35,793,533
6	I	2020	Oct	$ 30,173,181	$ 427,810	$ 1,000,121	$ 12,437	$ 31,173,302	$ 440,247	$ 31,613,549
7	II	2020	Nov	$ 34,978,489	$ 549,468	$ 1,310,705	$ 18,524	$ 36,289,194	$ 567,992	$ 36,857,186
8	II	2020	Dec	$ 32,444,931	$ 529,565	$ 1,100,692	$ 15,158	$ 33,545,623	$ 544,724	$ 34,090,346
9	II	2021	Jan	$ 32,842,219	$ 547,733	$ 1,131,439	$ 16,146	$ 33,973,658	$ 563,879	$ 34,537,537
10	II	2021	Feb	$ 32,650,868	$ 510,870	$ 1,135,817	$ 15,123	$ 33,786,685	$ 525,994	$ 34,312,678
11	II	2021	Mar	$ 31,884,857	$ 489,468	$ 1,118,088	$ 14,814	$ 33,002,946	$ 504,282	$ 33,507,228
12	II	2021	Apr	$ 32,431,926	$ 489,457	$ 1,121,761	$ 14,575	$ 33,553,687	$ 504,032	$ 34,057,719
13	III	2021	May	$ 52,821,591	$ 1,327,846	$ 2,160,932	$ 51,136	$ 54,982,523	$ 1,378,982	$ 56,361,505
14	III	2021	Jun	$ 55,922,349	$ 1,486,463	$ 2,080,983	$ 50,503	$ 58,003,332	$ 1,536,967	$ 59,540,299
15	III	2021	Jul	$ 60,462,379	$ 1,604,678	$ 2,294,859	$ 55,276	$ 62,757,239	$ 1,659,954	$ 64,417,193
16	III	2021	Aug	$ 60,032,406	$ 1,557,717	$ 2,304,749	$ 54,895	$ 62,337,155	$ 1,612,612	$ 63,949,767
17	III	2021	Sep	$ 71,501,513	$ 1,809,709	$ 2,696,032	$ 63,467	$ 74,197,545	$ 1,873,175	$ 76,070,721
18	III	2021	Oct	$ 61,071,094	$ 1,566,873	$ 2,314,786	$ 54,820	$ 63,385,880	$ 1,621,693	$ 65,007,573
19	III	2021	Nov	$ 53,994,799	$ 1,413,820	$ 2,100,844	$ 50,329	$ 56,095,643	$ 1,464,149	$ 57,559,792
20	III	2021	Dec	$ 52,912,902	$ 1,348,737	$ 2,119,976	$ 50,014	$ 55,032,878	$ 1,398,751	$ 56,431,629
21		2022	Jan	$ 56,363,776	$ 1,459,630	$ 2,250,555	$ 52,714	$ 58,614,331	$ 1,512,344	$ 60,126,674
22		2022	Feb	$ 51,448,256	$ 1,322,304	$ 2,049,709	$ 48,967	$ 53,497,966	$ 1,371,271	$ 54,869,237
23		2022	Mar	$ 50,408,325	$ 1,319,771	$ 2,014,811	$ 48,281	$ 52,423,136	$ 1,368,052	$ 53,791,188
24		2022	Apr	$ 50,818,377	$ 1,340,169	$ 1,959,543	$ 47,356	$ 52,777,920	$ 1,387,525	$ 54,165,445
25		2022	May	$ 51,696,373	$ 1,330,889	$ 2,014,030	$ 48,329	$ 53,710,403	$ 1,379,218	$ 55,089,622
26		2022	Jun	$ 52,547,748	$ 1,355,988	$ 2,075,798	$ 50,091	$ 54,623,547	$ 1,406,079	$ 56,029,626
27		2022	Jul	$ 58,827,393	$ 1,525,025	$ 2,293,995	$ 55,017	$ 61,121,388	$ 1,580,042	$ 62,701,430
28		2022	Aug	$ 60,913,328	$ 1,547,032	$ 2,330,073	$ 55,304	$ 63,243,401	$ 1,602,336	$ 64,845,737
29		2022	Sep	$ 69,790,539	$ 1,799,395	$ 2,705,670	$ 63,840	$ 72,496,209	$ 1,863,235	$ 74,359,444
30		2022	Oct	$ 60,425,786	$ 1,534,666	$ 2,324,189	$ 54,932	$ 62,749,976	$ 1,589,598	$ 64,339,574
31		2022	Nov	$ 54,528,820	$ 1,414,821	$ 2,120,228	$ 50,708	$ 56,649,048	$ 1,465,529	$ 58,114,577
32		2022	Dec	$ 52,560,020	$ 1,332,665	$ 2,134,231	$ 50,289	$ 54,694,251	$ 1,382,954	$ 56,077,205
		Total		$ 1,519,879,648	$ 35,100,570	$ 57,547,939	$ 1,228,838	$ 1,577,427,587	$ 36,329,408	$ 1,613,756,995

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 1 - High SDG8

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 340,243,371	$ -	$ 310,311,887	$ 310,311,887
2	I	2020	Jun	$ -	$ -	$ (29,999,771)	280,312,116
3	I	2020	Jul	$ -	$ 27,016,092	$ (5,098,523)	275,213,593
4	I	2020	Aug	$ -	$ 27,016,092	$ (6,077,020)	269,136,574
5	I	2020	Sep	$ -	$ 27,016,092	$ (8,777,442)	260,359,132
6	I	2020	Oct	$ -	$ 27,016,092	$ (4,597,457)	255,761,675
7	II	2020	Nov	$ -	$ 27,016,092	$ (9,841,094)	245,920,582
8	II	2020	Dec	$ -	$ 27,016,092	$ (7,074,254)	238,846,327
9	II	2021	Jan	$ -	$ 27,016,092	$ (7,521,445)	231,324,882
10	II	2021	Feb	$ -	$ 27,016,092	$ (7,296,586)	224,028,296
11	II	2021	Mar	$ -	$ 54,116,942	$ 20,609,714	244,638,010
12	II	2021	Apr	$ -	$ 54,116,942	$ 20,059,223	264,697,233
13	III	2021	May	$ -	$ 54,116,942	$ (2,244,563)	262,452,670
14	III	2021	Jun	$ -	$ 54,116,942	$ (5,423,356)	257,029,314
15	III	2021	Jul	$ -	$ 54,116,942	$ (10,300,250)	246,729,063
16	III	2021	Aug	$ -	$ 54,116,942	$ (9,832,825)	236,896,238
17	III	2021	Sep	$ -	$ 54,116,942	$ (21,953,779)	214,942,460
18	III	2021	Oct	$ -	$ 54,116,942	$ (10,890,631)	204,051,828
19	III	2021	Nov	$ -	$ 54,116,942	$ (3,442,850)	200,608,979
20	III	2021	Dec	$ -	$ 54,116,942	$ (2,314,687)	198,294,292
21		2022	Jan	$ -	$ 54,116,942	$ (6,009,732)	192,284,559
22		2022	Feb	$ -	$ 54,116,942	$ (752,295)	191,532,265
23		2022	Mar	$ -	$ 64,264,044	$ 10,472,856	202,005,120
24		2022	Apr	$ -	$ 64,264,044	$ 10,098,598	212,103,719
25		2022	May	$ -	$ 64,264,044	$ 9,174,422	221,278,140
26		2022	Jun	$ -	$ 64,264,044	$ 8,234,418	229,512,558
27		2022	Jul	$ -	$ 64,264,044	$ 1,562,614	231,075,172
28		2022	Aug	$ -	$ 64,264,044	$ (581,693)	230,493,479
29		2022	Sep	$ -	$ 64,264,044	$ (10,095,400)	220,398,078
30		2022	Oct	$ -	$ 64,264,044	$ (75,530)	220,322,549
31		2022	Nov	$ -	$ 64,264,044	$ 6,149,467	226,472,015
32		2022	Dec	$ -	$ 64,264,044	$ 8,186,839	234,658,854
		Total		$ 340,243,371	$ 1,508,172,478	$ 234,658,854	$ 7,533,691,659

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

271,527,480	Operating Costs, Average 5 Months for First Two Full Years
68,715,891	Average Annual Rate Stabilization Funding for First Two Full Years
340,243,371	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										340,243,371	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 340,243,371	$ 12,298,145	$ 24,601,610	$ 32,795,054	$ 409,938,180	$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 16,397,527**	**$ 16,397,527**	**$ 24,601,610**	**$ 24,601,610**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 24,601,610	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 24,601,610	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Sensitivity 1 - High SDG&E Rates

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,699	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,998	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	102,008	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,666	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	137,737																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 1 - High SDG&E Rates**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 1 - High SDG&E Rates**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

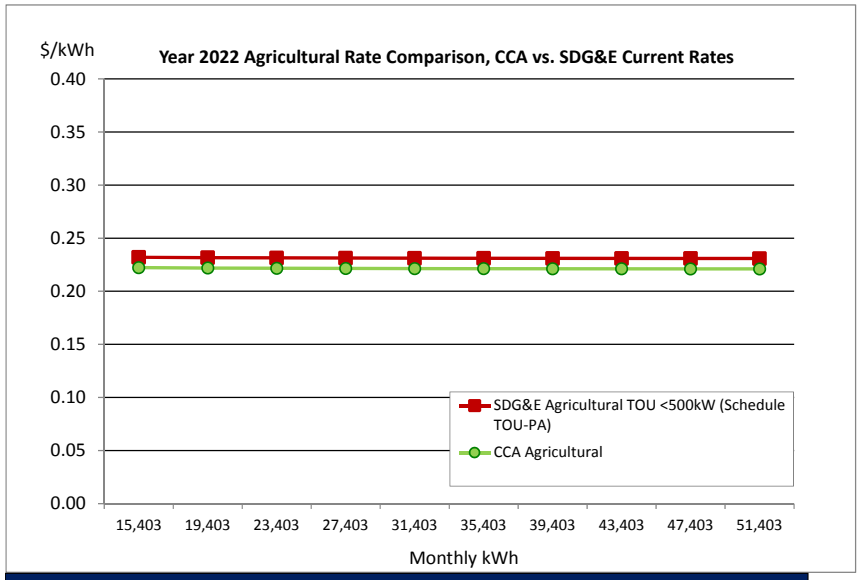
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			25.70		25.70	25.70	25.70	-	25.70	25.70	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.79			4.79	294.06	-	-	-	-	(4.79)	(294.06)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.2029	0.1012	0.0055	0.3095	2,297.75	0.1002	0.1700	0.2702	2,005.71	(0.0393)	(292.04)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1587	0.1012	0.0055	0.2654	2,532.91	0.1002	0.1700	0.2702	2,578.77	0.0048	45.86
Off-Peak Energy, $/kWh	18,510 kWh	0.1117	0.1012	0.0055	0.2184	4,042.25	0.1002	0.1700	0.2702	5,001.25	0.0518	959.00
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.1004	0.1012	0.0055	0.2071	500.29	0.1002	0.0561	0.1563	377.59	(0.0508)	(122.70)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0859	0.1012	0.0055	0.1926	2,016.47	0.1002	0.0561	0.1563	1,636.21	(0.0363)	(380.27)
Off-Peak Energy, $/kWh	14,445 kWh	0.0659	0.1012	0.0055	0.1725	2,492.41	0.1002	0.0561	0.1563	2,257.65	(0.0163)	(234.76)
Average Monthly Bill ($)						7,511.42				7,299.00		(212.42)
											Percentage Change	**-2.8%**

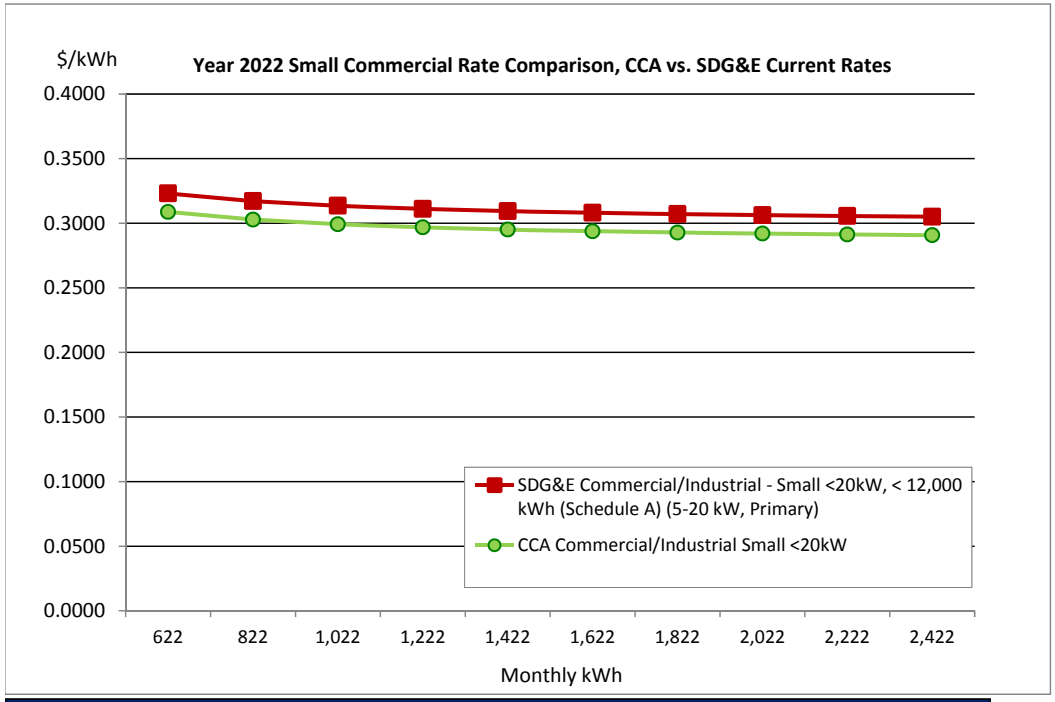


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			15.07		15.07	15.07	15.07	-	15.07	15.07	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1811	0.1543	0.0055	0.3410	503.35	0.1525	0.1800	0.3325	490.85	(0.0085)	(12.50)
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0935	0.1543	0.0055	0.2533	346.43	0.1525	0.0802	0.2327	318.24	(0.0206)	(28.18)
Average Monthly Bill ($)						442.96				422.92		(20.04)
											Percentage Change	**-4.5%**

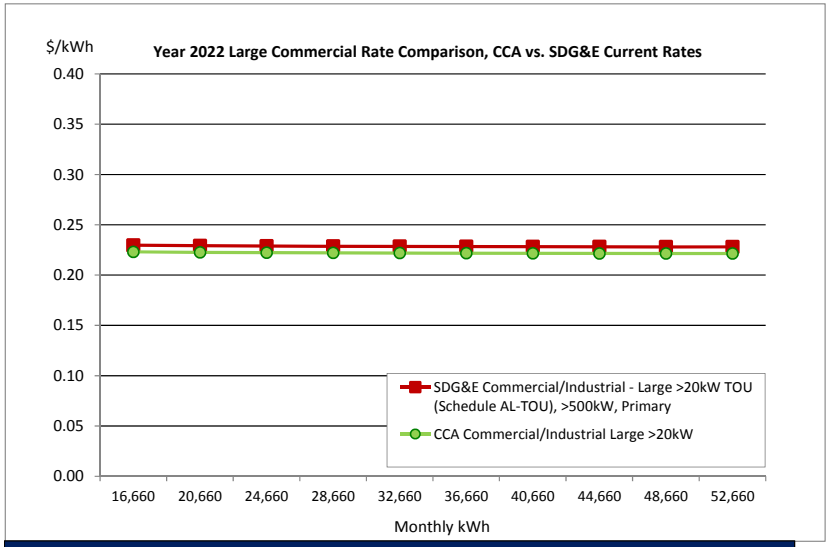


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			40.74		40.74	40.74	40.74	-	40.74	40.74	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		31.00		31.00	1,981.07	31.00	-	31.00	1,981.07	-	-
Summer												
On-Peak, $/kW	64 kW	14.05	12.88		26.93	1,721.52	12.88	-	12.88	823.44	(14.05)	(898.08)
Winter												
On-Peak, $/kW	64 kW		9.76		9.76	623.59	9.76	-	9.76	623.59	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1609	0.0055	0.0055	0.1719	1,235.28	0.0040	0.1900	0.1940	1,394.23	0.0221	158.95
Semi-Peak Energy, $/kWh	9,241 kWh	0.1477	0.0055	0.0055	0.1587	1,466.09	0.0040	0.1900	0.1940	1,792.58	0.0353	326.49
Off-Peak Energy, $/kWh	17,922 kWh	0.1056	0.0055	0.0055	0.1166	2,089.93	0.0040	0.1900	0.1940	3,476.52	0.0774	1,386.59
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1447	0.0055	0.0055	0.1557	426.22	0.0040	0.0717	0.0757	207.19	(0.0800)	(219.03)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1235	0.0055	0.0055	0.1345	1,595.74	0.0040	0.0717	0.0757	897.84	(0.0588)	(697.90)
Off-Peak Energy, $/kWh	16,369 kWh	0.0944	0.0055	0.0055	0.1053	1,724.42	0.0040	0.0717	0.0757	1,238.84	(0.0297)	(485.58)
Average Monthly Bill ($)						7,490.24				7,360.69		(129.55)
											Percentage Change	**-1.7%**

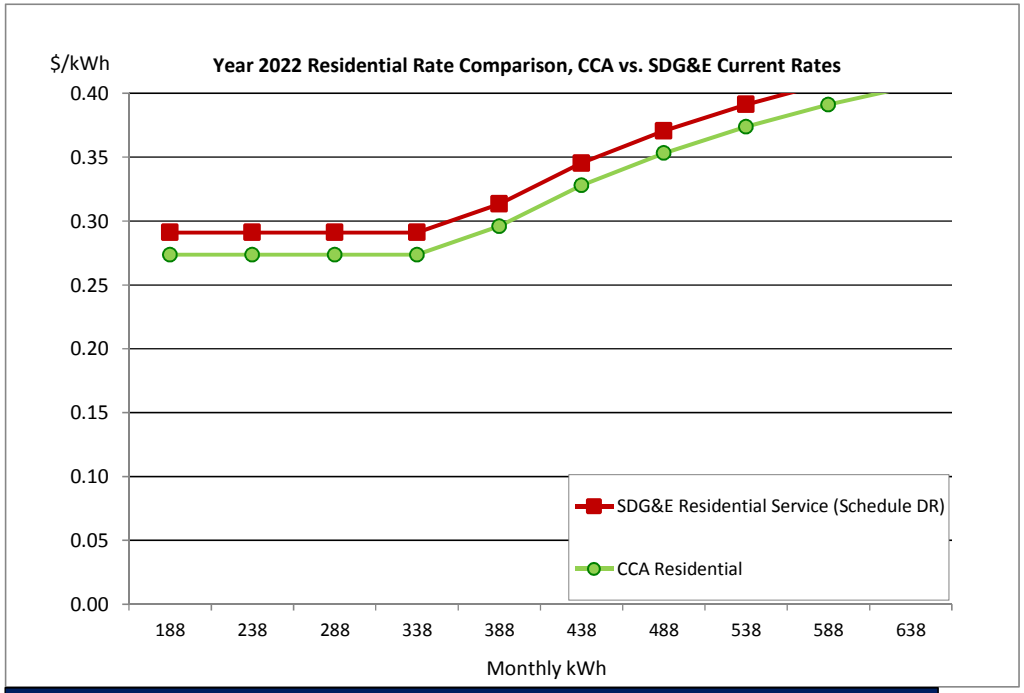


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.2114	0.0876	0.0055	0.3045	109.26	0.0858	0.2100	0.2958	106.13	(0.0087)	(3.14)
Above 130% of Baseline	45 kWh	0.2114	0.4012	0.0055	0.6182	27.78	0.3994	0.2100	0.6094	27.39	(0.0087)	(0.39)
Winter												
Baseline Energy, $/kWh	361 kWh	0.1079	0.1631	0.0055	0.2764	99.73	0.1612	0.0884	0.2496	90.07	(0.0268)	(9.66)
Above 130% of Baseline	12 kWh	0.1079	0.4528	0.0055	0.5662	6.89	0.4510	0.0884	0.5394	6.57	(0.0268)	(0.33)
Average Monthly Bill ($)						122.43				115.80		(6.63)
											Percentage Change	**-5.4%**

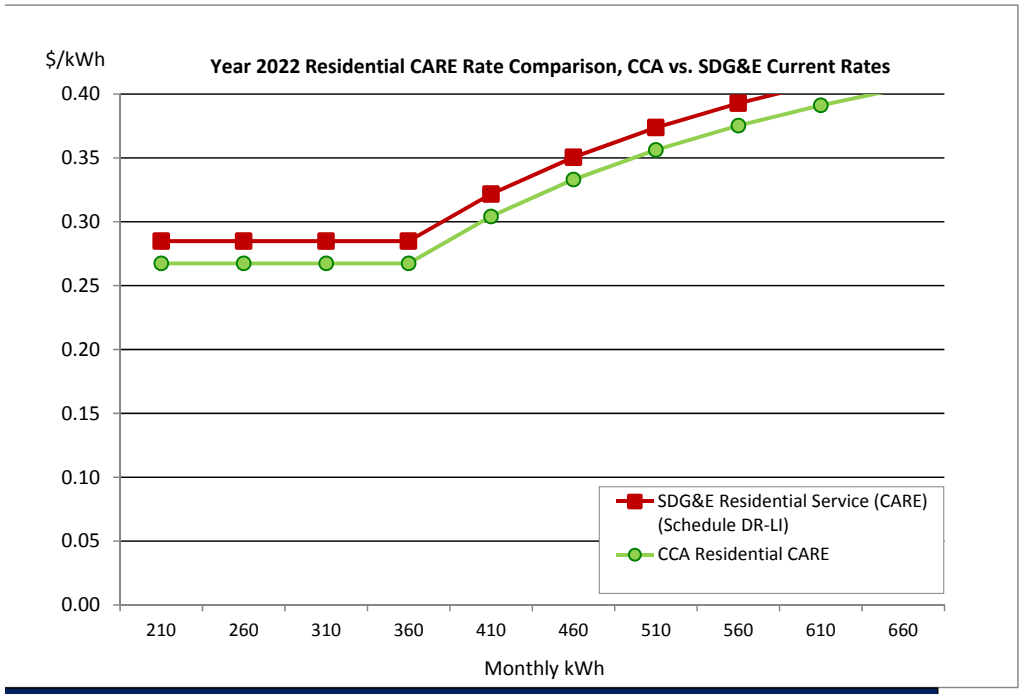


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.2114	0.0869	-	0.2984	107.05	0.0851	0.2000	0.2851	102.30	(0.0133)	(4.76)
Above 130% of Baseline	67 kWh	0.2114	0.4006	-	0.6120	41.06	0.3987	0.2000	0.5987	40.17	(0.0133)	(0.89)
Winter												
Baseline Energy, $/kWh	361 kWh	0.1079	0.1624	-	0.2703	97.50	0.1606	0.0877	0.2483	89.57	(0.0220)	(7.93)
Above 130% of Baseline	33 kWh	0.1079	0.4522	-	0.5600	18.27	0.4503	0.0877	0.5380	17.56	(0.0220)	(0.72)
Average Monthly Bill ($)						132.59				125.50		(7.09)
											Percentage Change	**-5.3%**

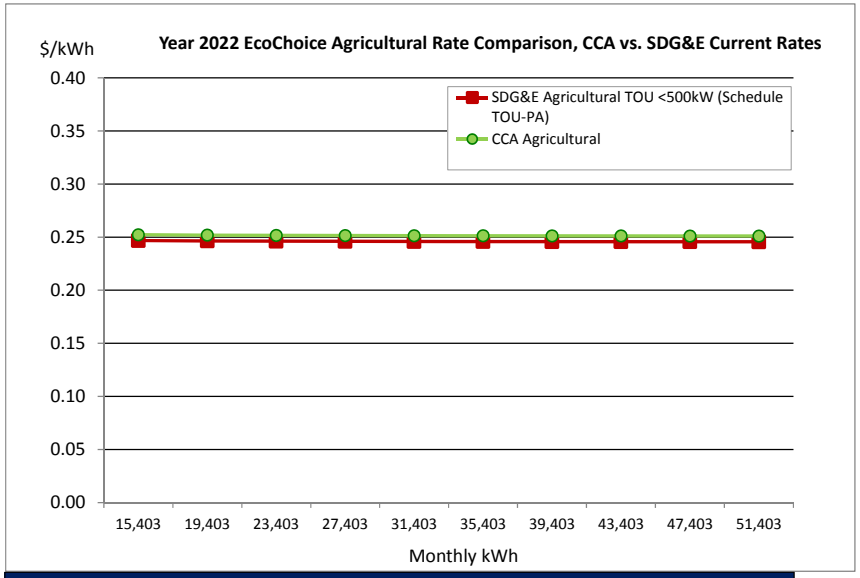


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			25.70			25.70	25.70	25.70	-	25.70	25.70	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.52				4.52	277.99	-	-	-	-	(4.5236)	(277.99)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.2029	0.1012	0.0055	0.0153	0.3248	2,411.10	0.1002	0.2000	0.3002	2,228.40	(0.0246)	(182.69)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1587	0.1012	0.0055	0.0153	0.2807	2,678.64	0.1002	0.2000	0.3002	2,865.09	0.0195	186.45
Off-Peak Energy, $/kWh	18,510 kWh	0.1117	0.1012	0.0055	0.0153	0.2337	4,324.90	0.1002	0.2000	0.3002	5,556.54	0.0665	1,231.65
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.1004	0.1012	0.0055	0.0153	0.2224	537.18	0.1002	0.0861	0.1863	450.06	(0.0361)	(87.12)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0859	0.1012	0.0055	0.0153	0.2079	2,176.33	0.1002	0.0861	0.1863	1,950.27	(0.0216)	(226.06)
Off-Peak Energy, $/kWh	14,445 kWh	0.0659	0.1012	0.0055	0.0153	0.1878	2,712.98	0.1002	0.0861	0.1863	2,690.99	(0.0015)	(21.99)
Average Monthly Bill ($)							7,982.94				8,256.94		274.00
												Percentage Change	**3.4%**

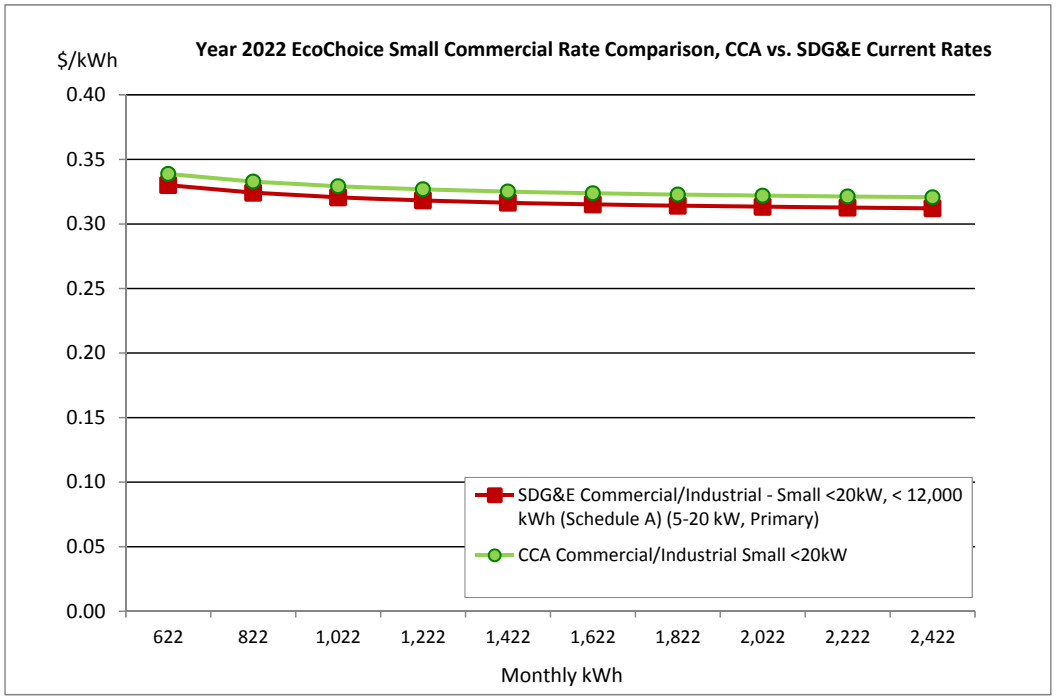


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			15.07			15.07	15.07	15.07	-	15.07	15.07	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1811	0.1543	0.0055	0.0071	0.3480	513.77	0.1525	0.2100	0.3625	535.14	0.0145	21.37
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0935	0.1543	0.0055	0.0071	0.2604	356.08	0.1525	0.1102	0.2627	359.27	0.0023	3.19
Average Monthly Bill ($)							453.01				465.64		12.63
												Percentage Change	**2.8%**

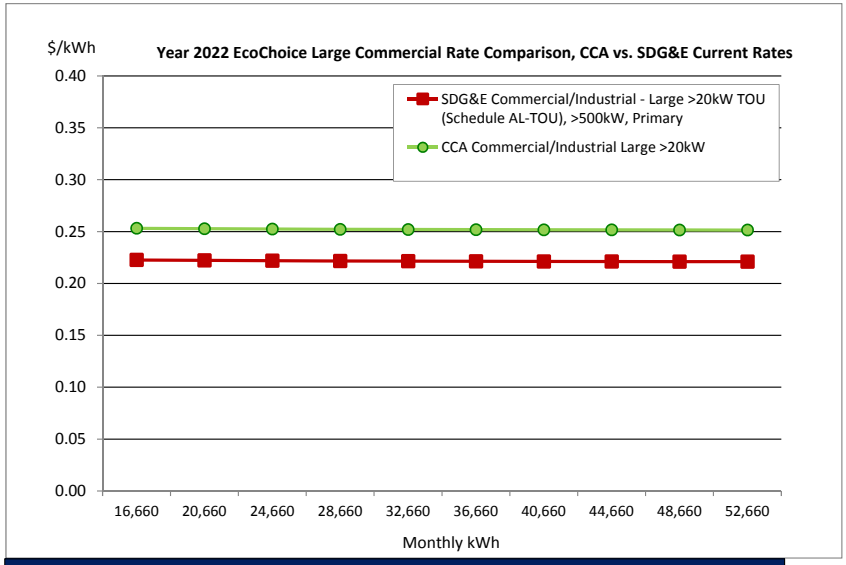


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			40.74			40.74	40.74	40.74	-	40.74	40.74	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		31.00			31.00	1,981.07	31.00	-	31.00	1,981.07	-	-
Summer													
On-Peak, $/kW	64 kW	14.86	12.88			27.75	1,773.43	12.88	-	12.88	823.44	(14.86)	(949.98)
Winter													
On-Peak, $/kW	64 kW		9.76			9.76	623.59	9.76	-	9.76	623.59	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1609	0.0055	0.0055	(0.0079)	0.1640	1,178.64	0.0040	0.2200	0.2240	1,609.85	0.0600	431.21
Semi-Peak Energy, $/kWh	9,241 kWh	0.1477	0.0055	0.0055	(0.0079)	0.1508	1,393.27	0.0040	0.2200	0.2240	2,069.81	0.0732	676.54
Off-Peak Energy, $/kWh	17,922 kWh	0.1056	0.0055	0.0055	(0.0079)	0.1087	1,948.70	0.0040	0.2200	0.2240	4,014.18	0.1152	2,065.47
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1447	0.0055	0.0055	(0.0079)	0.1478	404.65	0.0040	0.1017	0.1057	289.32	(0.0421)	(115.32)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1235	0.0055	0.0055	(0.0079)	0.1266	1,502.25	0.0040	0.1017	0.1057	1,253.74	(0.0209)	(248.52)
Off-Peak Energy, $/kWh	16,369 kWh	0.0944	0.0055	0.0055	(0.0079)	0.0975	1,595.43	0.0040	0.1017	0.1057	1,729.92	0.0082	134.49
Average Monthly Bill ($)							7,258.14				8,343.12		1,084.98
												Percentage Change	**14.9%**

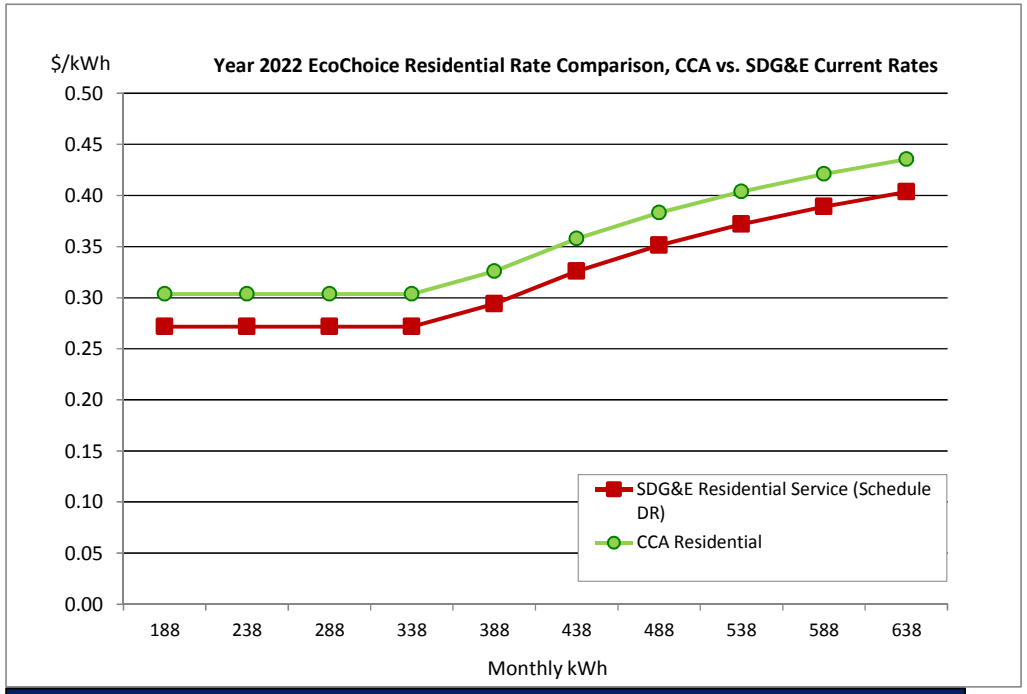


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.2114	0.0876	0.0055	(0.0193)	0.2852	102.33	0.0858	0.2400	0.3258	116.89	0.0406	14.56
Above 130% of Baseline	45 kWh	0.2114	0.4012	0.0055	(0.0193)	0.5988	26.91	0.3994	0.2400	0.6394	28.74	0.0406	1.82
Winter													
Baseline Energy, $/kWh	361 kWh	0.1079	0.1631	0.0055	(0.0193)	0.2571	92.75	0.1612	0.1184	0.2796	100.89	0.0225	8.14
Above 130% of Baseline	12 kWh	0.1079	0.4528	0.0055	(0.0193)	0.5468	6.66	0.4510	0.1184	0.5694	6.93	0.0225	0.27
Average Monthly Bill ($)							114.92				127.47		12.55
												Percentage Change	**10.9%**

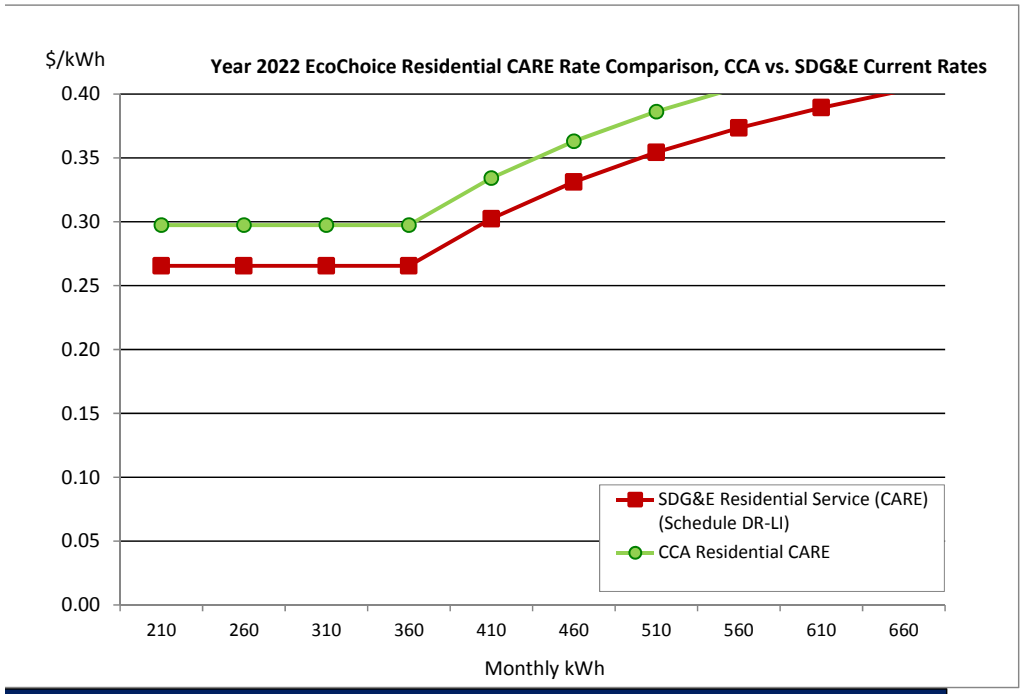


Sensitivity 1 - High SDG&E Rates

Scenario: Sensitivity 1 - High SDG&E Rates

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.2114	0.0869	-	(0.0193)	0.2790	100.12	0.0851	0.2300	0.3151	113.06	0.0361	12.94
Above 130% of Baseline	67 kWh	0.2114	0.4006	-	(0.0193)	0.5927	39.76	0.3987	0.2300	0.6287	42.18	0.0361	2.42
Winter													
Baseline Energy, $/kWh	361 kWh	0.1079	0.1624	-	(0.0193)	0.2509	90.53	0.1606	0.1177	0.2783	100.40	0.0273	9.86
Above 130% of Baseline	33 kWh	0.1079	0.4522	-	(0.0193)	0.5407	17.64	0.4503	0.1177	0.5680	18.54	0.0273	0.89
Average Monthly Bill ($)							124.66				137.81		13.15
												Percentage Change	**10.5%**



Sensitivity 1 - High SDG&E Rates

PRO FORMA OUTPUTS

SENSITIVITY 2

LOW SDG&E RATES

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	7,916,022
4	Total Non-Operating Expenses		24,139,048
5	Power Costs		668,991,523
6	Contingency/Rate Stabilization Fund		71,681,814
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**772,728,407**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	161,551
10	Total Non-Operating Expenses		492,634
11	Power Costs		16,936,848
12	Contingency/Rate Stabilization Fund		1,462,894
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**19,053,928**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**791,782,335**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description	Accounts	Test Year Annual Load (MWh)	Test Year Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,403
3	Outdoor Lighting Small <20kW	330	23,848	6,028
4	Commercial/Industrial Small <20kW	38,255	652,769	1,422
5	Commercial/Industrial Large >20kW	7,329	2,872,328	32,660
6	Residential	324,855	1,513,904	388
7	Residential CARE	88,021	432,703	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**459,875**	**5,552,985**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	664	11,333	1,422
14	Commercial/Industrial Large >20kW	87	33,998	32,660
15	Residential	14,591	67,996	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**15,341**	**113,326**	**34,471**
19	**TOTAL CCA**	**475,216**	**5,666,311**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Sensitivity 2 - Low SDG&E Rates**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1700	0.0561	0.2000	0.0861
2	Outdoor Lighting Small <20kW	0.1400	0.0633	0.1700	0.0933
3	Commercial/Industrial Small <20kW	0.1800	0.0802	0.2100	0.1102
4	Commercial/Industrial Large >20kW	0.1900	0.0717	0.2200	0.1017
5	Residential	0.2100	0.0884	0.2400	0.1184
6	Residential CARE	0.2000	0.0877	0.2300	0.1177
7	Residential Outdoor Lighting	0.1400	0.0580	0.1700	0.0880

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Sensitivity 2 - Low SDG&E Rates with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,253	55,828	55,730	55,666	55,697
2	Outdoor Lighting Small <20kW	15,231	23,902	23,861	23,824	23,860
3	Commercial/Industrial Small <20kW	101,195	654,172	653,106	652,280	652,921
4	Commercial/Industrial Large >20kW	1,983,116	2,878,573	2,873,865	2,870,269	2,872,852
5	Residential	-	1,038,519	1,514,735	1,512,828	1,514,149
6	Residential CARE	-	296,840	432,941	432,396	432,774
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988
	Sensitivity 2 - Low SDG&E Rates with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,835	11,357	11,339	11,324	11,335
12	Commercial/Industrial Large >20kW	23,383	34,071	34,016	33,973	34,004
13	Residential	-	46,683	68,032	67,947	68,008
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	25,218	92,111	113,387	113,245	113,347
17	**Total MWh**	**2,165,013**	**5,041,116**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 4,848,037	$ 6,723,868	$ 6,712,068	$ 6,704,280	$ 6,708,089
20	Outdoor Lighting Small <20kW	1,499,458	2,353,160	2,349,084	2,345,432	2,348,947
21	Commercial/Industrial Small <20kW	13,358,298	86,354,641	86,214,005	86,104,909	86,189,603
22	Commercial/Industrial Large >20kW	265,560,585	385,471,925	384,841,399	384,359,835	384,705,799
23	Residential	-	157,449,090	229,647,762	229,358,684	229,558,945
24	Residential CARE	-	43,360,845	63,241,789	63,162,189	63,217,411
25	Residential Outdoor Lighting	-	115,264	170,811	170,582	170,787
26	Total	285,266,378	681,828,793	773,176,919	772,205,911	772,899,580
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	200,018	1,238,032	1,236,043	1,234,491	1,235,602
30	Commercial/Industrial Large >20kW	2,705,251	3,941,730	3,935,398	3,930,455	3,933,992
31	Residential	-	5,823,918	8,487,375	8,476,715	8,484,343
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 2,905,269	$ 11,003,680	$ 13,658,816	$ 13,641,661	$ 13,653,937
35	**TOTAL RATE REVENUE**	**$ 288,171,647**	**$ 692,832,473**	**$ 786,835,735**	**$ 785,847,572**	**$ 786,553,516**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 216,128,735**	**$ 649,403,306**	**$ 771,168,524**	**$ 786,012,266**	**$ 786,435,859**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Sensitivity 2 - Low SDG&E Rates with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,428	55,399	55,357	55,425	55,251	55,252
2	Outdoor Lighting Small <20kW	23,732	23,719	23,701	23,748	23,654	23,656
3	Commercial/Industrial Small <20kW	649,552	649,173	648,652	649,767	647,505	647,538
4	Commercial/Industrial Large >20kW	2,858,217	2,856,612	2,854,405	2,859,043	2,849,272	2,849,404
5	Residential	1,506,610	1,505,718	1,504,541	1,506,940	1,501,926	1,502,074
6	Residential CARE	430,618	430,363	430,027	430,713	429,278	429,320
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,525,881	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964
	Sensitivity 2 - Low SDG&E Rates with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,277	11,271	11,262	11,280	11,242	11,243
12	Commercial/Industrial Large >20kW	33,832	33,812	33,786	33,841	33,726	33,728
13	Residential	67,664	67,625	67,572	67,682	67,452	67,457
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	112,773	112,708	112,621	112,803	112,421	112,428
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,675,656	$ 6,672,149	$ 6,667,116	$ 6,675,312	$ 6,654,351	$ 6,654,493
20	Outdoor Lighting Small <20kW	2,336,394	2,335,063	2,333,362	2,337,985	2,328,747	2,328,867
21	Commercial/Industrial Small <20kW	85,744,769	85,694,826	85,626,019	85,773,207	85,474,623	85,479,011
22	Commercial/Industrial Large >20kW	382,745,938	382,531,016	382,235,466	382,856,600	381,548,187	381,565,802
23	Residential	228,416,022	228,280,778	228,102,311	228,465,943	227,705,784	227,728,290
24	Residential CARE	62,902,443	62,865,247	62,816,107	62,916,324	62,706,809	62,712,915
25	Residential Outdoor Lighting	169,876	169,778	169,651	169,978	169,338	169,346
26	Total	768,991,097	768,548,857	767,950,032	769,195,350	766,587,838	766,638,724
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,229,349	1,228,643	1,227,686	1,229,678	1,225,506	1,225,585
30	Commercial/Industrial Large >20kW	3,914,084	3,911,836	3,908,789	3,915,133	3,901,848	3,902,101
31	Residential	8,441,407	8,436,559	8,429,987	8,443,669	8,415,018	8,415,564
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 13,584,840	$ 13,577,038	$ 13,566,461	$ 13,588,480	$ 13,542,372	$ 13,543,251
35	**TOTAL RATE REVENUE**	**$ 782,575,937**	**$ 782,125,895**	**$ 781,516,493**	**$ 782,783,829**	**$ 780,130,210**	**$ 780,181,975**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 783,238,867**	**$ 782,200,902**	**$ 781,618,060**	**$ 782,572,607**	**$ 780,572,480**	**$ 780,173,347**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Sensitivity 2 - Low SDG&E Rates with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,410	55,359	55,412	55,436
2	Outdoor Lighting Small <20kW	23,649	23,747	23,706	23,726	23,736
3	Commercial/Industrial Small <20kW	647,322	649,575	648,801	649,416	649,701
4	Commercial/Industrial Large >20kW	2,848,486	2,858,225	2,855,015	2,857,732	2,858,893
5	Residential	1,501,643	1,506,552	1,505,110	1,506,527	1,506,988
6	Residential CARE	429,196	430,601	430,187	430,592	430,725
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,507,247	5,525,835	5,519,902	5,525,130	5,527,204
	Sensitivity 2 - Low SDG&E Rates with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,239	11,277	11,265	11,276	11,280
12	Commercial/Industrial Large >20kW	33,718	33,832	33,795	33,827	33,840
13	Residential	67,436	67,663	67,591	67,655	67,680
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	112,393	112,772	112,651	112,758	112,800
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,652,080	$ 6,673,480	$ 6,667,335	$ 6,673,749	$ 6,676,562
20	Outdoor Lighting Small <20kW	2,328,166	2,337,821	2,333,809	2,335,745	2,336,734
21	Commercial/Industrial Small <20kW	85,450,469	85,747,797	85,645,698	85,726,924	85,764,453
22	Commercial/Industrial Large >20kW	381,442,856	382,747,076	382,317,222	382,681,089	382,836,516
23	Residential	227,662,935	228,407,117	228,188,593	228,403,369	228,473,262
24	Residential CARE	62,694,851	62,900,073	62,839,579	62,898,741	62,918,175
25	Residential Outdoor Lighting	169,293	169,934	169,684	169,841	169,916
26	Total	766,400,649	768,983,298	768,161,920	768,889,458	769,175,619
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,225,203	1,229,338	1,228,018	1,229,182	1,229,643
30	Commercial/Industrial Large >20kW	3,900,885	3,914,051	3,909,848	3,913,552	3,915,020
31	Residential	8,412,942	8,441,336	8,432,273	8,440,260	8,443,427
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 13,539,030	$ 13,584,726	$ 13,570,139	$ 13,582,994	$ 13,588,090
35	**TOTAL RATE REVENUE**	**$ 779,939,679**	**$ 782,568,023**	**$ 781,732,060**	**$ 782,472,451**	**$ 782,763,709**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 779,980,062**	**$ 782,129,966**	**$ 781,871,387**	**$ 782,349,053**	**$ 782,715,166**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 216,128,735	$ 649,403,306	$ 771,168,524	$ 786,012,266	$ 786,435,859	$ 783,238,867	$ 782,200,902	$ 781,618,060
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 216,128,735	$ 649,403,306	$ 771,168,524	$ 786,012,266	$ 786,435,859	$ 783,238,867	$ 782,200,902	$ 781,618,060
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		166,619,357	381,968,618	418,624,481	420,513,945	413,324,294	410,662,128	401,150,788	399,893,907
7	SDG&E Service Charges		2,983,252	4,906,921	4,946,847	5,039,429	5,144,765	5,221,424	5,322,710	5,424,913
8	SDG&E CRS Charges		72,570,622	192,495,110	225,394,020	231,388,643	236,626,382	233,469,761	232,252,871	232,437,734
9	SDG&E Power Franchise Charges		9,630,599	22,077,786	24,196,495	24,305,706	23,890,144	23,736,271	23,186,516	23,113,868
10	ESP Charges		206,548	5,940,420	8,558,559	8,547,780	8,555,341	8,512,569	8,507,546	8,500,884
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,477	541,929	729,317	735,669	743,543	749,746	758,659	767,668
15	Uncollectable Accounts		406,322	1,220,878	1,449,797	1,477,703	1,478,499	1,472,489	1,470,538	1,469,442
16	**Total Operating Expenses**		$ 255,093,168	$ 613,709,298	$ 689,622,604	$ 697,880,008	$ 695,786,941	$ 690,006,612	$ 678,995,272	$ 678,122,282
17	Contingency/Rate Stabilization Fund		26,986,675	64,757,718	72,674,064	73,516,558	73,243,503	72,641,865	71,456,398	71,357,954
18	**Total Operating Expenses & Contin/Rate Stab**		$ 282,079,843	$ 678,467,017	$ 762,296,668	$ 771,396,565	$ 769,030,444	$ 762,648,478	$ 750,451,670	$ 749,480,237
19	**Net Operating Revenues**		$ (65,951,108)	$ (29,063,711)	$ 8,871,857	$ 14,615,700	$ 17,405,415	$ 20,590,389	$ 31,749,232	$ 32,137,824
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,031,611	2,942,924	2,666,398	2,564,484	2,503,767	2,472,317	2,512,722	2,611,147
22	Total Non-Operating Revenues (Expenses)		$ 1,731,611	$ 2,942,924	$ 2,666,398	$ 2,564,484	$ 2,413,551	$ 2,472,317	$ 2,512,722	$ 2,586,882
23	**Net Operating Income**		$ (64,219,497)	$ (26,120,787)	$ 11,538,255	$ 17,180,184	$ 19,818,966	$ 23,062,706	$ 34,261,954	$ 34,724,705
	Debt Service	[3]								
24	Borrowing 1		$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
29	**Debt Service Coverage (Target=1.25)**		(3.92)	(1.59)	0.47	0.70	0.81	0.94	1.39	1.41
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102
35	Deposit/(Withdrawal) from Operations	$ (80,617,024)	$ (42,518,314)	$ (13,063,355)	$ (7,421,426)	$ (4,782,644)	$ (1,538,904)	$ 9,660,344	$ 10,123,096
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 397,640,035	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (24,601,610)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (32,795,054)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	16,397,527	16,397,527	-	-	-	-	-	-
41	Ending Year Balance	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102	$ 242,880,198
42	Targeted Working Capital Balance	$ 99,170,706	$ 241,605,948	$ 273,184,403	$ 276,954,579	$ 277,071,412	$ 274,646,300	$ 270,736,127	$ 270,506,483
43	Surplus/(Deficiency)	$ 176,853,167	$ 8,297,139	$ (36,344,671)	$ (47,536,273)	$ (52,435,750)	$ (51,549,541)	$ (37,979,025)	$ (27,626,285)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	1%	-5%	-6%	-7%	-7%	-5%	-4%
45	% Surplus/(Deficiency) to Target	178%	3%	-13%	-17%	-19%	-19%	-14%	-10%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102
47	Total Operating Revenues	216,128,735	649,403,306	771,168,524	786,012,266	786,435,859	783,238,867	782,200,902	781,618,060
48	Total Operating Expenses	(255,093,168)	(613,709,298)	(689,622,604)	(697,880,008)	(695,786,941)	(690,006,612)	(678,995,272)	(678,122,282)
49	Contingency/Rate Stabilization Fund	(26,986,675)	(64,757,718)	(72,674,064)	(73,516,558)	(73,243,503)	(72,641,865)	(71,456,398)	(71,357,954)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	340,243,371	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	16,397,527	16,397,527	-	-	-	-	-	-
54	Total Debt Service	(16,397,527)	(16,397,527)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)
55	Total Funds	$ 273,992,263	$ 246,960,163	$ 234,173,334	$ 226,853,822	$ 222,131,896	$ 220,624,442	$ 230,244,381	$ 240,269,051
56	Average Annual Balance	$ 182,661,509	$ 261,492,018	$ 242,038,210	$ 231,846,777	$ 225,775,101	$ 222,630,052	$ 226,670,570	$ 236,513,077
57	Annual Interest Earnings, All Funds	$ 2,031,611	$ 2,942,924	$ 2,666,398	$ 2,564,484	$ 2,503,767	$ 2,472,317	$ 2,512,722	$ 2,611,147
	Year Ending Balance, with Interest	$ 276,023,874	$ 249,903,087	$ 236,839,732	$ 229,418,306	$ 224,635,663	$ 223,096,758	$ 232,757,102	$ 242,880,198
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
59	Deposit from Bond Proceeds	$ 24,601,610	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
62	Average Annual Balance	$ 12,300,805	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
63	Annual Interest Earnings, to Operating Fund	$ 123,008	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 16,397,527	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 32,795,054	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (16,397,527)	$ (16,397,527)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 16,397,527	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 8,198,764	$ 8,198,764	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 81,988	$ 81,988	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 782,572,607	$ 780,572,480	$ 780,173,347	$ 779,980,062	$ 782,129,966	$ 781,871,387	$ 782,349,053	$ 782,715,166
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 782,572,607	$ 780,572,480	$ 780,173,347	$ 779,980,062	$ 782,129,966	$ 781,871,387	$ 782,349,053	$ 782,715,166
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		399,985,799	396,407,943	393,398,364	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
7	SDG&E Service Charges		5,542,301	5,634,238	5,747,456	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
8	SDG&E CRS Charges		234,774,894	236,124,428	237,652,118	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
9	SDG&E Power Franchise Charges		23,119,179	22,912,379	22,738,425	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
10	ESP Charges		8,514,542	8,486,061	8,486,848	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,079	786,675	797,165	807,877	820,202	830,886	842,514	853,958
15	Uncollectable Accounts		1,471,237	1,467,476	1,466,726	1,466,363	1,470,404	1,469,918	1,470,816	1,471,505
16	**Total Operating Expenses**		$ 680,873,187	$ 678,684,992	$ 677,336,887	$ 668,994,753	$ 670,911,269	$ 674,069,615	$ 667,118,113	$ 667,379,862
17	Contingency/Rate Stabilization Fund		71,633,859	71,383,316	71,221,821	70,305,281	70,494,734	70,827,561	70,059,504	70,072,264
18	**Total Operating Expenses & Contin/Rate Stab**		$ 752,507,047	$ 750,068,309	$ 748,558,708	$ 739,300,034	$ 741,406,003	$ 744,897,176	$ 737,177,617	$ 737,452,126
19	**Net Operating Revenues**		$ 30,065,560	$ 30,504,171	$ 31,614,639	$ 40,680,027	$ 40,723,963	$ 36,974,211	$ 45,171,436	$ 45,263,041
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		2,701,597	2,784,904	2,876,112	3,019,111	3,209,798	3,383,863	3,582,266	3,824,098
22	Total Non-Operating Revenues (Expenses)		$ 2,593,373	$ 2,784,904	$ 2,632,273	$ 3,019,111	$ 3,108,170	$ 3,383,863	$ 3,552,826	$ 3,824,098
23	**Net Operating Income**		$ 32,658,933	$ 33,289,075	$ 34,246,912	$ 43,699,138	$ 43,832,133	$ 40,358,074	$ 48,724,262	$ 49,087,138
	Debt Service	[3]								
24	Borrowing 1		$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
29	**Debt Service Coverage (Target=1.25)**		1.33	1.35	1.39	1.78	1.78	1.64	1.98	2.00
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 242,880,198	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456
35	Deposit/(Withdrawal) from Operations	$ 8,057,323	$ 8,687,465	$ 9,645,302	$ 19,097,529	$ 19,230,523	$ 15,756,464	$ 24,122,652	$ 24,485,529
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456	$ 371,962,985
42	Targeted Working Capital Balance	$ 271,848,408	$ 271,341,101	$ 271,157,265	$ 268,527,228	$ 269,511,992	$ 270,763,250	$ 268,649,214	$ 269,020,106
43	Surplus/(Deficiency)	$ (20,910,887)	$ (11,716,115)	$ (1,886,977)	$ 19,840,589	$ 38,086,348	$ 52,591,554	$ 78,828,242	$ 102,942,878
44	Ratio of Surplus/(Deficiency) to Revenues	-3%	-2%	0%	3%	5%	7%	10%	13%
45	% Surplus/(Deficiency) to Target	-8%	-4%	-1%	7%	14%	19%	29%	38%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 242,880,198	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456
47	Total Operating Revenues	782,572,607	780,572,480	780,173,347	779,980,062	782,129,966	781,871,387	782,349,053	782,715,166
48	Total Operating Expenses	(680,873,187)	(678,684,992)	(677,336,887)	(668,994,753)	(670,911,269)	(674,069,615)	(667,118,113)	(667,379,862)
49	Contingency/Rate Stabilization Fund	(71,633,859)	(71,383,316)	(71,221,821)	(70,305,281)	(70,494,734)	(70,827,561)	(70,059,504)	(70,072,264)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)	(24,601,610)
55	Total Funds	$ 248,235,924	$ 256,840,082	$ 266,394,176	$ 285,348,706	$ 304,388,542	$ 319,970,941	$ 343,895,190	$ 368,138,887
56	Average Annual Balance	$ 245,558,061	$ 253,888,801	$ 263,009,581	$ 277,309,497	$ 296,378,180	$ 313,784,641	$ 333,624,997	$ 357,808,171
57	Annual Interest Earnings, All Funds	$ 2,701,597	$ 2,784,904	$ 2,876,112	$ 3,019,111	$ 3,209,798	$ 3,383,863	$ 3,582,266	$ 3,824,098
	Year Ending Balance, with Interest	$ 250,937,521	$ 259,624,986	$ 269,270,288	$ 288,367,817	$ 307,598,340	$ 323,354,804	$ 347,477,456	$ 371,962,985
	Bond Reserve Fund								
58	Beginning Year Balance	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
62	Average Annual Balance	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
63	Annual Interest Earnings, to Operating Fund	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016	$ 246,016
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,475	340,793	475,476	474,877	475,297
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	166,619,357	381,968,618	418,624,481	420,513,945	413,324,294
5	SDG&E Service Charges	2,983,252	4,906,921	4,946,847	5,039,429	5,144,765
6	SDG&E CRS Charges	72,570,622	192,495,110	225,394,020	231,388,643	236,626,382
7	SDG&E Power Franchise Charges	9,630,599	22,077,786	24,196,495	24,305,706	23,890,144
8	ESP Charges	206,548	5,940,420	8,558,559	8,547,780	8,555,341
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,477	541,929	729,317	735,669	743,543
13	Uncollectable Accounts	$ 406,322	$ 1,220,878	$ 1,449,797	$ 1,477,703	$ 1,478,499
14	**Total Operating Expenses**	$ 255,093,168	$ 613,709,298	$ 689,622,604	$ 697,880,008	$ 695,786,941
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	16,397,527	16,397,527	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 16,697,527	$ 16,397,527	$ 24,601,610	$ 24,601,610	$ 24,691,826
19	**Total Operating & Non-Operating Expenses**	**$ 271,790,695**	**$ 630,106,826**	**$ 714,224,213**	**$ 722,481,618**	**$ 720,478,767**
20	Contingency/Rate Stabilization Fund	$ 26,986,675	$ 64,757,718	$ 72,674,064	$ 73,516,558	$ 73,243,503
21	**Total Expenses Incl. Contingency**	$ 298,777,370	$ 694,864,544	$ 786,898,278	$ 795,998,175	$ 793,722,269

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,920	472,641	472,271	473,030	471,448	471,492
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	410,662,128	401,150,788	399,893,907	399,985,799	396,407,943	393,398,364
5	SDG&E Service Charges	5,221,424	5,322,710	5,424,913	5,542,301	5,634,238	5,747,456
6	SDG&E CRS Charges	233,469,761	232,252,871	232,437,734	234,774,894	236,124,428	237,652,118
7	SDG&E Power Franchise Charges	23,736,271	23,186,516	23,113,868	23,119,179	22,912,379	22,738,425
8	ESP Charges	8,512,569	8,507,546	8,500,884	8,514,542	8,486,061	8,486,848
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,746	758,659	767,668	778,079	786,675	797,165
13	Uncollectable Accounts	$ 1,472,489	$ 1,470,538	$ 1,469,442	$ 1,471,237	$ 1,467,476	$ 1,466,726
14	**Total Operating Expenses**	$ 690,006,612	$ 678,995,272	$ 678,122,282	$ 680,873,187	$ 678,684,992	$ 677,336,887
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,601,610	$ 24,601,610	$ 24,625,875	$ 24,709,834	$ 24,601,610	$ 24,845,449
19	**Total Operating & Non-Operating Expenses**	**$ 714,608,222**	**$ 703,596,882**	**$ 702,748,157**	**$ 705,583,021**	**$ 703,286,602**	**$ 702,182,336**
20	Contingency/Rate Stabilization Fund	$ 72,641,865	$ 71,456,398	$ 71,357,954	$ 71,633,859	$ 71,383,316	$ 71,221,821
21	**Total Expenses Incl. Contingency**	$ 787,250,088	$ 775,053,280	$ 774,106,112	$ 777,216,881	$ 774,669,918	$ 773,404,157

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,354	472,906	472,441	472,886	473,038
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
5	SDG&E Service Charges	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
6	SDG&E CRS Charges	238,820,894	240,623,589	241,438,196	242,829,308	244,337,332
7	SDG&E Power Franchise Charges	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
8	ESP Charges	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,877	820,202	830,886	842,514	853,958
13	Uncollectable Accounts	$ 1,466,363	$ 1,470,404	$ 1,469,918	$ 1,470,816	$ 1,471,505
14	**Total Operating Expenses**	$ 668,994,753	$ 670,911,269	$ 674,069,615	$ 667,118,113	$ 667,379,862
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	24,601,610	24,601,610	24,601,610	24,601,610	24,601,610
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 24,601,610	$ 24,703,237	$ 24,601,610	$ 24,631,050	$ 24,601,610
19	**Total Operating & Non-Operating Expenses**	**$ 693,596,363**	**$ 695,614,507**	**$ 698,671,225**	**$ 691,749,162**	**$ 691,981,472**
20	Contingency/Rate Stabilization Fund	$ 70,305,281	$ 70,494,734	$ 70,827,561	$ 70,059,504	$ 70,072,264
21	**Total Expenses Incl. Contingency**	$ 763,901,644	$ 766,109,241	$ 769,498,786	$ 761,808,667	$ 762,053,736

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 2 - Low SDG&E Rates**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 203,539	$ 5,940,420	$ 8,282,264	$ 8,271,832	$ 8,279,145	$ 8,237,770
2		Opt-up to 100%	$ 3,009	$ -	$ 276,295	$ 275,948	$ 276,196	$ 274,799
3		**Total Projected ESP Costs**	$ 206,548	$ 5,940,420	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	135,692	3,960,280	5,521,510	5,514,555	5,519,430	5,491,847
4		Opt-up to 100%	2,006		184,197	183,965	184,131	183,199
5		**Total Customer Accounts Billing Determinants**	137,699	3,960,280	5,705,706	5,698,520	5,703,561	5,675,046
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988	5,525,881
6		Opt-up to 100%	25,218	92,111	113,387	113,245	113,347	112,773
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 2 - Low SDG&E Rates**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,232,905	$ 8,226,457	$ 8,239,669	$ 8,212,122	$ 8,212,890	$ 8,210,494
2		Opt-up to 100%	$ 274,641	$ 274,427	$ 274,872	$ 273,940	$ 273,957	$ 273,872
3		**Total Projected ESP Costs**	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
		Customer Accounts Billing Determinants						
4		Baseload	5,488,603	5,484,304	5,493,113	5,474,748	5,475,260	5,473,663
4		Opt-up to 100%	183,094	182,951	183,248	182,626	182,638	182,581
5		**Total Customer Accounts Billing Determinants**	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964	5,507,247
6		Opt-up to 100%	112,708	112,621	112,803	112,421	112,428	112,393
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 2 - Low SDG&E Rates**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,237,517	$ 8,229,433	$ 8,237,185	$ 8,239,817	$ 121,493,460
2		Opt-up to 100%	$ 274,796	$ 274,501	$ 274,761	$ 274,864	$ 3,850,879
3		**Total Projected ESP Costs**	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,344,339
		Customer Accounts Billing Determinants					
4		Baseload	5,491,678	5,486,289	5,491,456	5,493,211	80,995,640
4		Opt-up to 100%	183,198	183,001	183,174	183,243	2,567,253
5		**Total Customer Accounts Billing Determinants**	5,674,876	5,669,290	5,674,631	5,676,454	83,562,892
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,525,835	5,519,902	5,525,130	5,527,204	84,464,999
6		Opt-up to 100%	112,772	112,651	112,758	112,800	1,696,435
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 108,064,368	$ 216,298,252	$ 432,935,537	$ 750,874,321	$ 1,508,172,478
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 61,615,301	$ 67,394,227	$ 175,654,761	$ 254,537,363	$ 559,201,652
4	Power Procurement	$ 122,567,693	$ 130,221,423	$ 295,798,859	$ 418,624,481	$ 967,212,457
5	Total ESP Charges	$ 74,829	$ 405,004	$ 5,860,991	$ 8,558,559	$ 14,899,383
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,446	$ 1,982,948	$ 3,096,932	$ 5,701,756	$ 12,085,081
8	**Subtotal Expenses**	$ 186,184,393	$ 200,349,852	$ 480,834,877	$ 687,611,097	$ 1,554,980,219
9	Contingency	$ 6,361,670	$ 7,012,843	$ 18,503,602	$ 26,898,662	58,776,776
10	**Total Expenses**	$ 192,546,063	$ 207,362,695	$ 499,338,479	$ 714,509,759	$ 1,613,756,995
11	Cash Flow	$ (84,481,695)	$ 8,935,557	$ (66,402,941)	$ 36,364,563	$ (105,584,517)
12	Cumulative Cash Flow	$ (84,481,695)	$ (75,546,138)	$ (141,949,079)	$ (105,584,517)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 2 - Low SDG&E Rates

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,334	81	235,510	2,630	$ 588,000	$ 12,000
2	I	2020	Jun	7,946	84	250,148	2,748	$ -	$ -
3	I	2020	Jul	8,527	93	269,002	3,033	$ -	$ -
4	I	2020	Aug	8,206	92	259,136	3,001	$ -	$ -
5	I	2020	Sep	9,219	106	291,759	3,468	$ -	$ -
6	I	2020	Oct	8,106	92	256,018	2,998	$ -	$ -
7	II	2020	Nov	44,194	729	294,628	3,667	$ 294,000	$ 6,000
8	II	2020	Dec	42,160	730	283,595	3,672	$ -	$ -
9	II	2021	Jan	45,353	758	284,833	3,814	$ -	$ -
10	II	2021	Feb	44,641	708	286,638	3,561	$ -	$ -
11	II	2021	Mar	44,624	696	282,363	3,502	$ -	$ -
12	II	2021	Apr	44,729	682	282,741	3,429	$ -	$ -
13	III	2021	May	404,364	14,192	428,073	8,736	$ 294,000	$ 6,000
14	III	2021	Jun	414,154	14,823	447,124	9,125	$ -	$ -
15	III	2021	Jul	473,349	16,293	491,460	10,030	$ -	$ -
16	III	2021	Aug	491,046	16,249	490,120	10,002	$ -	$ -
17	III	2021	Sep	593,322	18,811	567,415	11,580	$ -	$ -
18	III	2021	Oct	500,085	16,204	488,774	9,975	$ -	$ -
19	III	2021	Nov	438,580	14,903	449,513	9,174	$ -	$ -
20	III	2021	Dec	466,035	14,917	449,953	9,183	$ -	$ -
21		2022	Jan	510,713	15,511	467,859	9,548	$ -	$ -
22		2022	Feb	425,662	14,450	435,862	8,895	$ -	$ -
23		2022	Mar	418,121	14,212	428,677	8,749	$ -	$ -
24		2022	Apr	392,454	13,845	417,616	8,523	$ -	$ -
25		2022	May	404,816	14,208	428,550	8,746	$ -	$ -
26		2022	Jun	413,013	14,783	445,892	9,100	$ -	$ -
27		2022	Jul	470,635	16,200	488,641	9,972	$ -	$ -
28		2022	Aug	491,351	16,259	490,425	10,009	$ -	$ -
29		2022	Sep	592,736	18,793	566,854	11,568	$ -	$ -
30		2022	Oct	498,443	16,151	487,169	9,942	$ -	$ -
31		2022	Nov	438,130	14,887	449,052	9,164	$ -	$ -
32		2022	Dec	465,437	14,898	449,375	9,171	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 2 - Low SDG&

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,443,850	$ 8,024,915	$ 1,010,835	$ 10,346,778	$ 132,821
2	I	2020	Jun	$ 6,692	$ 8,471,282	$ 1,109,587	$ 9,477,757	$ 109,803
3	I	2020	Jul	$ 7,183	$ 9,126,288	$ 1,185,279	$ 10,197,934	$ 120,816
4	I	2020	Aug	$ 6,915	$ 8,806,358	$ 1,257,625	$ 9,949,478	$ 121,420
5	I	2020	Sep	$ 7,771	$ 9,920,928	$ 1,337,608	$ 11,128,053	$ 138,253
6	I	2020	Oct	$ 6,832	$ 8,701,876	$ 1,183,479	$ 9,772,377	$ 119,809
7	II	2020	Nov	$ 1,468,267	$ 9,946,465	$ 1,285,222	$ 12,526,307	$ 173,646
8	II	2020	Dec	$ 35,742	$ 9,572,512	$ 1,260,964	$ 10,723,229	$ 145,989
9	II	2021	Jan	$ 39,194	$ 9,706,025	$ 1,266,635	$ 10,859,430	$ 152,425
10	II	2021	Feb	$ 38,546	$ 9,756,504	$ 1,251,505	$ 10,904,279	$ 142,275
11	II	2021	Mar	$ 38,522	$ 9,611,280	$ 1,216,418	$ 10,727,020	$ 139,201
12	II	2021	Apr	$ 38,599	$ 9,615,773	$ 1,246,053	$ 10,763,589	$ 136,836
13	III	2021	May	$ 1,786,604	$ 17,152,440	$ 1,851,263	$ 20,314,286	$ 476,021
14	III	2021	Jun	$ 364,631	$ 17,818,008	$ 2,086,230	$ 19,794,120	$ 474,748
15	III	2021	Jul	$ 416,196	$ 19,719,067	$ 2,229,097	$ 21,844,088	$ 520,273
16	III	2021	Aug	$ 431,200	$ 19,805,727	$ 2,196,035	$ 21,916,436	$ 516,527
17	III	2021	Sep	$ 520,313	$ 23,111,545	$ 2,642,398	$ 25,675,855	$ 598,401
18	III	2021	Oct	$ 438,846	$ 19,829,402	$ 2,250,842	$ 22,003,249	$ 515,841
19	III	2021	Nov	$ 385,460	$ 18,084,276	$ 1,959,240	$ 19,956,091	$ 472,884
20	III	2021	Dec	$ 408,809	$ 18,285,063	$ 1,882,068	$ 20,106,225	$ 469,716
21		2022	Jan	$ 456,236	$ 19,285,319	$ 2,010,904	$ 21,258,406	$ 494,053
22		2022	Feb	$ 381,577	$ 17,617,027	$ 1,837,103	$ 19,377,528	$ 458,179
23		2022	Mar	$ 374,833	$ 17,319,272	$ 1,797,417	$ 19,039,852	$ 451,670
24		2022	Apr	$ 352,261	$ 16,761,619	$ 1,854,776	$ 18,525,679	$ 442,977
25		2022	May	$ 363,293	$ 17,267,948	$ 1,872,932	$ 19,052,008	$ 452,165
26		2022	Jun	$ 370,899	$ 17,868,533	$ 1,886,872	$ 19,657,391	$ 468,913
27		2022	Jul	$ 422,086	$ 19,716,251	$ 2,130,641	$ 21,752,924	$ 516,054
28		2022	Aug	$ 440,098	$ 19,929,911	$ 2,231,461	$ 22,082,632	$ 518,838
29		2022	Sep	$ 530,195	$ 23,219,598	$ 2,537,122	$ 25,686,520	$ 600,394
30		2022	Oct	$ 446,153	$ 19,876,095	$ 2,206,182	$ 22,013,155	$ 515,275
31		2022	Nov	$ 392,766	$ 18,167,433	$ 1,978,742	$ 20,064,011	$ 474,930
32		2022	Dec	$ 416,450	$ 18,365,014	$ 1,852,344	$ 20,163,082	$ 470,727
		Total		$ 12,837,020	$ 490,459,752	$ 55,904,880	$ 547,659,769	$ 11,541,882

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 2 - Low SDG&

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 17,240,464	$ 248,023	$ 11,001	$ 121	$ 3,777	$ 77	$ 212,896	$ 4,345
2	I	2020	Jun	$ 18,919,423	$ 277,576	$ 11,919	$ 126	$ 3,777	$ 77	$ 212,896	$ 4,345
3	I	2020	Jul	$ 20,206,353	$ 300,209	$ 12,791	$ 139	$ 3,777	$ 77	$ 212,896	$ 4,345
4	I	2020	Aug	$ 21,428,683	$ 329,543	$ 12,310	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
5	I	2020	Sep	$ 22,797,263	$ 344,743	$ 13,828	$ 159	$ 3,777	$ 77	$ 212,896	$ 4,345
6	I	2020	Oct	$ 20,171,971	$ 303,441	$ 12,160	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
7	II	2020	Nov	$ 21,871,441	$ 364,230	$ 66,290	$ 1,093	$ 7,554	$ 154	$ 212,896	$ 4,345
8	II	2020	Dec	$ 21,438,011	$ 377,982	$ 63,241	$ 1,095	$ 7,554	$ 154	$ 212,896	$ 4,345
9	II	2021	Jan	$ 21,527,831	$ 386,275	$ 68,029	$ 1,137	$ 7,554	$ 154	$ 379,374	$ 7,742
10	II	2021	Feb	$ 21,292,699	$ 359,636	$ 66,961	$ 1,062	$ 7,554	$ 154	$ 379,374	$ 7,742
11	II	2021	Mar	$ 20,703,974	$ 341,327	$ 66,935	$ 1,044	$ 7,554	$ 154	$ 379,374	$ 7,742
12	II	2021	Apr	$ 21,214,315	$ 343,702	$ 67,093	$ 1,022	$ 7,554	$ 154	$ 379,374	$ 7,742
13	III	2021	May	$ 31,212,276	$ 816,487	$ 606,547	$ 21,288	$ 15,108	$ 308	$ 379,374	$ 7,742
14	III	2021	Jun	$ 35,112,515	$ 981,429	$ 621,231	$ 22,235	$ 15,108	$ 308	$ 379,374	$ 7,742
15	III	2021	Jul	$ 37,513,785	$ 1,051,914	$ 710,024	$ 24,440	$ 15,108	$ 308	$ 379,374	$ 7,742
16	III	2021	Aug	$ 36,984,919	$ 1,008,767	$ 736,568	$ 24,373	$ 15,108	$ 308	$ 379,374	$ 7,742
17	III	2021	Sep	$ 44,541,193	$ 1,175,040	$ 889,983	$ 28,217	$ 15,108	$ 308	$ 379,374	$ 7,742
18	III	2021	Oct	$ 37,923,236	$ 1,018,675	$ 750,127	$ 24,306	$ 15,108	$ 308	$ 379,374	$ 7,742
19	III	2021	Nov	$ 32,986,356	$ 910,531	$ 657,870	$ 22,354	$ 15,108	$ 308	$ 379,374	$ 7,742
20	III	2021	Dec	$ 31,713,143	$ 848,594	$ 699,052	$ 22,376	$ 15,108	$ 308	$ 379,374	$ 7,742
21		2022	Jan	$ 33,858,228	$ 932,493	$ 766,069	$ 23,266	$ 15,430	$ 315	$ 465,643	$ 9,503
22		2022	Feb	$ 30,951,162	$ 832,632	$ 638,493	$ 21,675	$ 15,430	$ 315	$ 465,643	$ 9,503
23		2022	Mar	$ 30,260,218	$ 836,965	$ 627,182	$ 21,318	$ 15,430	$ 315	$ 465,643	$ 9,503
24		2022	Apr	$ 31,222,944	$ 866,606	$ 588,680	$ 20,768	$ 15,430	$ 315	$ 465,643	$ 9,503
25		2022	May	$ 31,556,068	$ 847,594	$ 607,224	$ 21,312	$ 15,430	$ 315	$ 465,643	$ 9,503
26		2022	Jun	$ 31,789,764	$ 855,083	$ 619,520	$ 22,174	$ 15,430	$ 315	$ 465,643	$ 9,503
27		2022	Jul	$ 35,887,444	$ 974,854	$ 705,952	$ 24,300	$ 15,430	$ 315	$ 465,643	$ 9,503
28		2022	Aug	$ 37,612,596	$ 993,988	$ 737,026	$ 24,389	$ 15,430	$ 315	$ 465,643	$ 9,503
29		2022	Sep	$ 42,733,843	$ 1,160,994	$ 889,103	$ 28,189	$ 15,430	$ 315	$ 465,643	$ 9,503
30		2022	Oct	$ 37,183,893	$ 985,346	$ 747,665	$ 24,227	$ 15,430	$ 315	$ 465,643	$ 9,503
31		2022	Nov	$ 33,326,541	$ 907,742	$ 657,195	$ 22,331	$ 15,430	$ 315	$ 465,643	$ 9,503
32		2022	Dec	$ 31,217,710	$ 829,773	$ 698,155	$ 22,347	$ 15,430	$ 315	$ 465,643	$ 9,503
		Total		$ 944,400,263	$ 22,812,194	$ 14,426,223	$ 473,160	$ 374,014	$ 7,633	$ 11,843,379	$ 241,702

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 2 - Low SDG&

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 28,402,916	$ 397,386	$ 1,116,245	$ 14,936	$ 29,519,161	$ 412,323	$ 29,931,484
2	I	2020	Jun	$ 28,625,773	$ 391,928	$ 970,635	$ 11,435	$ 29,596,408	$ 403,363	$ 29,999,771
3	I	2020	Jul	$ 30,633,751	$ 425,587	$ 1,042,740	$ 12,538	$ 31,676,491	$ 438,124	$ 32,114,615
4	I	2020	Aug	$ 31,607,144	$ 455,523	$ 1,017,846	$ 12,598	$ 32,624,990	$ 468,121	$ 33,093,112
5	I	2020	Sep	$ 34,155,817	$ 487,577	$ 1,135,855	$ 14,283	$ 35,291,673	$ 501,860	$ 35,793,533
6	I	2020	Oct	$ 30,173,181	$ 427,810	$ 1,000,121	$ 12,437	$ 31,173,302	$ 440,247	$ 31,613,549
7	II	2020	Nov	$ 34,978,489	$ 549,468	$ 1,310,705	$ 18,524	$ 36,289,194	$ 567,992	$ 36,857,186
8	II	2020	Dec	$ 32,444,931	$ 529,565	$ 1,100,692	$ 15,158	$ 33,545,623	$ 544,724	$ 34,090,346
9	II	2021	Jan	$ 32,842,219	$ 547,733	$ 1,131,439	$ 16,146	$ 33,973,658	$ 563,879	$ 34,537,537
10	II	2021	Feb	$ 32,650,868	$ 510,870	$ 1,135,817	$ 15,123	$ 33,786,685	$ 525,994	$ 34,312,678
11	II	2021	Mar	$ 31,884,857	$ 489,468	$ 1,118,088	$ 14,814	$ 33,002,946	$ 504,282	$ 33,507,228
12	II	2021	Apr	$ 32,431,926	$ 489,457	$ 1,121,761	$ 14,575	$ 33,553,687	$ 504,032	$ 34,057,719
13	III	2021	May	$ 52,821,591	$ 1,327,846	$ 2,160,932	$ 51,136	$ 54,982,523	$ 1,378,982	$ 56,361,505
14	III	2021	Jun	$ 55,922,349	$ 1,486,463	$ 2,080,983	$ 50,503	$ 58,003,332	$ 1,536,967	$ 59,540,299
15	III	2021	Jul	$ 60,462,379	$ 1,604,678	$ 2,294,859	$ 55,276	$ 62,757,239	$ 1,659,954	$ 64,417,193
16	III	2021	Aug	$ 60,032,406	$ 1,557,717	$ 2,304,749	$ 54,895	$ 62,337,155	$ 1,612,612	$ 63,949,767
17	III	2021	Sep	$ 71,501,513	$ 1,809,709	$ 2,696,032	$ 63,467	$ 74,197,545	$ 1,873,175	$ 76,070,721
18	III	2021	Oct	$ 61,071,094	$ 1,566,873	$ 2,314,786	$ 54,820	$ 63,385,880	$ 1,621,693	$ 65,007,573
19	III	2021	Nov	$ 53,994,799	$ 1,413,820	$ 2,100,844	$ 50,329	$ 56,095,643	$ 1,464,149	$ 57,559,792
20	III	2021	Dec	$ 52,912,902	$ 1,348,737	$ 2,119,976	$ 50,014	$ 55,032,878	$ 1,398,751	$ 56,431,629
21		2022	Jan	$ 56,363,776	$ 1,459,630	$ 2,250,555	$ 52,714	$ 58,614,331	$ 1,512,344	$ 60,126,674
22		2022	Feb	$ 51,448,256	$ 1,322,304	$ 2,049,709	$ 48,967	$ 53,497,966	$ 1,371,271	$ 54,869,237
23		2022	Mar	$ 50,408,325	$ 1,319,771	$ 2,014,811	$ 48,281	$ 52,423,136	$ 1,368,052	$ 53,791,188
24		2022	Apr	$ 50,818,377	$ 1,340,169	$ 1,959,543	$ 47,356	$ 52,777,920	$ 1,387,525	$ 54,165,445
25		2022	May	$ 51,696,373	$ 1,330,889	$ 2,014,030	$ 48,329	$ 53,710,403	$ 1,379,218	$ 55,089,622
26		2022	Jun	$ 52,547,748	$ 1,355,988	$ 2,075,798	$ 50,091	$ 54,623,547	$ 1,406,079	$ 56,029,626
27		2022	Jul	$ 58,827,393	$ 1,525,025	$ 2,293,995	$ 55,017	$ 61,121,388	$ 1,580,042	$ 62,701,430
28		2022	Aug	$ 60,913,328	$ 1,547,032	$ 2,330,073	$ 55,304	$ 63,243,401	$ 1,602,336	$ 64,845,737
29		2022	Sep	$ 69,790,539	$ 1,799,395	$ 2,705,670	$ 63,840	$ 72,496,209	$ 1,863,235	$ 74,359,444
30		2022	Oct	$ 60,425,786	$ 1,534,666	$ 2,324,189	$ 54,932	$ 62,749,976	$ 1,589,598	$ 64,339,574
31		2022	Nov	$ 54,528,820	$ 1,414,821	$ 2,120,228	$ 50,708	$ 56,649,048	$ 1,465,529	$ 58,114,577
32		2022	Dec	$ 52,560,020	$ 1,332,665	$ 2,134,231	$ 50,289	$ 54,694,251	$ 1,382,954	$ 56,077,205
		Total		$ 1,519,879,648	$ 35,100,570	$ 57,547,939	$ 1,228,838	$ 1,577,427,587	$ 36,329,408	$ 1,613,756,995

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 2 - Low SDG&

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 340,243,371	$ -	$ 310,311,887	$ 310,311,887
2	I	2020	Jun	$ -	$ -	$ (29,999,771)	280,312,116
3	I	2020	Jul	$ -	$ 27,016,092	$ (5,098,523)	275,213,593
4	I	2020	Aug	$ -	$ 27,016,092	$ (6,077,020)	269,136,574
5	I	2020	Sep	$ -	$ 27,016,092	$ (8,777,442)	260,359,132
6	I	2020	Oct	$ -	$ 27,016,092	$ (4,597,457)	255,761,675
7	II	2020	Nov	$ -	$ 27,016,092	$ (9,841,094)	245,920,582
8	II	2020	Dec	$ -	$ 27,016,092	$ (7,074,254)	238,846,327
9	II	2021	Jan	$ -	$ 27,016,092	$ (7,521,445)	231,324,882
10	II	2021	Feb	$ -	$ 27,016,092	$ (7,296,586)	224,028,296
11	II	2021	Mar	$ -	$ 54,116,942	$ 20,609,714	244,638,010
12	II	2021	Apr	$ -	$ 54,116,942	$ 20,059,223	264,697,233
13	III	2021	May	$ -	$ 54,116,942	$ (2,244,563)	262,452,670
14	III	2021	Jun	$ -	$ 54,116,942	$ (5,423,356)	257,029,314
15	III	2021	Jul	$ -	$ 54,116,942	$ (10,300,250)	246,729,063
16	III	2021	Aug	$ -	$ 54,116,942	$ (9,832,825)	236,896,238
17	III	2021	Sep	$ -	$ 54,116,942	$ (21,953,779)	214,942,460
18	III	2021	Oct	$ -	$ 54,116,942	$ (10,890,631)	204,051,828
19	III	2021	Nov	$ -	$ 54,116,942	$ (3,442,850)	200,608,979
20	III	2021	Dec	$ -	$ 54,116,942	$ (2,314,687)	198,294,292
21		2022	Jan	$ -	$ 54,116,942	$ (6,009,732)	192,284,559
22		2022	Feb	$ -	$ 54,116,942	$ (752,295)	191,532,265
23		2022	Mar	$ -	$ 64,264,044	$ 10,472,856	202,005,120
24		2022	Apr	$ -	$ 64,264,044	$ 10,098,598	212,103,719
25		2022	May	$ -	$ 64,264,044	$ 9,174,422	221,278,140
26		2022	Jun	$ -	$ 64,264,044	$ 8,234,418	229,512,558
27		2022	Jul	$ -	$ 64,264,044	$ 1,562,614	231,075,172
28		2022	Aug	$ -	$ 64,264,044	$ (581,693)	230,493,479
29		2022	Sep	$ -	$ 64,264,044	$ (10,095,400)	220,398,078
30		2022	Oct	$ -	$ 64,264,044	$ (75,530)	220,322,549
31		2022	Nov	$ -	$ 64,264,044	$ 6,149,467	226,472,015
32		2022	Dec	$ -	$ 64,264,044	$ 8,186,839	234,658,854
		Total		$ 340,243,371	$ 1,508,172,478	$ 234,658,854	$ 7,533,691,659

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

271,527,480	Operating Costs, Average 5 Months for First Two Full Years
68,715,891	Average Annual Rate Stabilization Funding for First Two Full Years
340,243,371	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										340,243,371	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 340,243,371	$ 12,298,145	$ 24,601,610	$ 32,795,054	$ 409,938,180	$ 16,397,527	$ 16,397,527	$ 24,601,610	$ 24,601,610
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 16,397,527**	**$ 16,397,527**	**$ 24,601,610**	**$ 24,601,610**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 24,601,610	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610	$ 24,601,610
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 24,601,610	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**	**$ 24,601,610**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Sensitivity 2 - Low SDG&E Rates

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,699	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,998	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	102,008	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,666	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	137,737																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 2 - Low SDG&E Rates**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 2 - Low SDG&E Rates**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

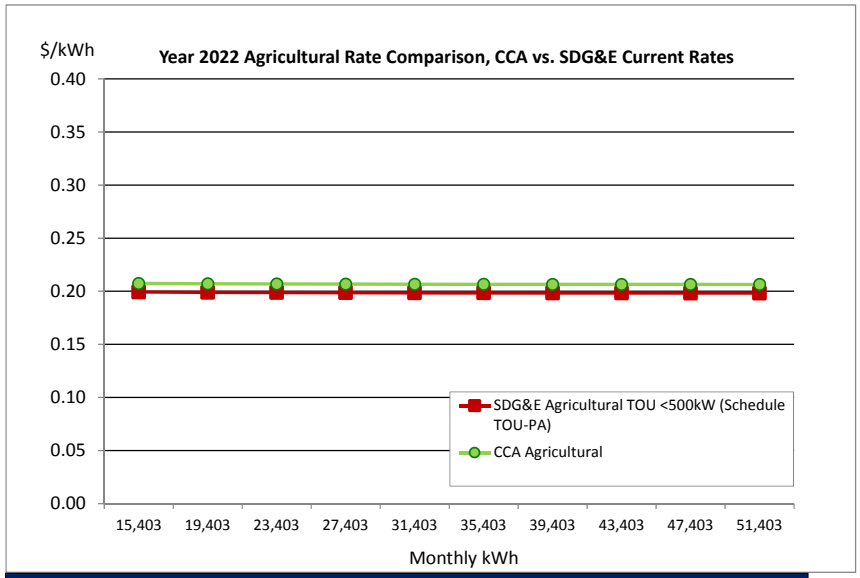
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			21.98		21.98	21.98	21.98	-	21.98	21.98	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.09			4.09	251.59	-	-	-	-	(4.09)	(251.59)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1736	0.0866	0.0055	0.2656	1,971.75	0.0856	0.1700	0.2556	1,897.22	(0.0100)	(74.53)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1358	0.0866	0.0055	0.2279	2,174.63	0.0856	0.1700	0.2556	2,439.28	0.0277	264.65
Off-Peak Energy, $/kWh	18,510 kWh	0.0956	0.0866	0.0055	0.1876	3,473.08	0.0856	0.1700	0.2556	4,730.73	0.0679	1,257.65
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0859	0.0866	0.0055	0.1780	429.95	0.0856	0.0561	0.1417	342.28	(0.0363)	(87.67)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0735	0.0866	0.0055	0.1656	1,733.52	0.0856	0.0561	0.1417	1,483.21	(0.0239)	(250.31)
Off-Peak Energy, $/kWh	14,445 kWh	0.0564	0.0866	0.0055	0.1484	2,143.87	0.0856	0.0561	0.1417	2,046.54	(0.0067)	(97.32)
Average Monthly Bill ($)						6,451.81				6,828.61		376.79
											Percentage Change	**5.8%**

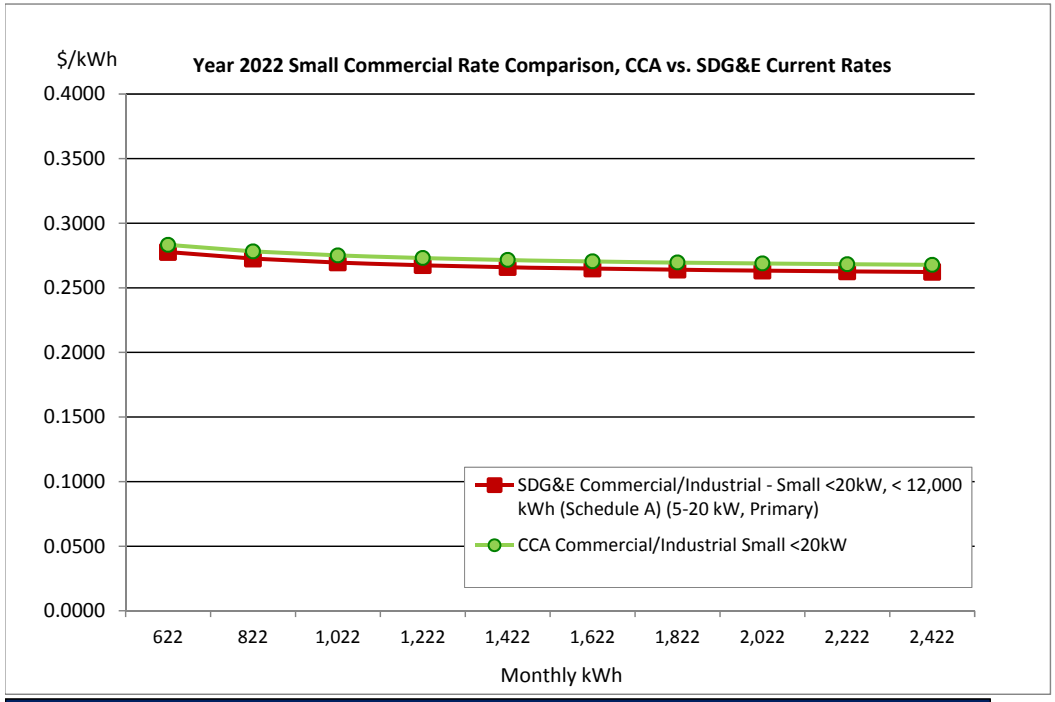


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			12.92		12.92	12.92	12.92	-	12.92	12.92	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1553	0.1323	0.0055	0.2930	432.60	0.1304	0.1800	0.3104	458.30	0.0174	25.71
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0801	0.1323	0.0055	0.2179	298.01	0.1304	0.0802	0.2106	288.09	(0.0073)	(9.92)
Average Monthly Bill ($)						380.79				389.37		8.57
											Percentage Change	**2.3%**

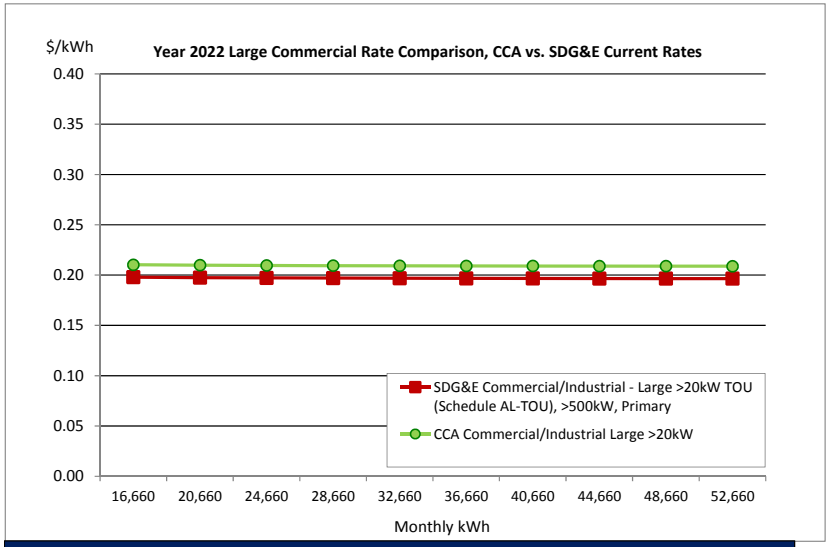


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			34.97		34.97	34.97	34.97	-	34.97	34.97	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		26.60		26.60	1,700.41	26.60	-	26.60	1,700.41	-	-
Summer												
On-Peak, $/kW	64 kW	12.06	11.06		23.12	1,477.62	11.06	-	11.06	706.78	(12.06)	(770.84)
Winter												
On-Peak, $/kW	64 kW		8.37		8.37	535.25	8.37	-	8.37	535.25	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1381	0.0047	0.0055	0.1483	1,065.86	0.0032	0.1900	0.1932	1,388.63	0.0449	322.76
Semi-Peak Energy, $/kWh	9,241 kWh	0.1267	0.0047	0.0055	0.1370	1,265.57	0.0032	0.1900	0.1932	1,785.38	0.0563	519.81
Off-Peak Energy, $/kWh	17,922 kWh	0.0907	0.0047	0.0055	0.1009	1,807.78	0.0032	0.1900	0.1932	3,462.55	0.0923	1,654.77
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1242	0.0047	0.0055	0.1344	367.97	0.0032	0.0717	0.0749	205.06	(0.0595)	(162.91)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1060	0.0047	0.0055	0.1162	1,378.89	0.0032	0.0717	0.0749	888.59	(0.0413)	(490.30)
Off-Peak Energy, $/kWh	16,369 kWh	0.0810	0.0047	0.0055	0.0912	1,492.84	0.0032	0.0717	0.0749	1,226.08	(0.0163)	(266.76)
Average Monthly Bill ($)						6,454.54				6,946.22		491.68
											Percentage Change	**7.6%**

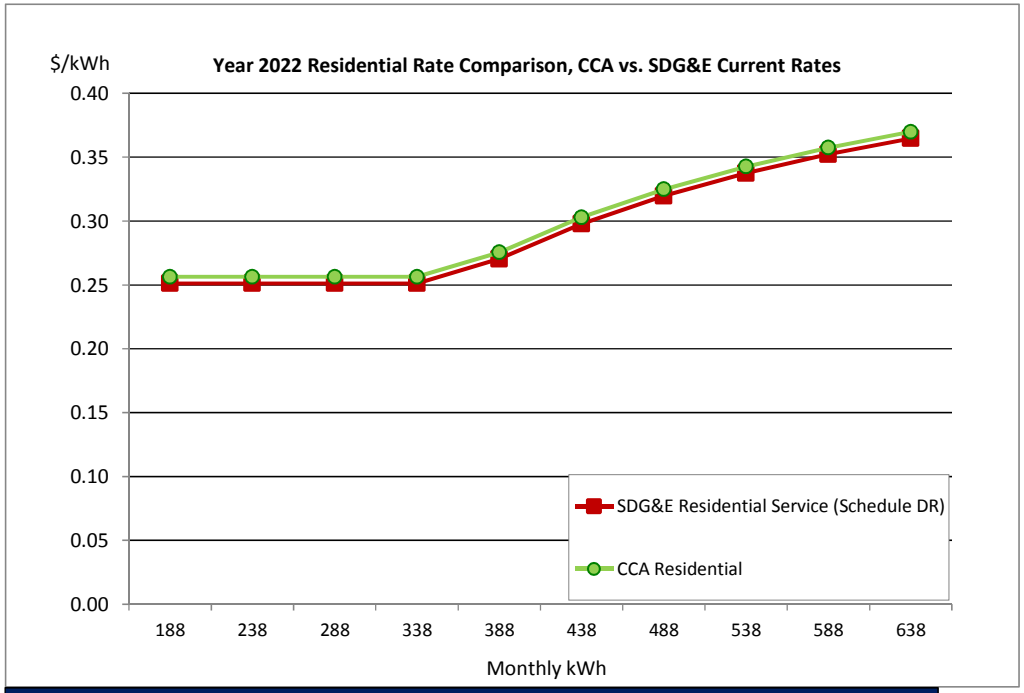


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1819	0.0754	0.0055	0.2628	94.30	0.0736	0.2100	0.2836	101.74	0.0207	7.44
Above 130% of Baseline	45 kWh	0.1819	0.3453	0.0055	0.5327	23.94	0.3434	0.2100	0.5534	24.87	0.0207	0.93
Winter												
Baseline Energy, $/kWh	361 kWh	0.0928	0.1403	0.0055	0.2386	86.09	0.1385	0.0884	0.2269	81.86	(0.0117)	(4.23)
Above 130% of Baseline	12 kWh	0.0928	0.3897	0.0055	0.4880	5.94	0.3878	0.0884	0.4762	5.80	(0.0117)	(0.14)
Average Monthly Bill ($)						105.65				107.91		2.25
											Percentage Change	**2.1%**

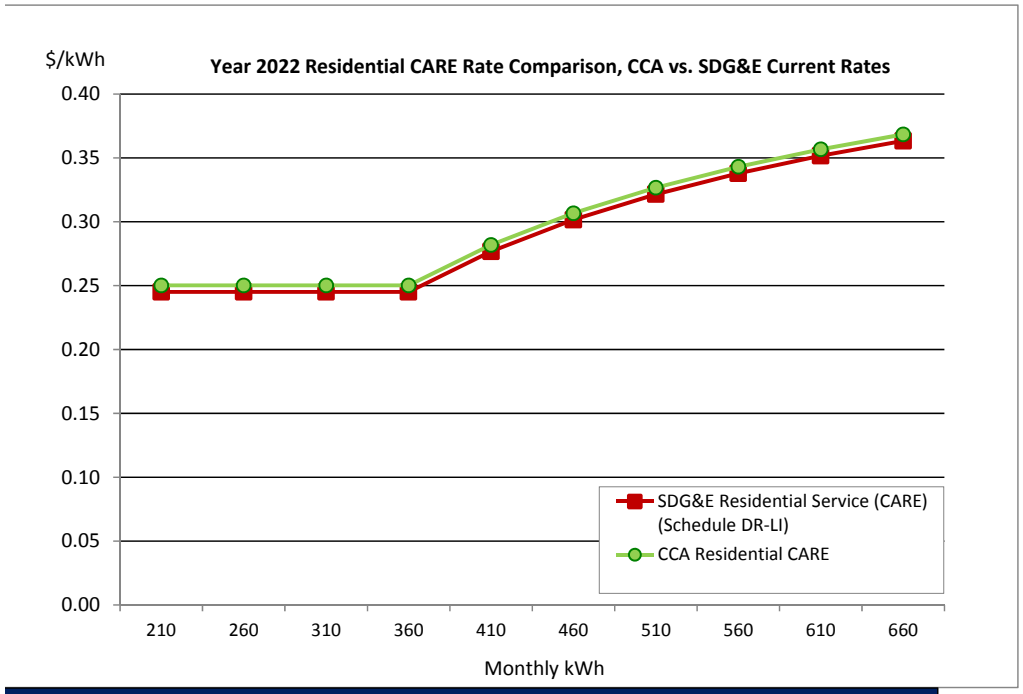


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1819	0.0748	-	0.2568	92.12	0.0730	0.2000	0.2730	97.95	0.0162	5.83
Above 130% of Baseline	67 kWh	0.1819	0.3447	-	0.5266	35.33	0.3429	0.2000	0.5429	36.42	0.0162	1.09
Winter												
Baseline Energy, $/kWh	361 kWh	0.0928	0.1397	-	0.2326	83.90	0.1379	0.0877	0.2256	81.40	(0.0069)	(2.50)
Above 130% of Baseline	33 kWh	0.0928	0.3891	-	0.4819	15.73	0.3873	0.0877	0.4750	15.50	(0.0069)	(0.23)
Average Monthly Bill ($)						114.09				116.38		2.28
											Percentage Change	**2.0%**

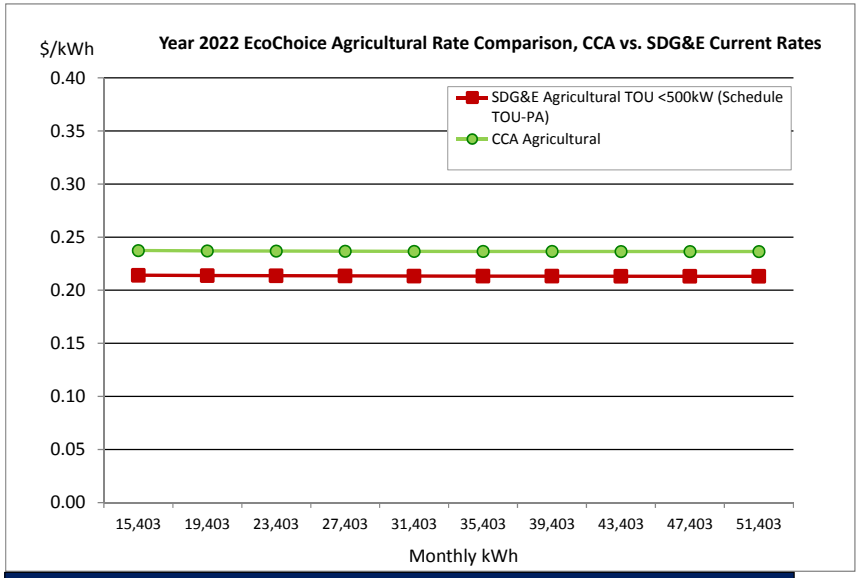


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			21.98			21.98	21.98	21.98	-	21.98	21.98	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	3.87				3.87	237.84	-	-	-	-	(3.8702)	(237.84)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1736	0.0866	0.0055	0.0153	0.2809	2,085.10	0.0856	0.2000	0.2856	2,119.91	0.0047	34.81
Semi-Peak Energy, $/kWh	9,544 kWh	0.1358	0.0866	0.0055	0.0153	0.2431	2,320.37	0.0856	0.2000	0.2856	2,725.60	0.0425	405.24
Off-Peak Energy, $/kWh	18,510 kWh	0.0956	0.0866	0.0055	0.0153	0.2029	3,755.72	0.0856	0.2000	0.2856	5,286.02	0.0827	1,530.30
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0859	0.0866	0.0055	0.0153	0.1932	466.83	0.0856	0.0861	0.1717	414.75	(0.0216)	(52.08)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0735	0.0866	0.0055	0.0153	0.1809	1,893.38	0.0856	0.0861	0.1717	1,797.27	(0.0092)	(96.11)
Off-Peak Energy, $/kWh	14,445 kWh	0.0564	0.0866	0.0055	0.0153	0.1637	2,364.44	0.0856	0.0861	0.1717	2,479.88	0.0080	115.44
Average Monthly Bill ($)							6,925.66				7,786.55		860.89
												Percentage Change	**12.4%**

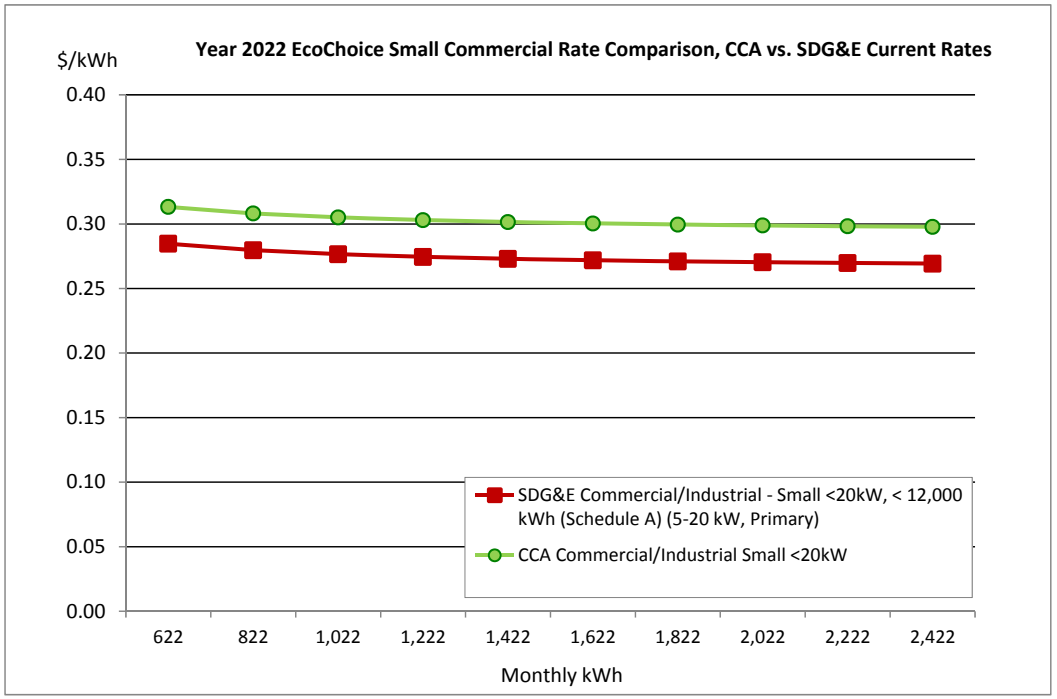


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			12.92			12.92	12.92	12.92	-	12.92	12.92	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1553	0.1323	0.0055	0.0071	0.3001	443.02	0.1304	0.2100	0.3404	502.59	0.0404	59.57
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0801	0.1323	0.0055	0.0071	0.2250	307.66	0.1304	0.1102	0.2406	329.12	0.0157	21.45
Average Monthly Bill ($)							390.85				432.09		41.24
												Percentage Change	**10.6%**

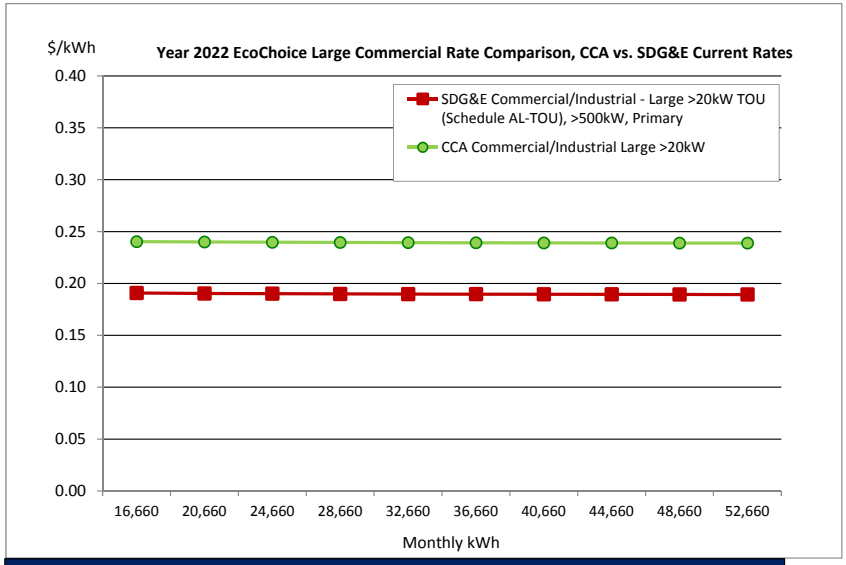


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			34.97			34.97	34.97	34.97	-	34.97	34.97	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		26.60			26.60	1,700.41	26.60	-	26.60	1,700.41	-	-
Summer													
On-Peak, $/kW	64 kW	12.76	11.06			23.82	1,522.18	11.06	-	11.06	706.78	(12.76)	(815.40)
Winter													
On-Peak, $/kW	64 kW		8.37			8.37	535.25	8.37	-	8.37	535.25	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1381	0.0047	0.0055	(0.0079)	0.1404	1,009.23	0.0032	0.2200	0.2232	1,604.25	0.0828	595.02
Semi-Peak Energy, $/kWh	9,241 kWh	0.1267	0.0047	0.0055	(0.0079)	0.1291	1,192.75	0.0032	0.2200	0.2232	2,062.61	0.0941	869.86
Off-Peak Energy, $/kWh	17,922 kWh	0.0907	0.0047	0.0055	(0.0079)	0.0930	1,666.55	0.0032	0.2200	0.2232	4,000.21	0.1302	2,333.66
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1242	0.0047	0.0055	(0.0079)	0.1265	346.39	0.0032	0.1017	0.1049	287.19	(0.0216)	(59.20)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1060	0.0047	0.0055	(0.0079)	0.1084	1,285.41	0.0032	0.1017	0.1049	1,244.49	(0.0034)	(40.91)
Off-Peak Energy, $/kWh	16,369 kWh	0.0810	0.0047	0.0055	(0.0079)	0.0833	1,363.86	0.0032	0.1017	0.1049	1,717.16	0.0216	353.30
Average Monthly Bill ($)							6,218.76				7,928.66		1,709.89
												Percentage Change	**27.5%**

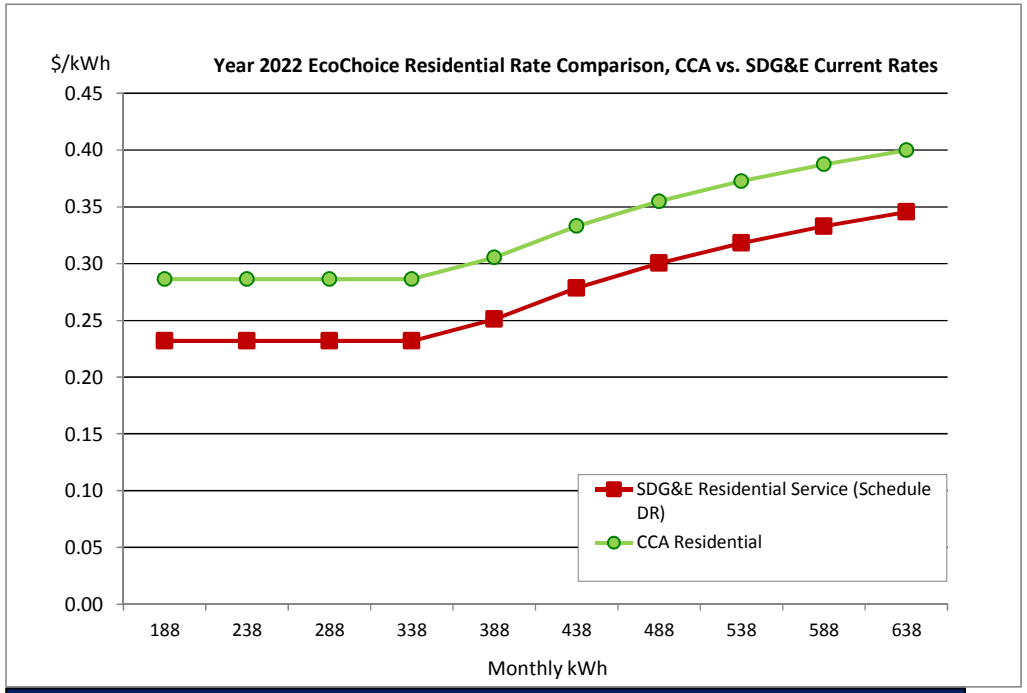


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1819	0.0754	0.0055	(0.0193)	0.2435	87.37	0.0736	0.2400	0.3136	112.51	0.0701	25.14
Above 130% of Baseline	45 kWh	0.1819	0.3453	0.0055	(0.0193)	0.5134	23.07	0.3434	0.2400	0.5834	26.22	0.0701	3.15
Winter													
Baseline Energy, $/kWh	361 kWh	0.0928	0.1403	0.0055	(0.0193)	0.2193	79.12	0.1385	0.1184	0.2569	92.69	0.0376	13.56
Above 130% of Baseline	12 kWh	0.0928	0.3897	0.0055	(0.0193)	0.4686	5.70	0.3878	0.1184	0.5062	6.16	0.0376	0.46
Average Monthly Bill ($)							98.14				119.58		21.44
												Percentage Change	**21.8%**

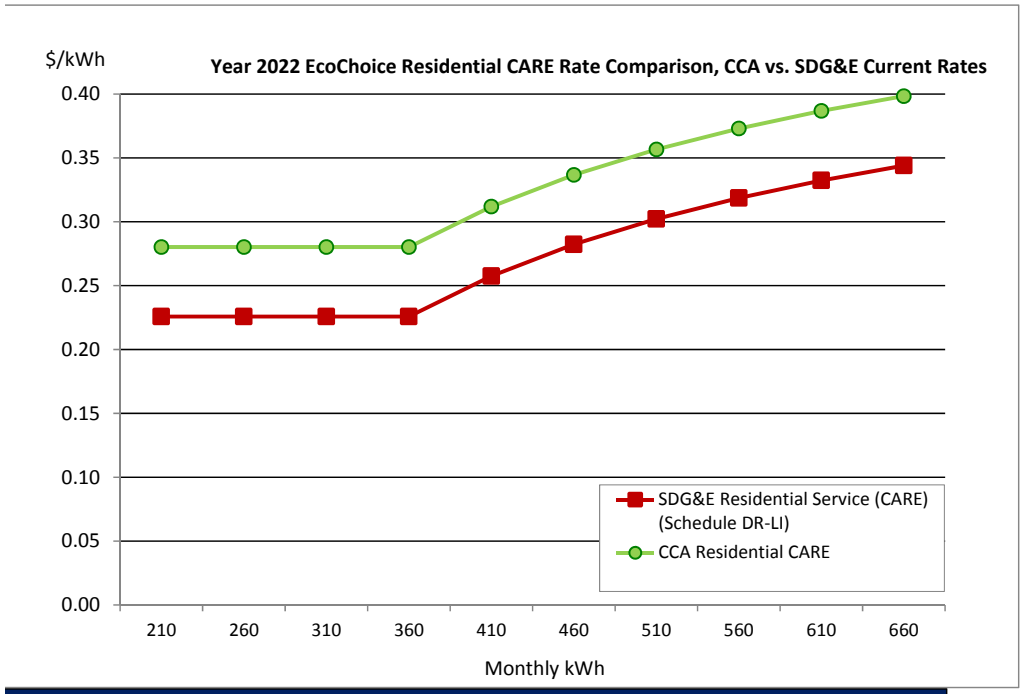


Sensitivity 2 - Low SDG&E Rates

Scenario: Sensitivity 2 - Low SDG&E Rates

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Residential Service (CARE) (Schedule DR-LI)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1819	0.0748	-	(0.0193)	0.2374	85.19	0.0730	0.2300	0.3030	108.71	0.0656	23.52
Above 130% of Baseline	67 kWh	0.1819	0.3447	-	(0.0193)	0.5073	34.04	0.3429	0.2300	0.5729	38.43	0.0656	4.40
Winter													
Baseline Energy, $/kWh	361 kWh	0.0928	0.1397	-	(0.0193)	0.2132	76.93	0.1379	0.1177	0.2556	92.23	0.0424	15.29
Above 130% of Baseline	33 kWh	0.0928	0.3891	-	(0.0193)	0.4626	15.09	0.3873	0.1177	0.5050	16.48	0.0424	1.38
Average Monthly Bill ($)							106.17				128.69		22.52
												Percentage Change	**21.2%**



Sensitivity 2 - Low SDG&E Rates

PRO FORMA OUTPUTS

SENSITIVITY 3

HIGH POWER CHARGE INDIFFERENCE ADJUSTMENT

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Sensitivity 3 - High PCIA

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	8,225,130
4	Total Non-Operating Expenses		27,597,025
5	Power Costs		816,611,371
6	Contingency/Rate Stabilization Fund		86,514,501
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**938,948,027**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	167,860
10	Total Non-Operating Expenses		563,205
11	Power Costs		20,355,527
12	Contingency/Rate Stabilization Fund		1,765,602
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**22,852,193**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**961,800,221**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Sensitivity 3 - High PCIA

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,403
3	Outdoor Lighting Small <20kW	330	23,848	6,028
4	Commercial/Industrial Small <20kW	38,255	652,769	1,422
5	Commercial/Industrial Large >20kW	7,329	2,872,328	32,660
6	Residential	324,855	1,513,904	388
7	Residential CARE	88,021	432,703	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**459,875**	**5,552,985**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	664	11,333	1,422
14	Commercial/Industrial Large >20kW	87	33,998	32,660
15	Residential	14,591	67,996	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**15,341**	**113,326**	**34,471**
19	**TOTAL CCA**	**475,216**	**5,666,311**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Sensitivity 3 - High PCIA**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.2000	0.0624	0.2300	0.0924
2	Outdoor Lighting Small <20kW	0.1400	0.0695	0.1700	0.0995
3	Commercial/Industrial Small <20kW	0.2200	0.0865	0.2500	0.1165
4	Commercial/Industrial Large >20kW	0.2200	0.0923	0.2500	0.1223
5	Residential	0.2700	0.1049	0.3000	0.1349
6	Residential CARE	0.2600	0.1043	0.2900	0.1343
7	Residential Outdoor Lighting	0.1400	0.0646	0.1700	0.0946

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 3 - High PCIA

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Sensitivity 3 - High PCIA with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,253	55,828	55,730	55,666	55,697
2	Outdoor Lighting Small <20kW	15,231	23,902	23,861	23,824	23,860
3	Commercial/Industrial Small <20kW	101,195	654,172	653,106	652,280	652,921
4	Commercial/Industrial Large >20kW	1,983,116	2,878,573	2,873,865	2,870,269	2,872,852
5	Residential	-	1,038,519	1,514,735	1,512,828	1,514,149
6	Residential CARE	-	296,840	432,941	432,396	432,774
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988
	Sensitivity 3 - High PCIA with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,835	11,357	11,339	11,324	11,335
12	Commercial/Industrial Large >20kW	23,383	34,071	34,016	33,973	34,004
13	Residential	-	46,683	68,032	67,947	68,008
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	25,218	92,111	113,387	113,245	113,347
17	**Total MWh**	**2,165,013**	**5,041,116**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 5,640,517	$ 7,822,978	$ 7,809,250	$ 7,800,188	$ 7,804,621
20	Outdoor Lighting Small <20kW	1,550,615	2,433,443	2,429,228	2,425,452	2,429,086
21	Commercial/Industrial Small <20kW	15,766,085	101,919,766	101,753,781	101,625,021	101,724,980
22	Commercial/Industrial Large >20kW	316,215,728	458,999,912	458,249,114	457,675,693	458,087,648
23	Residential	-	198,067,500	288,891,844	288,528,191	288,780,114
24	Residential CARE	-	54,985,048	80,195,689	80,094,749	80,164,775
25	Residential Outdoor Lighting	-	119,177	176,609	176,372	176,584
26	Total	339,172,944	824,347,824	939,505,516	938,325,666	939,167,808
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	238,117	1,473,848	1,471,480	1,469,632	1,470,954
30	Commercial/Industrial Large >20kW	3,074,148	4,479,239	4,472,043	4,466,426	4,470,446
31	Residential	-	7,279,897	10,609,219	10,595,893	10,605,429
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 3,312,265	$ 13,232,983	$ 16,552,742	$ 16,531,951	$ 16,546,828
35	**TOTAL RATE REVENUE**	**$ 342,485,210**	**$ 837,580,807**	**$ 956,058,257**	**$ 954,857,618**	**$ 955,714,637**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 256,863,907**	**$ 783,605,309**	**$ 936,312,016**	**$ 955,057,724**	**$ 955,571,800**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 3 - High PCIA

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Sensitivity 3 - High PCIA with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,428	55,399	55,357	55,425	55,251	55,252
2	Outdoor Lighting Small <20kW	23,732	23,719	23,701	23,748	23,654	23,656
3	Commercial/Industrial Small <20kW	649,552	649,173	648,652	649,767	647,505	647,538
4	Commercial/Industrial Large >20kW	2,858,217	2,856,612	2,854,405	2,859,043	2,849,272	2,849,404
5	Residential	1,506,610	1,505,718	1,504,541	1,506,940	1,501,926	1,502,074
6	Residential CARE	430,618	430,363	430,027	430,713	429,278	429,320
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,525,881	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964
	Sensitivity 3 - High PCIA with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,277	11,271	11,262	11,280	11,242	11,243
12	Commercial/Industrial Large >20kW	33,832	33,812	33,786	33,841	33,726	33,728
13	Residential	67,664	67,625	67,572	67,682	67,452	67,457
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	112,773	112,708	112,621	112,803	112,421	112,428
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,766,886	$ 7,762,805	$ 7,756,949	$ 7,766,486	$ 7,742,097	$ 7,742,264
20	Outdoor Lighting Small <20kW	2,416,105	2,414,729	2,412,970	2,417,750	2,408,197	2,408,321
21	Commercial/Industrial Small <20kW	101,199,967	101,141,021	101,059,812	101,233,531	100,881,127	100,886,307
22	Commercial/Industrial Large >20kW	455,753,948	455,498,031	455,146,105	455,885,718	454,327,729	454,348,703
23	Residential	287,342,343	287,172,209	286,947,701	287,405,142	286,448,879	286,477,190
24	Residential CARE	79,765,370	79,718,203	79,655,890	79,782,973	79,517,290	79,525,033
25	Residential Outdoor Lighting	175,642	175,541	175,409	175,748	175,086	175,095
26	Total	934,420,260	933,882,538	933,154,836	934,667,348	931,500,406	931,562,914
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,463,510	1,462,670	1,461,530	1,463,902	1,458,935	1,459,030
30	Commercial/Industrial Large >20kW	4,447,823	4,445,268	4,441,805	4,449,014	4,433,918	4,434,206
31	Residential	10,551,759	10,545,699	10,537,484	10,554,586	10,518,773	10,519,455
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 16,463,092	$ 16,453,637	$ 16,440,820	$ 16,467,503	$ 16,411,626	$ 16,412,691
35	**TOTAL RATE REVENUE**	**$ 950,883,352**	**$ 950,336,175**	**$ 949,595,656**	**$ 951,134,851**	**$ 947,912,032**	**$ 947,975,605**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 951,688,566**	**$ 950,427,372**	**$ 949,719,076**	**$ 950,878,319**	**$ 948,449,169**	**$ 947,965,009**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 3 - High PCIA

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Sensitivity 3 - High PCIA with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,410	55,359	55,412	55,436
2	Outdoor Lighting Small <20kW	23,649	23,747	23,706	23,726	23,736
3	Commercial/Industrial Small <20kW	647,322	649,575	648,801	649,416	649,701
4	Commercial/Industrial Large >20kW	2,848,486	2,858,225	2,855,015	2,857,732	2,858,893
5	Residential	1,501,643	1,506,552	1,505,110	1,506,527	1,506,988
6	Residential CARE	429,196	430,601	430,187	430,592	430,725
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,507,247	5,525,835	5,519,902	5,525,130	5,527,204
	Sensitivity 3 - High PCIA with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,239	11,277	11,265	11,276	11,280
12	Commercial/Industrial Large >20kW	33,718	33,832	33,795	33,827	33,840
13	Residential	67,436	67,663	67,591	67,655	67,680
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	112,393	112,772	112,651	112,758	112,800
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,739,455	$ 7,764,354	$ 7,757,204	$ 7,764,667	$ 7,767,940
20	Outdoor Lighting Small <20kW	2,407,596	2,417,580	2,413,432	2,415,433	2,416,457
21	Commercial/Industrial Small <20kW	100,852,620	101,203,540	101,083,038	101,178,905	101,223,198
22	Commercial/Industrial Large >20kW	454,202,306	455,755,303	455,243,456	455,676,729	455,861,804
23	Residential	286,394,976	287,331,140	287,056,242	287,326,426	287,414,349
24	Residential CARE	79,502,127	79,762,365	79,685,653	79,760,676	79,785,320
25	Residential Outdoor Lighting	175,040	175,703	175,444	175,606	175,684
26	Total	931,274,119	934,409,986	933,414,470	934,298,443	934,644,753
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,458,575	1,463,498	1,461,927	1,463,311	1,463,861
30	Commercial/Industrial Large >20kW	4,432,824	4,447,785	4,443,010	4,447,218	4,448,887
31	Residential	10,516,177	10,551,670	10,540,341	10,550,325	10,554,284
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 16,407,576	$ 16,462,954	$ 16,445,277	$ 16,460,855	$ 16,467,031
35	**TOTAL RATE REVENUE**	**$ 947,681,696**	**$ 950,872,939**	**$ 949,859,747**	**$ 950,759,297**	**$ 951,111,784**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 947,730,681**	**$ 950,341,065**	**$ 950,028,613**	**$ 950,609,372**	**$ 951,053,036**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 256,863,907	$ 783,605,309	$ 936,312,016	$ 955,057,724	$ 955,571,800	$ 951,688,566	$ 950,427,372	$ 949,719,076
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 256,863,907	$ 783,605,309	$ 936,312,016	$ 955,057,724	$ 955,571,800	$ 951,688,566	$ 950,427,372	$ 949,719,076
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		166,619,357	381,968,618	418,624,481	420,513,945	413,324,294	410,662,128	401,150,788	399,893,907
7	SDG&E Service Charges		2,983,252	4,906,921	4,946,847	5,039,429	5,144,765	5,221,424	5,322,710	5,424,913
8	SDG&E CRS Charges		91,672,633	266,166,301	340,064,298	380,970,258	425,490,071	457,734,764	496,931,656	543,416,497
9	SDG&E Power Franchise Charges		9,630,599	22,077,786	24,196,495	24,305,706	23,890,144	23,736,271	23,186,516	23,113,868
10	ESP Charges		206,548	5,940,420	8,558,559	8,547,780	8,555,341	8,512,569	8,507,546	8,500,884
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,477	541,929	729,317	735,669	743,543	749,746	758,659	767,668
15	Uncollectable Accounts		482,904	1,473,178	1,760,267	1,795,509	1,796,475	1,789,175	1,786,803	1,785,472
16	**Total Operating Expenses**		$ 274,271,762	$ 687,632,789	$ 804,603,351	$ 847,779,428	$ 884,968,605	$ 914,588,301	$ 943,990,323	$ 989,417,076
17	Contingency/Rate Stabilization Fund		28,904,534	72,150,067	84,172,139	88,506,500	92,161,669	95,100,034	97,955,903	102,487,434
18	**Total Operating Expenses & Contin/Rate Stab**		$ 303,176,296	$ 759,782,856	$ 888,775,490	$ 936,285,927	$ 977,130,274	$ 1,009,688,335	$ 1,041,946,226	$ 1,091,904,509
19	**Net Operating Revenues**		$ (46,312,389)	$ 23,822,452	$ 47,536,525	$ 18,771,797	$ (21,558,474)	$ (57,999,769)	$ (91,518,854)	$ (142,185,433)
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,517,273	3,943,646	4,105,480	4,196,774	3,943,056	3,302,943	2,307,078	880,204
22	Total Non-Operating Revenues (Expenses)		$ 2,217,273	$ 3,943,646	$ 4,105,480	$ 4,196,774	$ 3,852,840	$ 3,302,943	$ 2,307,078	$ 855,939
23	**Net Operating Income**		$ (44,095,116)	$ 27,766,098	$ 51,642,005	$ 22,968,571	$ (17,705,634)	$ (54,696,826)	$ (89,211,777)	$ (141,329,494)
	Debt Service	[3]								
24	Borrowing 1		$ 18,749,384	$ 18,749,384	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 18,749,384	$ 18,749,384	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
29	**Debt Service Coverage (Target=1.25)**		(2.35)	1.48	1.84	0.82	(0.63)	(1.94)	(3.17)	(5.02)
30	**Margin (Loss) Before Capital Contributions and Transfers**		$ (62,844,500)	$ 9,016,714	$ 23,511,847	$ (5,161,586)	$ (45,835,791)	$ (82,826,984)	$ (117,341,934)	$ (169,459,652)
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (62,844,500)	$ 9,016,714	$ 23,511,847	$ (5,161,586)	$ (45,835,791)	$ (82,826,984)	$ (117,341,934)	$ (169,459,652)

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 344,948,516	$ 372,714,614	$ 396,226,462	$ 391,064,875	$ 345,229,084	$ 262,402,100	$ 145,060,166
35	Deposit/(Withdrawal) from Operations	$ (62,844,500)	$ 9,016,714	$ 23,511,847	$ (5,161,586)	$ (45,835,791)	$ (82,826,984)	$ (117,341,934)	$ (169,459,652)
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 454,672,558	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (28,130,158)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (37,498,768)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	18,749,384	18,749,384	-	-	-	-	-	-
41	Ending Year Balance	$ 344,948,516	$ 372,714,614	$ 396,226,462	$ 391,064,875	$ 345,229,084	$ 262,402,100	$ 145,060,166	$ (24,399,486)
42	Targeted Working Capital Balance	$ 108,628,643	$ 278,061,368	$ 329,887,238	$ 350,877,580	$ 370,366,480	$ 385,398,913	$ 401,418,618	$ 424,021,723
43	Surplus/(Deficiency)	$ 236,319,873	$ 94,653,246	$ 66,339,224	$ 40,187,295	$ (25,137,396)	$ (122,996,813)	$ (256,358,452)	$ (448,421,209)
44	Ratio of Surplus/(Deficiency) to Revenues	92%	12%	7%	4%	-3%	-13%	-27%	-47%
45	% Surplus/(Deficiency) to Target	218%	34%	20%	11%	-7%	-32%	-64%	-106%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 344,948,516	$ 372,714,614	$ 396,226,462	$ 391,064,875	$ 345,229,084	$ 262,402,100	$ 145,060,166
47	Total Operating Revenues	256,863,907	783,605,309	936,312,016	955,057,724	955,571,800	951,688,566	950,427,372	949,719,076
48	Total Operating Expenses	(274,271,762)	(687,632,789)	(804,603,351)	(847,779,428)	(884,968,605)	(914,588,301)	(943,990,323)	(989,417,076)
49	Contingency/Rate Stabilization Fund	(28,904,534)	(72,150,067)	(84,172,139)	(88,506,500)	(92,161,669)	(95,100,034)	(97,955,903)	(102,487,434)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	389,043,632	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	18,749,384	18,749,384	-	-	-	-	-	-
54	Total Debt Service	(18,749,384)	(18,749,384)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)
55	Total Funds	$ 342,431,243	$ 368,770,968	$ 392,120,982	$ 386,868,101	$ 341,286,028	$ 259,099,157	$ 142,753,089	$ (25,279,690)
56	Average Annual Balance	$ 228,287,495	$ 356,859,742	$ 382,417,798	$ 391,547,281	$ 366,175,451	$ 302,164,121	$ 202,577,594	$ 59,890,238
57	Annual Interest Earnings, All Funds	$ 2,517,273	$ 3,943,646	$ 4,105,480	$ 4,196,774	$ 3,943,056	$ 3,302,943	$ 2,307,078	$ 880,204
	Year Ending Balance, with Interest	$ 344,948,516	$ 372,714,614	$ 396,226,462	$ 391,064,875	$ 345,229,084	$ 262,402,100	$ 145,060,166	$ (24,399,486)
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
59	Deposit from Bond Proceeds	$ 28,130,158	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
62	Average Annual Balance	$ 14,065,079	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
63	Annual Interest Earnings, to Operating Fund	$ 140,651	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 18,749,384	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 37,498,768	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (18,749,384)	$ (18,749,384)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 18,749,384	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 9,374,692	$ 9,374,692	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 93,747	$ 93,747	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 950,878,319	$ 948,449,169	$ 947,965,009	$ 947,730,681	$ 950,341,065	$ 950,028,613	$ 950,609,372	$ 951,053,036
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 950,878,319	$ 948,449,169	$ 947,965,009	$ 947,730,681	$ 950,341,065	$ 950,028,613	$ 950,609,372	$ 951,053,036
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		399,985,799	396,407,943	393,398,364	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
7	SDG&E Service Charges		5,542,301	5,634,238	5,747,456	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
8	SDG&E CRS Charges		600,582,571	661,410,331	729,094,886	802,750,468	886,432,348	975,227,207	1,075,905,523	1,188,080,307
9	SDG&E Power Franchise Charges		23,119,179	22,912,379	22,738,425	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
10	ESP Charges		8,514,542	8,486,061	8,486,848	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,079	786,675	797,165	807,877	820,202	830,886	842,514	853,958
15	Uncollectable Accounts		1,787,651	1,783,084	1,782,174	1,781,734	1,786,641	1,786,054	1,787,146	1,787,980
16	**Total Operating Expenses**		$ 1,046,997,278	$ 1,104,286,504	$ 1,169,095,104	$ 1,233,239,697	$ 1,317,036,265	$ 1,408,174,761	$ 1,500,510,657	$ 1,611,439,312
17	Contingency/Rate Stabilization Fund		108,246,269	113,943,467	120,397,643	126,729,776	135,107,234	144,238,076	153,398,759	164,478,209
18	**Total Operating Expenses & Contin/Rate Stab**		$ 1,155,243,547	$ 1,218,229,971	$ 1,289,492,747	$ 1,359,969,473	$ 1,452,143,499	$ 1,552,412,836	$ 1,653,909,416	$ 1,775,917,521
19	**Net Operating Revenues**		$ (204,365,228)	$ (269,780,803)	$ (341,527,738)	$ (412,238,792)	$ (501,802,433)	$ (602,384,224)	$ (703,300,044)	$ (824,864,485)
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		281,302	281,302	281,302	281,302	281,302	281,302	281,302	281,302
22	Total Non-Operating Revenues (Expenses)		$ 173,077	$ 281,302	$ 37,463	$ 281,302	$ 179,674	$ 281,302	$ 251,862	$ 281,302
23	**Net Operating Income**		$ (204,192,150)	$ (269,499,501)	$ (341,490,275)	$ (411,957,491)	$ (501,622,759)	$ (602,102,922)	$ (703,048,182)	$ (824,583,183)
	Debt Service	[3]								
24	Borrowing 1		$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
29	**Debt Service Coverage (Target=1.25)**		(7.26)	(9.58)	(12.14)	(14.64)	(17.83)	(21.40)	(24.99)	(29.31)
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (232,322,308)	$ (297,629,659)	$ (369,620,433)	$ (440,087,649)	$ (529,752,917)	$ (630,233,080)	$ (731,178,340)	$ (852,713,341)
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (232,322,308)	$ (297,629,659)	$ (369,620,433)	$ (440,087,649)	$ (529,752,917)	$ (630,233,080)	$ (731,178,340)	$ (852,713,341)

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ (24,399,486)	$ (256,721,794)	$ (554,351,453)	$ (923,971,885)	$ (1,364,059,534)	$ (1,893,812,451)	$ (2,524,045,531)	$ (3,255,223,870)
35	Deposit/(Withdrawal) from Operations	$ (232,322,308)	$ (297,629,659)	$ (369,620,433)	$ (440,087,649)	$ (529,752,917)	$ (630,233,080)	$ (731,178,340)	$ (852,713,341)
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ (256,721,794)	$ (554,351,453)	$ (923,971,885)	$ (1,364,059,534)	$ (1,893,812,451)	$ (2,524,045,531)	$ (3,255,223,870)	$ (4,107,937,211)
42	Targeted Working Capital Balance	$ 452,402,754	$ 481,226,778	$ 513,668,167	$ 546,785,009	$ 588,148,977	$ 632,787,705	$ 679,637,318	$ 734,583,671
43	Surplus/(Deficiency)	$ (709,124,548)	$ (1,035,578,231)	$ (1,437,640,052)	$ (1,910,844,543)	$ (2,481,961,427)	$ (3,156,833,236)	$ (3,934,861,188)	$ (4,842,520,882)
44	Ratio of Surplus/(Deficiency) to Revenues	-75%	-109%	-152%	-202%	-261%	-332%	-414%	-509%
45	% Surplus/(Deficiency) to Target	-157%	-215%	-280%	-349%	-422%	-499%	-579%	-659%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ (24,399,486)	$ (256,721,794)	$ (554,351,453)	$ (923,971,885)	$ (1,364,059,534)	$ (1,893,812,451)	$ (2,524,045,531)	$ (3,255,223,870)
47	Total Operating Revenues	950,878,319	948,449,169	947,965,009	947,730,681	950,341,065	950,028,613	950,609,372	951,053,036
48	Total Operating Expenses	(1,046,997,278)	(1,104,286,504)	(1,169,095,104)	(1,233,239,697)	(1,317,036,265)	(1,408,174,761)	(1,500,510,657)	(1,611,439,312)
49	Contingency/Rate Stabilization Fund	(108,246,269)	(113,943,467)	(120,397,643)	(126,729,776)	(135,107,234)	(144,238,076)	(153,398,759)	(164,478,209)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)	(28,130,158)
55	Total Funds	$ (257,003,095)	$ (554,632,754)	$ (924,253,187)	$ (1,364,340,835)	$ (1,894,093,752)	$ (2,524,326,832)	$ (3,255,505,172)	$ (4,108,218,513)
56	Average Annual Balance	$ (140,701,291)	$ (405,677,274)	$ (739,302,320)	$ (1,144,156,360)	$ (1,629,076,643)	$ (2,209,069,641)	$ (2,889,775,351)	$ (3,681,721,191)
57	Annual Interest Earnings, All Funds	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302
	Year Ending Balance, with Interest	$ (256,721,794)	$ (554,351,453)	$ (923,971,885)	$ (1,364,059,534)	$ (1,893,812,451)	$ (2,524,045,531)	$ (3,255,223,870)	$ (4,107,937,211)
	Bond Reserve Fund								
58	Beginning Year Balance	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
62	Average Annual Balance	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
63	Annual Interest Earnings, to Operating Fund	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302	$ 281,302
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,475	340,793	475,476	474,877	475,297
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	166,619,357	381,968,618	418,624,481	420,513,945	413,324,294
5	SDG&E Service Charges	2,983,252	4,906,921	4,946,847	5,039,429	5,144,765
6	SDG&E CRS Charges	91,672,633	266,166,301	340,064,298	380,970,258	425,490,071
7	SDG&E Power Franchise Charges	9,630,599	22,077,786	24,196,495	24,305,706	23,890,144
8	ESP Charges	206,548	5,940,420	8,558,559	8,547,780	8,555,341
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,477	541,929	729,317	735,669	743,543
13	Uncollectable Accounts	$ 482,904	$ 1,473,178	$ 1,760,267	$ 1,795,509	$ 1,796,475
14	**Total Operating Expenses**	$ 274,271,762	$ 687,632,789	$ 804,603,351	$ 847,779,428	$ 884,968,605
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	18,749,384	18,749,384	28,130,158	28,130,158	28,130,158
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 19,049,384	$ 18,749,384	$ 28,130,158	$ 28,130,158	$ 28,220,374
19	**Total Operating & Non-Operating Expenses**	**$ 293,321,146**	**$ 706,382,173**	**$ 832,733,509**	**$ 875,909,585**	**$ 913,188,978**
20	Contingency/Rate Stabilization Fund	$ 28,904,534	$ 72,150,067	$ 84,172,139	$ 88,506,500	$ 92,161,669
21	**Total Expenses Incl. Contingency**	$ 322,225,680	$ 778,532,240	$ 916,905,648	$ 964,416,085	$ 1,005,350,648

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,920	472,641	472,271	473,030	471,448	471,492
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	410,662,128	401,150,788	399,893,907	399,985,799	396,407,943	393,398,364
5	SDG&E Service Charges	5,221,424	5,322,710	5,424,913	5,542,301	5,634,238	5,747,456
6	SDG&E CRS Charges	457,734,764	496,931,656	543,416,497	600,582,571	661,410,331	729,094,886
7	SDG&E Power Franchise Charges	23,736,271	23,186,516	23,113,868	23,119,179	22,912,379	22,738,425
8	ESP Charges	8,512,569	8,507,546	8,500,884	8,514,542	8,486,061	8,486,848
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,746	758,659	767,668	778,079	786,675	797,165
13	Uncollectable Accounts	$ 1,789,175	$ 1,786,803	$ 1,785,472	$ 1,787,651	$ 1,783,084	$ 1,782,174
14	**Total Operating Expenses**	$ 914,588,301	$ 943,990,323	$ 989,417,076	$ 1,046,997,278	$ 1,104,286,504	$ 1,169,095,104
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	28,130,158	28,130,158	28,130,158	28,130,158	28,130,158	28,130,158
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 28,130,158	$ 28,130,158	$ 28,154,423	$ 28,238,382	$ 28,130,158	$ 28,373,996
19	**Total Operating & Non-Operating Expenses**	**$ 942,718,458**	**$ 972,120,481**	**$ 1,017,571,498**	**$ 1,075,235,660**	**$ 1,132,416,662**	**$ 1,197,469,101**
20	Contingency/Rate Stabilization Fund	$ 95,100,034	$ 97,955,903	$ 102,487,434	$ 108,246,269	$ 113,943,467	$ 120,397,643
21	**Total Expenses Incl. Contingency**	$ 1,037,818,493	$ 1,070,076,383	$ 1,120,058,932	$ 1,183,481,929	$ 1,246,360,129	$ 1,317,866,743

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,354	472,906	472,441	472,886	473,038
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
5	SDG&E Service Charges	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
6	SDG&E CRS Charges	802,750,468	886,432,348	975,227,207	1,075,905,523	1,188,080,307
7	SDG&E Power Franchise Charges	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
8	ESP Charges	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,877	820,202	830,886	842,514	853,958
13	Uncollectable Accounts	$ 1,781,734	$ 1,786,641	$ 1,786,054	$ 1,787,146	$ 1,787,980
14	**Total Operating Expenses**	$ 1,233,239,697	$ 1,317,036,265	$ 1,408,174,761	$ 1,500,510,657	$ 1,611,439,312
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	28,130,158	28,130,158	28,130,158	28,130,158	28,130,158
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 28,130,158	$ 28,231,785	$ 28,130,158	$ 28,159,597	$ 28,130,158
19	**Total Operating & Non-Operating Expenses**	**$ 1,261,369,855**	**$ 1,345,268,050**	**$ 1,436,304,918**	**$ 1,528,670,255**	**$ 1,639,569,470**
20	Contingency/Rate Stabilization Fund	$ 126,729,776	$ 135,107,234	$ 144,238,076	$ 153,398,759	$ 164,478,209
21	**Total Expenses Incl. Contingency**	$ 1,388,099,631	$ 1,480,375,284	$ 1,580,542,994	$ 1,682,069,013	$ 1,804,047,679

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Sensitivity 3 - High PCIA

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 3 - High PCIA**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 203,539	$ 5,940,420	$ 8,282,264	$ 8,271,832	$ 8,279,145	$ 8,237,770
2		Opt-up to 100%	$ 3,009	$ -	$ 276,295	$ 275,948	$ 276,196	$ 274,799
3		**Total Projected ESP Costs**	$ 206,548	$ 5,940,420	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	135,692	3,960,280	5,521,510	5,514,555	5,519,430	5,491,847
4		Opt-up to 100%	2,006		184,197	183,965	184,131	183,199
5		**Total Customer Accounts Billing Determinants**	137,699	3,960,280	5,705,706	5,698,520	5,703,561	5,675,046
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988	5,525,881
6		Opt-up to 100%	25,218	92,111	113,387	113,245	113,347	112,773
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 3 - High PCIA**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,232,905	$ 8,226,457	$ 8,239,669	$ 8,212,122	$ 8,212,890	$ 8,210,494
2		Opt-up to 100%	$ 274,641	$ 274,427	$ 274,872	$ 273,940	$ 273,957	$ 273,872
3		**Total Projected ESP Costs**	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
		Customer Accounts Billing Determinants						
4		Baseload	5,488,603	5,484,304	5,493,113	5,474,748	5,475,260	5,473,663
4		Opt-up to 100%	183,094	182,951	183,248	182,626	182,638	182,581
5		**Total Customer Accounts Billing Determinants**	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964	5,507,247
6		Opt-up to 100%	112,708	112,621	112,803	112,421	112,428	112,393
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: Sensitivity 3 - High PCIA

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,237,517	$ 8,229,433	$ 8,237,185	$ 8,239,817	$ 121,493,460
2		Opt-up to 100%	$ 274,796	$ 274,501	$ 274,761	$ 274,864	$ 3,850,879
3		**Total Projected ESP Costs**	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,344,339
		Customer Accounts Billing Determinants					
4		Baseload	5,491,678	5,486,289	5,491,456	5,493,211	80,995,640
4		Opt-up to 100%	183,198	183,001	183,174	183,243	2,567,253
5		**Total Customer Accounts Billing Determinants**	5,674,876	5,669,290	5,674,631	5,676,454	83,562,892
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,525,835	5,519,902	5,525,130	5,527,204	84,464,999
6		Opt-up to 100%	112,772	112,651	112,758	112,800	1,696,435
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 3 - High PCIA

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 128,431,954	$ 259,032,838	$ 522,403,539	$ 910,860,898	$ 1,820,729,229
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 75,599,143	$ 86,763,884	$ 235,074,464	$ 369,207,641	$ 766,645,132
4	Power Procurement	$ 122,567,693	$ 130,221,423	$ 295,798,859	$ 418,624,481	$ 967,212,457
5	Total ESP Charges	$ 74,829	$ 405,004	$ 5,860,991	$ 8,558,559	$ 14,899,383
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,446	$ 1,982,948	$ 3,096,932	$ 5,701,756	$ 12,085,081
8	**Subtotal Expenses**	$ 200,168,235	$ 219,719,509	$ 540,254,580	$ 802,281,375	$ 1,762,423,699
9	Contingency	$ 7,760,054	$ 8,949,809	$ 24,445,572	$ 38,365,689	79,521,124
10	**Total Expenses**	$ 207,928,290	$ 228,669,317	$ 564,700,152	$ 840,647,065	$ 1,841,944,823
11	Cash Flow	$ (79,496,336)	$ 30,363,521	$ (42,296,613)	$ 70,213,833	$ (21,215,594)
12	Cumulative Cash Flow	$ (79,496,336)	$ (49,132,815)	$ (91,429,428)	$ (21,215,594)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 3 - High PCIA

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,334	81	235,510	2,630	$ 588,000	$ 12,000
2	I	2020	Jun	7,946	84	250,148	2,748	$ -	$ -
3	I	2020	Jul	8,527	93	269,002	3,033	$ -	$ -
4	I	2020	Aug	8,206	92	259,136	3,001	$ -	$ -
5	I	2020	Sep	9,219	106	291,759	3,468	$ -	$ -
6	I	2020	Oct	8,106	92	256,018	2,998	$ -	$ -
7	II	2020	Nov	44,194	729	294,628	3,667	$ 294,000	$ 6,000
8	II	2020	Dec	42,160	730	283,595	3,672	$ -	$ -
9	II	2021	Jan	45,353	758	284,833	3,814	$ -	$ -
10	II	2021	Feb	44,641	708	286,638	3,561	$ -	$ -
11	II	2021	Mar	44,624	696	282,363	3,502	$ -	$ -
12	II	2021	Apr	44,729	682	282,741	3,429	$ -	$ -
13	III	2021	May	404,364	14,192	428,073	8,736	$ 294,000	$ 6,000
14	III	2021	Jun	414,154	14,823	447,124	9,125	$ -	$ -
15	III	2021	Jul	473,349	16,293	491,460	10,030	$ -	$ -
16	III	2021	Aug	491,046	16,249	490,120	10,002	$ -	$ -
17	III	2021	Sep	593,322	18,811	567,415	11,580	$ -	$ -
18	III	2021	Oct	500,085	16,204	488,774	9,975	$ -	$ -
19	III	2021	Nov	438,580	14,903	449,513	9,174	$ -	$ -
20	III	2021	Dec	466,035	14,917	449,953	9,183	$ -	$ -
21		2022	Jan	510,713	15,511	467,859	9,548	$ -	$ -
22		2022	Feb	425,662	14,450	435,862	8,895	$ -	$ -
23		2022	Mar	418,121	14,212	428,677	8,749	$ -	$ -
24		2022	Apr	392,454	13,845	417,616	8,523	$ -	$ -
25		2022	May	404,816	14,208	428,550	8,746	$ -	$ -
26		2022	Jun	413,013	14,783	445,892	9,100	$ -	$ -
27		2022	Jul	470,635	16,200	488,641	9,972	$ -	$ -
28		2022	Aug	491,351	16,259	490,425	10,009	$ -	$ -
29		2022	Sep	592,736	18,793	566,854	11,568	$ -	$ -
30		2022	Oct	498,443	16,151	487,169	9,942	$ -	$ -
31		2022	Nov	438,130	14,887	449,052	9,164	$ -	$ -
32		2022	Dec	465,437	14,898	449,375	9,171	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 3 - High PCIA

				Total SDG&E Charges				
				Account		Franchise	Total SDG&E Charges	
Line	Phase	Year	Month	Fees	CRS	Fees	Baseload	Opt-Up
1	I	2020	May	$ 1,443,850	$ 10,140,257	$ 1,010,835	$ 12,438,544	$ 156,397
2	I	2020	Jun	$ 6,692	$ 10,705,297	$ 1,109,587	$ 11,687,138	$ 134,437
3	I	2020	Jul	$ 7,183	$ 11,532,227	$ 1,185,279	$ 12,576,690	$ 148,000
4	I	2020	Aug	$ 6,915	$ 11,127,080	$ 1,257,625	$ 12,243,303	$ 148,317
5	I	2020	Sep	$ 7,771	$ 12,535,571	$ 1,337,608	$ 13,711,608	$ 169,342
6	I	2020	Oct	$ 6,832	$ 10,995,056	$ 1,183,479	$ 12,038,687	$ 146,680
7	II	2020	Nov	$ 1,468,267	$ 12,554,439	$ 1,285,222	$ 15,102,053	$ 205,875
8	II	2020	Dec	$ 35,742	$ 12,082,706	$ 1,260,964	$ 13,201,151	$ 178,261
9	II	2021	Jan	$ 39,194	$ 13,280,549	$ 1,266,635	$ 14,386,423	$ 199,956
10	II	2021	Feb	$ 38,546	$ 13,350,779	$ 1,251,505	$ 14,454,170	$ 186,661
11	II	2021	Mar	$ 38,522	$ 13,151,377	$ 1,216,418	$ 14,223,468	$ 182,849
12	II	2021	Apr	$ 38,599	$ 13,158,364	$ 1,246,053	$ 14,263,446	$ 179,570
13	III	2021	May	$ 1,786,604	$ 23,763,881	$ 1,851,263	$ 26,774,748	$ 627,000
14	III	2021	Jun	$ 364,631	$ 24,683,583	$ 2,086,230	$ 26,501,996	$ 632,447
15	III	2021	Jul	$ 416,196	$ 27,327,846	$ 2,229,097	$ 29,279,530	$ 693,609
16	III	2021	Aug	$ 431,200	$ 27,459,406	$ 2,196,035	$ 29,397,251	$ 689,390
17	III	2021	Sep	$ 520,313	$ 32,061,293	$ 2,642,398	$ 34,425,479	$ 798,526
18	III	2021	Oct	$ 438,846	$ 27,500,266	$ 2,250,842	$ 29,501,724	$ 688,230
19	III	2021	Nov	$ 385,460	$ 25,065,430	$ 1,959,240	$ 26,778,704	$ 631,426
20	III	2021	Dec	$ 408,809	$ 25,363,526	$ 1,882,068	$ 27,025,991	$ 628,413
21		2022	Jan	$ 456,236	$ 29,135,248	$ 2,010,904	$ 30,889,749	$ 712,638
22		2022	Feb	$ 381,577	$ 26,571,037	$ 1,837,103	$ 28,127,902	$ 661,815
23		2022	Mar	$ 374,833	$ 26,119,973	$ 1,797,417	$ 27,640,273	$ 651,949
24		2022	Apr	$ 352,261	$ 25,266,168	$ 1,854,776	$ 26,835,117	$ 638,088
25		2022	May	$ 363,293	$ 26,033,645	$ 1,872,932	$ 27,617,484	$ 652,386
26		2022	Jun	$ 370,899	$ 26,935,928	$ 1,886,872	$ 28,516,463	$ 677,236
27		2022	Jul	$ 422,086	$ 29,735,297	$ 2,130,641	$ 31,543,675	$ 744,349
28		2022	Aug	$ 440,098	$ 30,072,658	$ 2,231,461	$ 31,996,251	$ 747,966
29		2022	Sep	$ 530,195	$ 35,061,008	$ 2,537,122	$ 37,263,094	$ 865,230
30		2022	Oct	$ 446,153	$ 30,002,016	$ 2,206,182	$ 31,911,469	$ 742,883
31		2022	Nov	$ 392,766	$ 27,403,609	$ 1,978,742	$ 29,090,388	$ 684,729
32		2022	Dec	$ 416,450	$ 27,727,712	$ 1,852,344	$ 29,315,830	$ 680,677
		Total		$ 12,837,020	$ 697,903,232	$ 55,904,880	$ 750,759,799	$ 15,885,333

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 3 - High PCIA

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 17,240,464	$ 248,023	$ 11,001	$ 121	$ 3,777	$ 77	$ 212,896	$ 4,345
2	I	2020	Jun	$ 18,919,423	$ 277,576	$ 11,919	$ 126	$ 3,777	$ 77	$ 212,896	$ 4,345
3	I	2020	Jul	$ 20,206,353	$ 300,209	$ 12,791	$ 139	$ 3,777	$ 77	$ 212,896	$ 4,345
4	I	2020	Aug	$ 21,428,683	$ 329,543	$ 12,310	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
5	I	2020	Sep	$ 22,797,263	$ 344,743	$ 13,828	$ 159	$ 3,777	$ 77	$ 212,896	$ 4,345
6	I	2020	Oct	$ 20,171,971	$ 303,441	$ 12,160	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
7	II	2020	Nov	$ 21,871,441	$ 364,230	$ 66,290	$ 1,093	$ 7,554	$ 154	$ 212,896	$ 4,345
8	II	2020	Dec	$ 21,438,011	$ 377,982	$ 63,241	$ 1,095	$ 7,554	$ 154	$ 212,896	$ 4,345
9	II	2021	Jan	$ 21,527,831	$ 386,275	$ 68,029	$ 1,137	$ 7,554	$ 154	$ 379,374	$ 7,742
10	II	2021	Feb	$ 21,292,699	$ 359,636	$ 66,961	$ 1,062	$ 7,554	$ 154	$ 379,374	$ 7,742
11	II	2021	Mar	$ 20,703,974	$ 341,327	$ 66,935	$ 1,044	$ 7,554	$ 154	$ 379,374	$ 7,742
12	II	2021	Apr	$ 21,214,315	$ 343,702	$ 67,093	$ 1,022	$ 7,554	$ 154	$ 379,374	$ 7,742
13	III	2021	May	$ 31,212,276	$ 816,487	$ 606,547	$ 21,288	$ 15,108	$ 308	$ 379,374	$ 7,742
14	III	2021	Jun	$ 35,112,515	$ 981,429	$ 621,231	$ 22,235	$ 15,108	$ 308	$ 379,374	$ 7,742
15	III	2021	Jul	$ 37,513,785	$ 1,051,914	$ 710,024	$ 24,440	$ 15,108	$ 308	$ 379,374	$ 7,742
16	III	2021	Aug	$ 36,984,919	$ 1,008,767	$ 736,568	$ 24,373	$ 15,108	$ 308	$ 379,374	$ 7,742
17	III	2021	Sep	$ 44,541,193	$ 1,175,040	$ 889,983	$ 28,217	$ 15,108	$ 308	$ 379,374	$ 7,742
18	III	2021	Oct	$ 37,923,236	$ 1,018,675	$ 750,127	$ 24,306	$ 15,108	$ 308	$ 379,374	$ 7,742
19	III	2021	Nov	$ 32,986,356	$ 910,531	$ 657,870	$ 22,354	$ 15,108	$ 308	$ 379,374	$ 7,742
20	III	2021	Dec	$ 31,713,143	$ 848,594	$ 699,052	$ 22,376	$ 15,108	$ 308	$ 379,374	$ 7,742
21		2022	Jan	$ 33,858,228	$ 932,493	$ 766,069	$ 23,266	$ 15,430	$ 315	$ 465,643	$ 9,503
22		2022	Feb	$ 30,951,162	$ 832,632	$ 638,493	$ 21,675	$ 15,430	$ 315	$ 465,643	$ 9,503
23		2022	Mar	$ 30,260,218	$ 836,965	$ 627,182	$ 21,318	$ 15,430	$ 315	$ 465,643	$ 9,503
24		2022	Apr	$ 31,222,944	$ 866,606	$ 588,680	$ 20,768	$ 15,430	$ 315	$ 465,643	$ 9,503
25		2022	May	$ 31,556,068	$ 847,594	$ 607,224	$ 21,312	$ 15,430	$ 315	$ 465,643	$ 9,503
26		2022	Jun	$ 31,789,764	$ 855,083	$ 619,520	$ 22,174	$ 15,430	$ 315	$ 465,643	$ 9,503
27		2022	Jul	$ 35,887,444	$ 974,854	$ 705,952	$ 24,300	$ 15,430	$ 315	$ 465,643	$ 9,503
28		2022	Aug	$ 37,612,596	$ 993,988	$ 737,026	$ 24,389	$ 15,430	$ 315	$ 465,643	$ 9,503
29		2022	Sep	$ 42,733,843	$ 1,160,994	$ 889,103	$ 28,189	$ 15,430	$ 315	$ 465,643	$ 9,503
30		2022	Oct	$ 37,183,893	$ 985,346	$ 747,665	$ 24,227	$ 15,430	$ 315	$ 465,643	$ 9,503
31		2022	Nov	$ 33,326,541	$ 907,742	$ 657,195	$ 22,331	$ 15,430	$ 315	$ 465,643	$ 9,503
32		2022	Dec	$ 31,217,710	$ 829,773	$ 698,155	$ 22,347	$ 15,430	$ 315	$ 465,643	$ 9,503
		Total		$ 944,400,263	$ 22,812,194	$ 14,426,223	$ 473,160	$ 374,014	$ 7,633	$ 11,843,379	$ 241,702

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 3 - High PCIA

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 30,494,682	$ 420,962	$ 1,325,422	$ 17,294	$ 31,820,104	$ 438,256	$ 32,258,360
2	I	2020	Jun	$ 30,835,154	$ 416,562	$ 1,191,573	$ 13,899	$ 32,026,727	$ 430,460	$ 32,457,187
3	I	2020	Jul	$ 33,012,506	$ 452,771	$ 1,280,615	$ 15,256	$ 34,293,121	$ 468,027	$ 34,761,148
4	I	2020	Aug	$ 33,900,969	$ 482,421	$ 1,247,229	$ 15,288	$ 35,148,198	$ 497,708	$ 35,645,906
5	I	2020	Sep	$ 36,739,372	$ 518,666	$ 1,394,211	$ 17,392	$ 38,133,583	$ 536,058	$ 38,669,641
6	I	2020	Oct	$ 32,439,491	$ 454,680	$ 1,226,752	$ 15,124	$ 33,666,243	$ 469,804	$ 34,136,047
7	II	2020	Nov	$ 37,554,235	$ 581,697	$ 1,568,279	$ 21,747	$ 39,122,514	$ 603,444	$ 39,725,958
8	II	2020	Dec	$ 34,922,853	$ 561,837	$ 1,348,484	$ 18,385	$ 36,271,338	$ 580,223	$ 36,851,560
9	II	2021	Jan	$ 36,369,212	$ 595,264	$ 1,484,138	$ 20,899	$ 37,853,350	$ 616,163	$ 38,469,513
10	II	2021	Feb	$ 36,200,758	$ 555,255	$ 1,490,806	$ 19,562	$ 37,691,564	$ 574,817	$ 38,266,382
11	II	2021	Mar	$ 35,381,306	$ 533,117	$ 1,467,733	$ 19,179	$ 36,849,039	$ 552,296	$ 37,401,335
12	II	2021	Apr	$ 35,931,783	$ 532,191	$ 1,471,747	$ 18,849	$ 37,403,530	$ 551,040	$ 37,954,570
13	III	2021	May	$ 59,282,053	$ 1,478,826	$ 2,806,978	$ 66,234	$ 62,089,030	$ 1,545,060	$ 63,634,090
14	III	2021	Jun	$ 62,630,225	$ 1,644,162	$ 2,751,771	$ 66,273	$ 65,381,996	$ 1,710,435	$ 67,092,431
15	III	2021	Jul	$ 67,897,822	$ 1,778,014	$ 3,038,404	$ 72,610	$ 70,936,225	$ 1,850,624	$ 72,786,849
16	III	2021	Aug	$ 67,513,221	$ 1,730,581	$ 3,052,830	$ 72,181	$ 70,566,051	$ 1,802,762	$ 72,368,813
17	III	2021	Sep	$ 80,251,137	$ 2,009,834	$ 3,570,994	$ 83,479	$ 83,822,132	$ 2,093,313	$ 85,915,445
18	III	2021	Oct	$ 68,569,570	$ 1,739,262	$ 3,064,633	$ 72,059	$ 71,634,203	$ 1,811,321	$ 73,445,524
19	III	2021	Nov	$ 60,817,412	$ 1,572,361	$ 2,783,106	$ 66,183	$ 63,600,517	$ 1,638,544	$ 65,239,062
20	III	2021	Dec	$ 59,832,668	$ 1,507,434	$ 2,811,953	$ 65,884	$ 62,644,620	$ 1,573,317	$ 64,217,938
21		2022	Jan	$ 65,995,119	$ 1,678,215	$ 3,213,689	$ 74,572	$ 69,208,808	$ 1,752,788	$ 70,961,596
22		2022	Feb	$ 60,198,631	$ 1,525,940	$ 2,924,747	$ 69,331	$ 63,123,377	$ 1,595,271	$ 64,718,648
23		2022	Mar	$ 59,008,747	$ 1,520,051	$ 2,874,853	$ 68,309	$ 61,883,600	$ 1,588,359	$ 63,471,959
24		2022	Apr	$ 59,127,815	$ 1,535,280	$ 2,790,487	$ 66,867	$ 61,918,302	$ 1,602,148	$ 63,520,450
25		2022	May	$ 60,261,849	$ 1,531,109	$ 2,870,578	$ 68,352	$ 63,132,427	$ 1,599,461	$ 64,731,888
26		2022	Jun	$ 61,406,820	$ 1,564,311	$ 2,961,706	$ 70,923	$ 64,368,526	$ 1,635,234	$ 66,003,759
27		2022	Jul	$ 68,618,144	$ 1,753,320	$ 3,273,070	$ 77,847	$ 71,891,213	$ 1,831,167	$ 73,722,380
28		2022	Aug	$ 70,826,947	$ 1,776,160	$ 3,321,435	$ 78,217	$ 74,148,382	$ 1,854,377	$ 76,002,759
29		2022	Sep	$ 81,367,113	$ 2,064,232	$ 3,863,327	$ 90,324	$ 85,230,440	$ 2,154,555	$ 87,384,995
30		2022	Oct	$ 70,324,100	$ 1,762,273	$ 3,314,021	$ 77,693	$ 73,638,120	$ 1,839,966	$ 75,478,086
31		2022	Nov	$ 63,555,198	$ 1,624,620	$ 3,022,866	$ 71,688	$ 66,578,063	$ 1,696,308	$ 68,274,371
32		2022	Dec	$ 61,712,768	$ 1,542,615	$ 3,049,506	$ 71,284	$ 64,762,273	$ 1,613,899	$ 66,376,172
		Total		$ 1,722,979,677	$ 39,444,021	$ 77,857,941	$ 1,663,183	$ 1,800,837,619	$ 41,107,204	$ 1,841,944,823

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 3 - High PCIA

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 389,043,632	$ -	$ 356,785,272	$ 356,785,272
2	I	2020	Jun	$ -	$ -	$ (32,457,187)	324,328,085
3	I	2020	Jul	$ -	$ 32,107,988	$ (2,653,160)	321,674,925
4	I	2020	Aug	$ -	$ 32,107,988	$ (3,537,917)	318,137,008
5	I	2020	Sep	$ -	$ 32,107,988	$ (6,561,653)	311,575,355
6	I	2020	Oct	$ -	$ 32,107,988	$ (2,028,059)	309,547,296
7	II	2020	Nov	$ -	$ 32,107,988	$ (7,617,969)	301,929,327
8	II	2020	Dec	$ -	$ 32,107,988	$ (4,743,572)	297,185,755
9	II	2021	Jan	$ -	$ 32,107,988	$ (6,361,525)	290,824,230
10	II	2021	Feb	$ -	$ 32,107,988	$ (6,158,393)	284,665,837
11	II	2021	Mar	$ -	$ 65,300,442	$ 27,899,107	312,564,944
12	II	2021	Apr	$ -	$ 65,300,442	$ 27,345,873	339,910,817
13	III	2021	May	$ -	$ 65,300,442	$ 1,666,352	341,577,169
14	III	2021	Jun	$ -	$ 65,300,442	$ (1,791,989)	339,785,181
15	III	2021	Jul	$ -	$ 65,300,442	$ (7,486,407)	332,298,774
16	III	2021	Aug	$ -	$ 65,300,442	$ (7,068,371)	325,230,403
17	III	2021	Sep	$ -	$ 65,300,442	$ (20,615,002)	304,615,401
18	III	2021	Oct	$ -	$ 65,300,442	$ (8,145,081)	296,470,319
19	III	2021	Nov	$ -	$ 65,300,442	$ 61,381	296,531,700
20	III	2021	Dec	$ -	$ 65,300,442	$ 1,082,505	297,614,205
21		2022	Jan	$ -	$ 65,300,442	$ (5,661,154)	291,953,051
22		2022	Feb	$ -	$ 65,300,442	$ 581,794	292,534,845
23		2022	Mar	$ -	$ 78,026,001	$ 14,554,042	307,088,887
24		2022	Apr	$ -	$ 78,026,001	$ 14,505,552	321,594,439
25		2022	May	$ -	$ 78,026,001	$ 13,294,113	334,888,552
26		2022	Jun	$ -	$ 78,026,001	$ 12,022,242	346,910,794
27		2022	Jul	$ -	$ 78,026,001	$ 4,303,621	351,214,415
28		2022	Aug	$ -	$ 78,026,001	$ 2,023,242	353,237,657
29		2022	Sep	$ -	$ 78,026,001	$ (9,358,994)	343,878,663
30		2022	Oct	$ -	$ 78,026,001	$ 2,547,915	346,426,578
31		2022	Nov	$ -	$ 78,026,001	$ 9,751,630	356,178,209
32		2022	Dec	$ -	$ 78,026,001	$ 11,649,829	367,828,038
		Total		$ 389,043,632	$ 1,820,729,229	$ 367,828,038	$ 10,316,986,131

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

310,882,529	Operating Costs, Average 5 Months for First Two Full Years
78,161,103	Average Annual Rate Stabilization Funding for First Two Full Years
389,043,632	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										389,043,632	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 389,043,632	$ 14,062,038	$ 28,130,158	$ 37,498,768	$ 468,734,595	$ 18,749,384	$ 18,749,384	$ 28,130,158	$ 28,130,158
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 18,749,384**	**$ 18,749,384**	**$ 28,130,158**	**$ 28,130,158**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 28,130,158	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158	$ 28,130,158
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 28,130,158	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**	**$ 28,130,158**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Sensitivity 3 - High PCIA

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,699	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,998	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	102,008	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,666	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	137,737																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 3 - High PCIA**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 3 - High PCIA**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

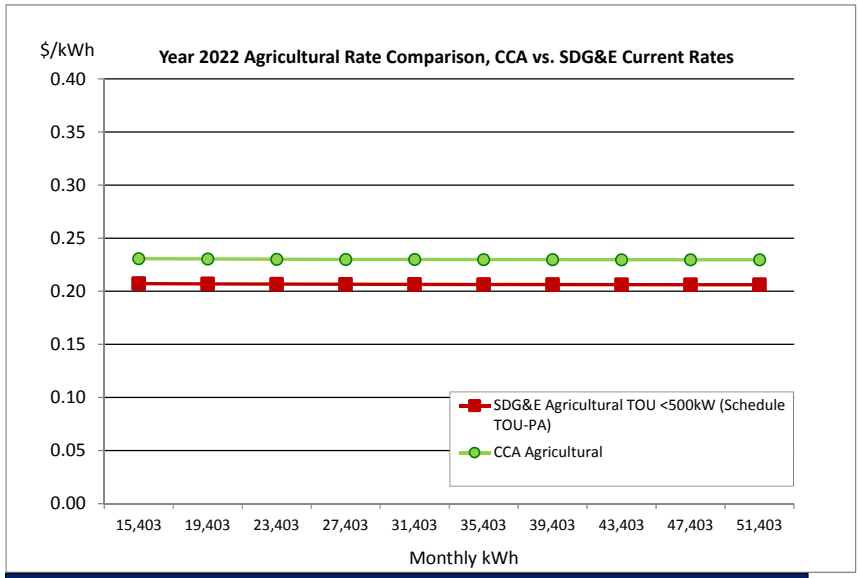
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Sensitivity 3 - High PCIA

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.89	-	-	-	-	(4.26)	(261.89)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.2763	2,050.87	0.0891	0.2000	0.2891	2,146.24	0.0128	95.37
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.2370	2,261.58	0.0891	0.2000	0.2891	2,759.46	0.0522	497.88
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.1951	3,611.21	0.0891	0.2000	0.2891	5,351.67	0.0940	1,740.46
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	447.02	0.0891	0.0624	0.1515	366.07	(0.0335)	(80.95)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.1722	1,802.19	0.0891	0.0624	0.1515	1,586.29	(0.0206)	(215.90)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.1543	2,228.46	0.0891	0.0624	0.1515	2,188.78	(0.0027)	(39.68)
Average Monthly Bill ($)						6,708.97				7,618.87		909.90
											Percentage Change	**13.6%**

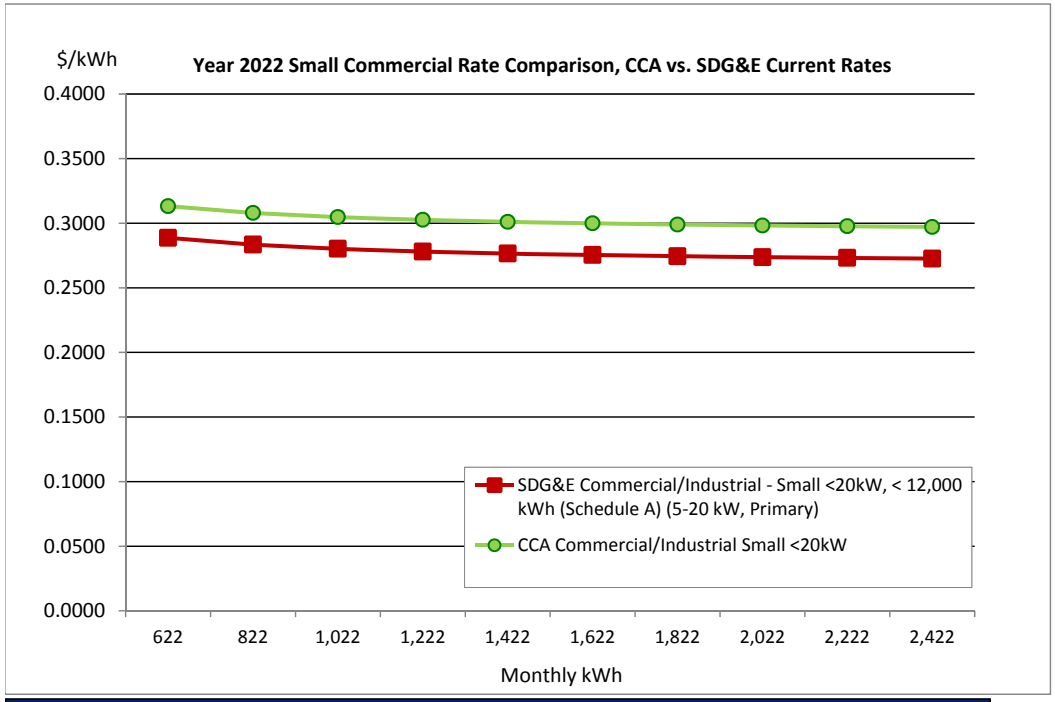


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.2200	0.3558	525.26	0.0511	75.48
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0865	0.2223	304.02	(0.0042)	(5.74)
Average Monthly Bill ($)						395.89				432.31		36.42
											Percentage Change	**9.2%**

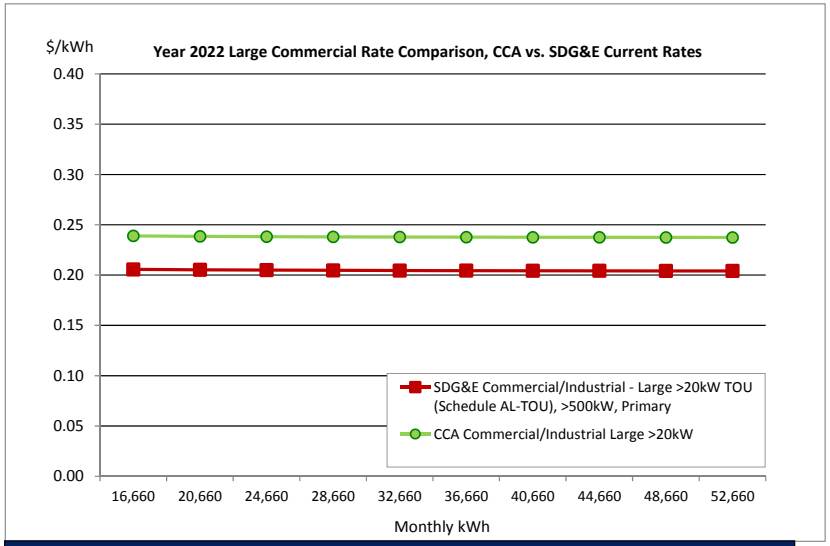


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.85	11.50	-	11.50	735.11	(12.54)	(801.74)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,107.01	0.0034	0.2200	0.2234	1,605.61	0.0694	498.60
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.26	0.0034	0.2200	0.2234	2,064.36	0.0812	750.10
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.30	0.0034	0.2200	0.2234	4,003.60	0.1187	2,127.31
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0923	0.0957	261.97	(0.0439)	(120.14)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.55	0.0034	0.0923	0.0957	1,135.22	(0.0250)	(296.33)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.08	0.0034	0.0923	0.0957	1,566.39	0.0011	17.31
Average Monthly Bill ($)						6,706.05				7,891.28		1,185.23
											Percentage Change	**17.7%**

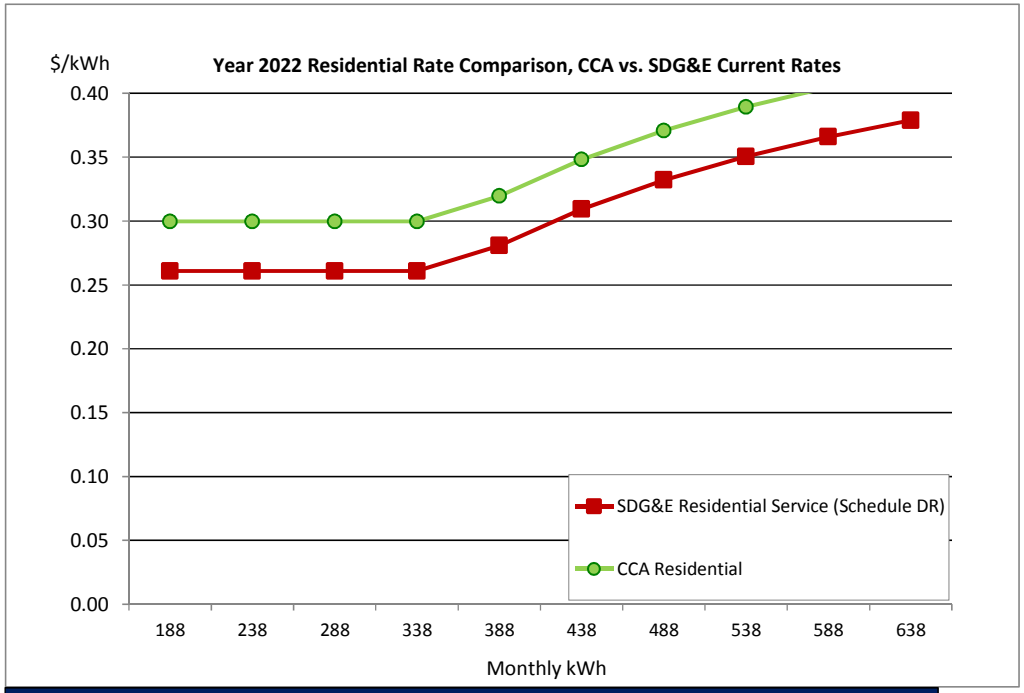


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2700	0.3465	124.33	0.0736	26.40
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.87	0.3570	0.2700	0.6270	28.18	0.0736	3.31
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.1049	0.2489	89.81	0.0011	0.40
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.1049	0.5081	6.18	0.0011	0.01
Average Monthly Bill ($)						109.73				125.37		15.64
											Percentage Change	**14.3%**

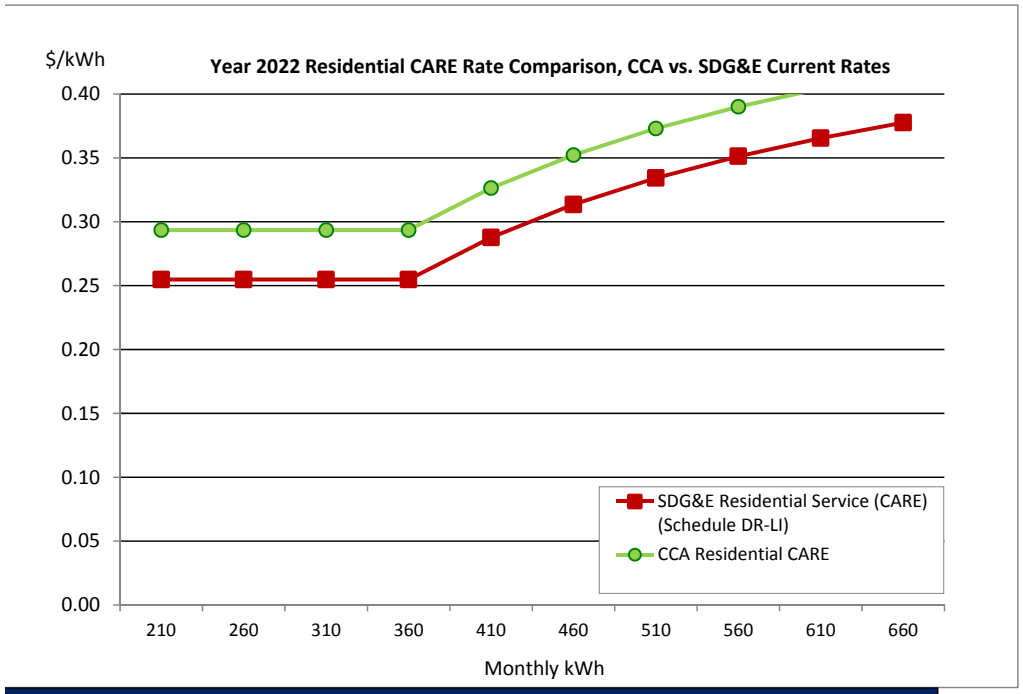


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2600	0.3359	120.53	0.0691	24.78
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.72	0.3564	0.2600	0.6164	41.36	0.0691	4.63
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.1043	0.2477	89.38	0.0060	2.17
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.34	0.4026	0.1043	0.5069	16.54	0.0060	0.20
Average Monthly Bill ($)						118.59				135.01		16.43
											Percentage Change	**13.9%**

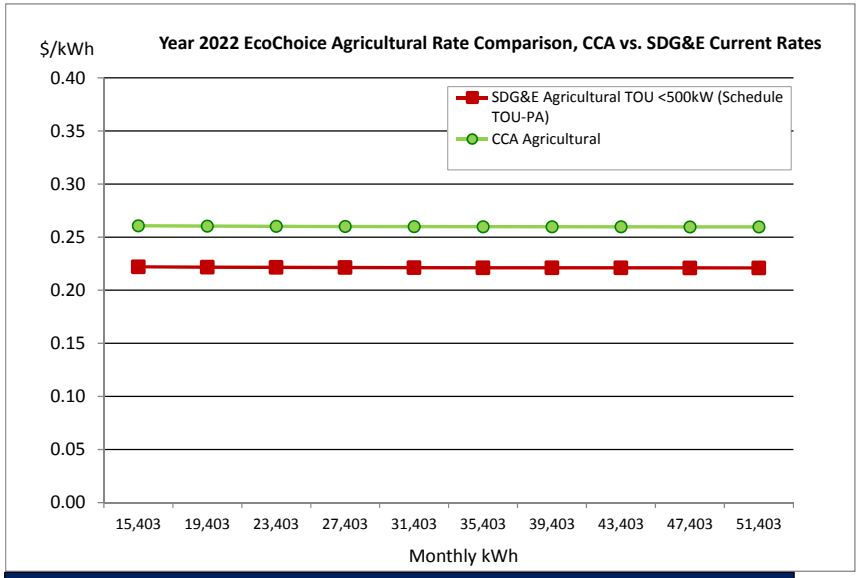


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.58	-	-	-	-	(4.0288)	(247.58)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.22	0.0891	0.2300	0.3191	2,368.94	0.0276	204.72
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.32	0.0891	0.2300	0.3191	3,045.78	0.0669	638.46
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.86	0.0891	0.2300	0.3191	5,906.96	0.1088	2,013.11
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.91	0.0891	0.0924	0.1815	438.54	(0.0188)	(45.36)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,962.05	0.0891	0.0924	0.1815	1,900.35	(0.0059)	(61.70)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,449.03	0.0891	0.0924	0.1815	2,622.12	0.0120	173.09
Average Monthly Bill ($)							7,182.25				8,576.81		1,394.56
												Percentage Change	**19.4%**

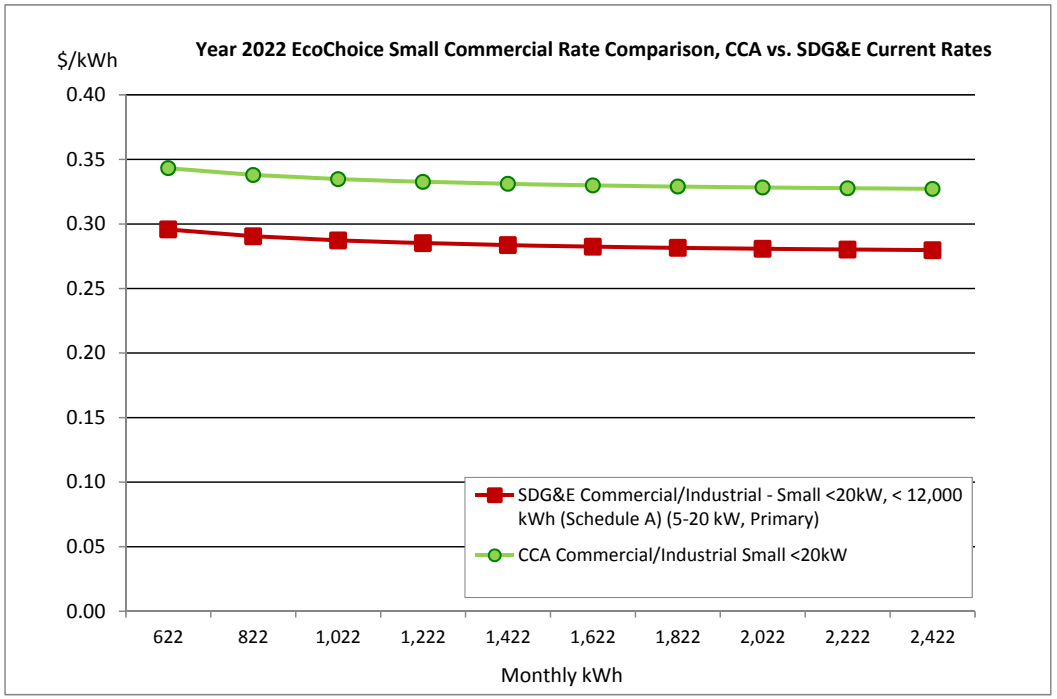


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	0.2500	0.3858	569.55	0.0741	109.35
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	0.1165	0.2523	345.05	0.0187	25.64
Average Monthly Bill ($)							405.94				475.03		69.09
												Percentage Change	**17.0%**

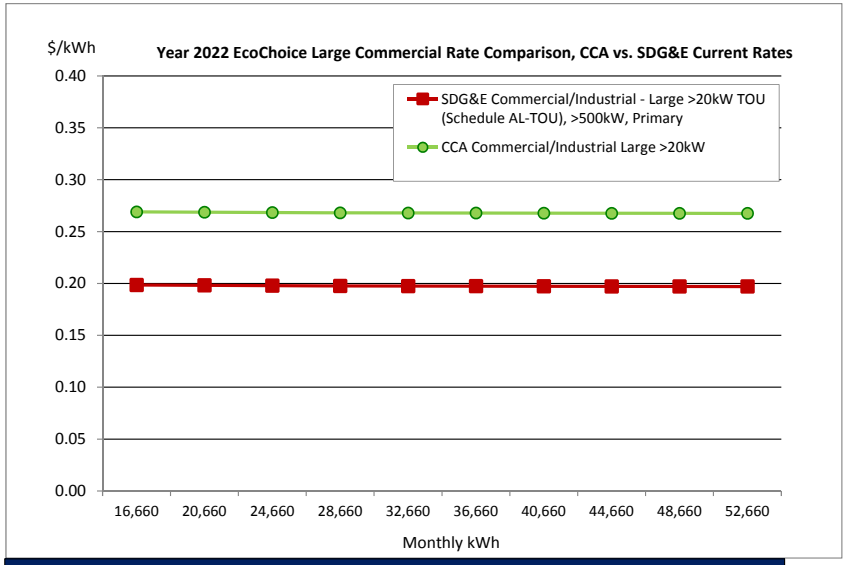


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.19	11.50	-	11.50	735.11	(13.27)	(848.08)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.37	0.0034	0.2500	0.2534	1,821.23	0.1073	770.87
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.44	0.0034	0.2500	0.2534	2,341.59	0.1191	1,100.14
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.07	0.0034	0.2500	0.2534	4,541.26	0.1566	2,806.19
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	0.1223	0.1257	344.11	(0.0060)	(16.44)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.07	0.0034	0.1223	0.1257	1,491.12	0.0129	153.06
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.09	0.0034	0.1223	0.1257	2,057.46	0.0389	637.37
Average Monthly Bill ($)							6,471.17				8,873.71		2,402.54
												Percentage Change	**37.1%**

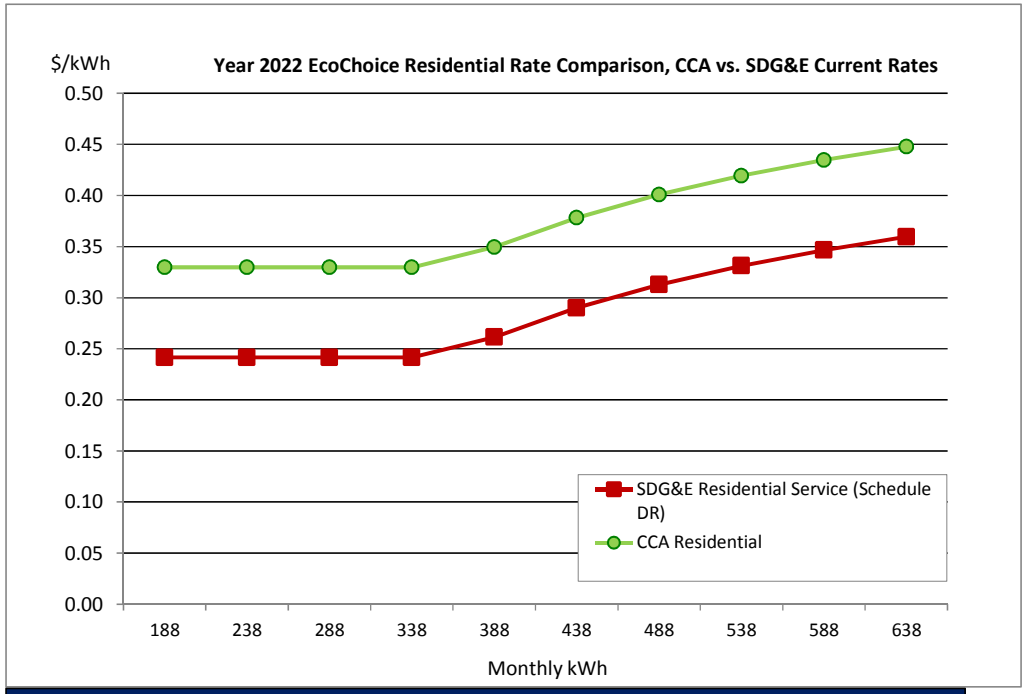


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	0.3000	0.3765	135.10	0.1229	44.10
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	0.3000	0.6570	29.53	0.1229	5.52
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	0.1349	0.2789	100.63	0.0504	18.20
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	0.1349	0.5381	6.55	0.0504	0.61
Average Monthly Bill ($)							102.22				137.04		34.83
												Percentage Change	**34.1%**

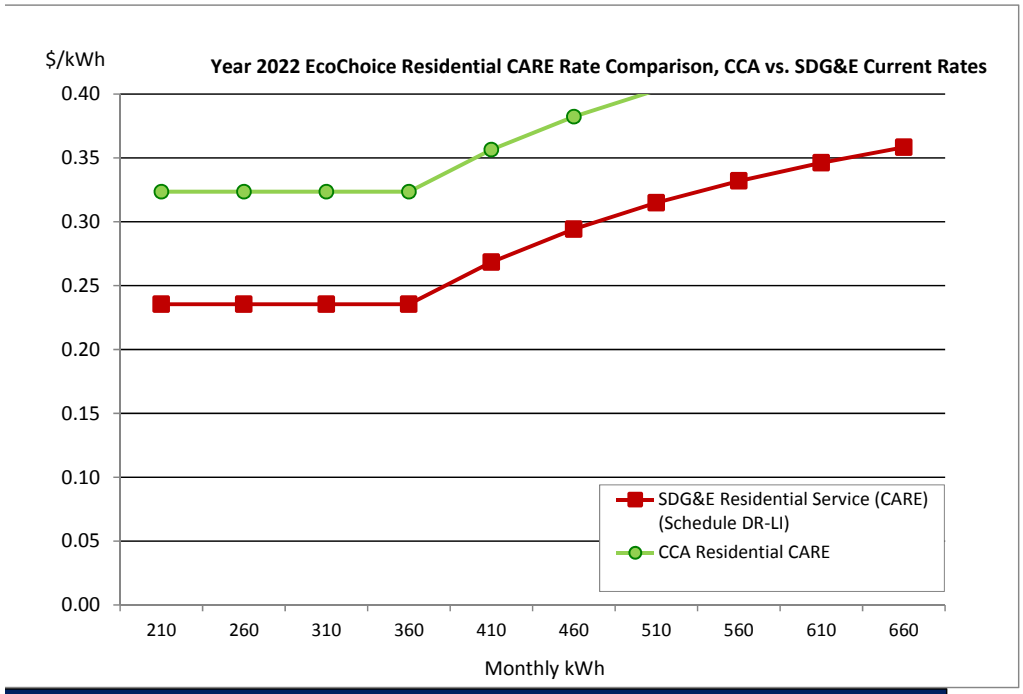


Sensitivity 3 - High PCIA

Scenario: Sensitivity 3 - High PCIA

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	0.2900	0.3659	131.30	0.1184	42.48
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	0.2900	0.6464	43.37	0.1184	7.94
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	0.1343	0.2777	100.20	0.0553	19.96
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.71	0.4026	0.1343	0.5369	17.52	0.0553	1.81
Average Monthly Bill ($)							110.66				147.32		36.66
												Percentage Change	**33.1%**



Sensitivity 3 - High PCIA

SENSITIVITY 4

LOW POWER CHARGE INDIFFERENCE ADJUSTMENT

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	7,859,831
4	Total Non-Operating Expenses		23,448,487
5	Power Costs		642,281,172
6	Contingency/Rate Stabilization Fund		68,997,960
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**742,587,449**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	160,405
10	Total Non-Operating Expenses		478,541
11	Power Costs		16,318,271
12	Contingency/Rate Stabilization Fund		1,408,122
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**18,365,338**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**760,952,787**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	148	55,698	31,403
3	Outdoor Lighting Small <20kW	330	23,848	6,028
4	Commercial/Industrial Small <20kW	38,255	652,769	1,422
5	Commercial/Industrial Large >20kW	7,329	2,872,328	32,660
6	Residential	324,855	1,513,904	388
7	Residential CARE	88,021	432,703	410
8	Residential Outdoor Lighting	938	1,734	154
9	**TOTAL BASELOAD**	**459,875**	**5,552,985**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	664	11,333	1,422
14	Commercial/Industrial Large >20kW	87	33,998	32,660
15	Residential	14,591	67,996	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**15,341**	**113,326**	**34,471**
19	**TOTAL CCA**	**475,216**	**5,666,311**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Sensitivity 4 - Low PCIA**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1600	0.0608	0.1900	0.0908
2	Outdoor Lighting Small <20kW	0.1400	0.0622	0.1700	0.0922
3	Commercial/Industrial Small <20kW	0.1800	0.0712	0.2100	0.1012
4	Commercial/Industrial Large >20kW	0.1800	0.0730	0.2100	0.1030
5	Residential	0.2000	0.0844	0.2300	0.1144
6	Residential CARE	0.1900	0.0838	0.2200	0.1138
7	Residential Outdoor Lighting	0.1400	0.0568	0.1700	0.0868

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Sensitivity 4 - Low PCIA with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	40,253	55,828	55,730	55,666	55,697
2	Outdoor Lighting Small <20kW	15,231	23,902	23,861	23,824	23,860
3	Commercial/Industrial Small <20kW	101,195	654,172	653,106	652,280	652,921
4	Commercial/Industrial Large >20kW	1,983,116	2,878,573	2,873,865	2,870,269	2,872,852
5	Residential	-	1,038,519	1,514,735	1,512,828	1,514,149
6	Residential CARE	-	296,840	432,941	432,396	432,774
7	Residential Outdoor Lighting	-	1,171	1,735	1,732	1,734
8	Total	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988
	Sensitivity 4 - Low PCIA with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,835	11,357	11,339	11,324	11,335
12	Commercial/Industrial Large >20kW	23,383	34,071	34,016	33,973	34,004
13	Residential	-	46,683	68,032	67,947	68,008
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	25,218	92,111	113,387	113,245	113,347
17	**Total MWh**	**2,165,013**	**5,041,116**	**5,669,360**	**5,662,239**	**5,667,334**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 4,702,983	$ 6,522,689	$ 6,511,243	$ 6,503,687	$ 6,507,383
20	Outdoor Lighting Small <20kW	1,490,382	2,338,916	2,334,865	2,331,235	2,334,728
21	Commercial/Industrial Small <20kW	12,920,317	83,523,316	83,387,291	83,281,772	83,363,689
22	Commercial/Industrial Large >20kW	256,354,240	372,108,543	371,499,876	371,035,007	371,368,976
23	Residential	-	150,056,000	218,864,553	218,589,049	218,779,906
24	Residential CARE	-	41,261,934	60,180,528	60,104,780	60,157,329
25	Residential Outdoor Lighting	-	114,553	169,757	169,529	169,733
26	Total	275,467,923	655,925,952	742,948,112	742,015,059	742,681,744
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	200,018	1,238,032	1,236,043	1,234,491	1,235,602
30	Commercial/Industrial Large >20kW	2,582,285	3,762,561	3,756,516	3,751,798	3,755,174
31	Residential	-	5,581,254	8,133,734	8,123,518	8,130,829
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 2,782,303	$ 10,581,847	$ 13,126,294	$ 13,109,807	$ 13,121,604
35	**TOTAL RATE REVENUE**	**$ 278,250,225**	**$ 666,507,799**	**$ 756,074,405**	**$ 755,124,866**	**$ 755,803,349**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 208,687,669**	**$ 624,985,722**	**$ 741,146,638**	**$ 755,283,123**	**$ 755,690,268**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Anal
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Sensitivity 4 - Low PCIA with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	55,428	55,399	55,357	55,425	55,251	55,252
2	Outdoor Lighting Small <20kW	23,732	23,719	23,701	23,748	23,654	23,656
3	Commercial/Industrial Small <20kW	649,552	649,173	648,652	649,767	647,505	647,538
4	Commercial/Industrial Large >20kW	2,858,217	2,856,612	2,854,405	2,859,043	2,849,272	2,849,404
5	Residential	1,506,610	1,505,718	1,504,541	1,506,940	1,501,926	1,502,074
6	Residential CARE	430,618	430,363	430,027	430,713	429,278	429,320
7	Residential Outdoor Lighting	1,725	1,724	1,723	1,726	1,720	1,720
8	Total	5,525,881	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964
	Sensitivity 4 - Low PCIA with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,277	11,271	11,262	11,280	11,242	11,243
12	Commercial/Industrial Large >20kW	33,832	33,812	33,786	33,841	33,726	33,728
13	Residential	67,664	67,625	67,572	67,682	67,452	67,457
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	112,773	112,708	112,621	112,803	112,421	112,428
17	**Total MWh**	**5,638,654**	**5,635,416**	**5,631,026**	**5,640,165**	**5,621,027**	**5,621,392**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,475,920	$ 6,472,518	$ 6,467,635	$ 6,475,587	$ 6,455,252	$ 6,455,391
20	Outdoor Lighting Small <20kW	2,322,251	2,320,929	2,319,238	2,323,833	2,314,651	2,314,771
21	Commercial/Industrial Small <20kW	82,933,440	82,885,134	82,818,583	82,960,945	82,672,151	82,676,395
22	Commercial/Industrial Large >20kW	369,477,059	369,269,588	368,984,284	369,583,885	368,320,832	368,337,836
23	Residential	217,690,650	217,561,756	217,391,669	217,738,227	217,013,762	217,035,210
24	Residential CARE	59,857,608	59,822,212	59,775,451	59,870,817	59,671,443	59,677,254
25	Residential Outdoor Lighting	168,828	168,730	168,604	168,929	168,293	168,301
26	Total	738,925,755	738,500,867	737,925,465	739,122,223	736,616,383	736,665,157
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,229,349	1,228,643	1,227,686	1,229,678	1,225,506	1,225,585
30	Commercial/Industrial Large >20kW	3,736,171	3,734,025	3,731,116	3,737,172	3,724,491	3,724,733
31	Residential	8,089,682	8,085,036	8,078,738	8,091,849	8,064,392	8,064,916
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 13,055,202	$ 13,047,704	$ 13,037,540	$ 13,058,700	$ 13,014,389	$ 13,015,234
35	**TOTAL RATE REVENUE**	**$ 751,980,957**	**$ 751,548,571**	**$ 750,963,005**	**$ 752,180,922**	**$ 749,630,772**	**$ 749,680,391**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 752,618,022**	**$ 751,620,636**	**$ 751,060,599**	**$ 751,977,936**	**$ 750,055,797**	**$ 749,672,121**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Sensitivity 4 - Low PCIA with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	55,232	55,410	55,359	55,412	55,436
2	Outdoor Lighting Small <20kW	23,649	23,747	23,706	23,726	23,736
3	Commercial/Industrial Small <20kW	647,322	649,575	648,801	649,416	649,701
4	Commercial/Industrial Large >20kW	2,848,486	2,858,225	2,855,015	2,857,732	2,858,893
5	Residential	1,501,643	1,506,552	1,505,110	1,506,527	1,506,988
6	Residential CARE	429,196	430,601	430,187	430,592	430,725
7	Residential Outdoor Lighting	1,719	1,726	1,723	1,725	1,726
8	Total	5,507,247	5,525,835	5,519,902	5,525,130	5,527,204
	Sensitivity 4 - Low PCIA with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,239	11,277	11,265	11,276	11,280
12	Commercial/Industrial Large >20kW	33,718	33,832	33,795	33,827	33,840
13	Residential	67,436	67,663	67,591	67,655	67,680
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	112,393	112,772	112,651	112,758	112,800
17	**Total MWh**	**5,619,640**	**5,638,607**	**5,632,553**	**5,637,888**	**5,640,004**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,453,049	$ 6,473,809	$ 6,467,848	$ 6,474,070	$ 6,476,799
20	Outdoor Lighting Small <20kW	2,314,074	2,323,670	2,319,682	2,321,606	2,322,590
21	Commercial/Industrial Small <20kW	82,648,789	82,936,368	82,837,617	82,916,180	82,952,478
22	Commercial/Industrial Large >20kW	368,219,152	369,478,158	369,063,206	369,414,459	369,564,498
23	Residential	216,972,924	217,682,162	217,473,900	217,678,591	217,745,202
24	Residential CARE	59,660,064	59,855,353	59,797,786	59,854,085	59,872,579
25	Residential Outdoor Lighting	168,248	168,885	168,637	168,792	168,868
26	Total	736,436,300	738,918,406	738,128,677	738,827,783	739,103,012
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,225,203	1,229,338	1,228,018	1,229,182	1,229,643
30	Commercial/Industrial Large >20kW	3,723,572	3,736,140	3,732,128	3,735,663	3,737,065
31	Residential	8,062,402	8,089,614	8,080,928	8,088,583	8,091,618
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 13,011,178	$ 13,055,092	$ 13,041,074	$ 13,053,427	$ 13,058,326
35	**TOTAL RATE REVENUE**	**$ 749,447,478**	**$ 751,973,498**	**$ 751,169,751**	**$ 751,881,211**	**$ 752,161,338**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 749,486,296**	**$ 751,552,494**	**$ 751,303,709**	**$ 751,762,634**	**$ 752,114,650**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 208,687,669	$ 624,985,722	$ 741,146,638	$ 755,283,123	$ 755,690,268	$ 752,618,022	$ 751,620,636	$ 751,060,599
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 208,687,669	$ 624,985,722	$ 741,146,638	$ 755,283,123	$ 755,690,268	$ 752,618,022	$ 751,620,636	$ 751,060,599
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		166,619,357	381,968,618	418,624,481	420,513,945	413,324,294	410,662,128	401,150,788	399,893,907
7	SDG&E Service Charges		2,983,252	4,906,921	4,946,847	5,039,429	5,144,765	5,221,424	5,322,710	5,424,913
8	SDG&E CRS Charges		68,349,676	177,206,535	203,060,578	204,066,382	204,295,300	197,514,020	192,536,954	188,794,084
9	SDG&E Power Franchise Charges		9,630,599	22,077,786	24,196,495	24,305,706	23,890,144	23,736,271	23,186,516	23,113,868
10	ESP Charges		206,548	5,940,420	8,558,559	8,547,780	8,555,341	8,512,569	8,507,546	8,500,884
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		97,477	541,929	729,317	735,669	743,543	749,746	758,659	767,668
15	Uncollectable Accounts		392,333	1,174,973	1,393,356	1,419,932	1,420,698	1,414,922	1,413,047	1,411,994
16	**Total Operating Expenses**		$ 250,858,233	$ 598,374,818	$ 667,232,720	$ 670,499,976	$ 663,398,057	$ 653,993,304	$ 639,221,864	$ 634,421,184
17	Contingency/Rate Stabilization Fund		26,563,182	63,224,270	70,435,076	70,778,555	70,004,614	69,040,535	67,479,057	66,987,844
18	**Total Operating Expenses & Contin/Rate Stab**		$ 277,421,415	$ 661,599,088	$ 737,667,796	$ 741,278,530	$ 733,402,671	$ 723,033,838	$ 706,700,921	$ 701,409,029
19	**Net Operating Revenues**		$ (68,733,746)	$ (36,613,366)	$ 3,478,842	$ 14,004,593	$ 22,287,597	$ 29,584,184	$ 44,919,715	$ 49,651,570
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		1,942,219	2,769,606	2,432,505	2,305,278	2,270,371	2,313,013	2,469,693	2,728,155
22	Total Non-Operating Revenues (Expenses)		$ 1,642,219	$ 2,769,606	$ 2,432,505	$ 2,305,278	$ 2,180,155	$ 2,313,013	$ 2,469,693	$ 2,703,890
23	**Net Operating Income**		$ (67,091,527)	$ (33,843,761)	$ 5,911,347	$ 16,309,870	$ 24,467,752	$ 31,897,197	$ 47,389,408	$ 52,355,461
	Debt Service	[3]								
24	Borrowing 1		$ 15,927,859	$ 15,927,859	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 15,927,859	$ 15,927,859	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
29	**Debt Service Coverage (Target=1.25)**		(4.21)	(2.12)	0.25	0.68	1.02	1.33	1.98	2.19
	Margin (Loss) Before Capital Contributions and Transfers		$ (83,019,386)	$ (49,771,620)	$ (17,985,608)	$ (7,587,085)	$ 570,797	$ 8,000,241	$ 23,492,452	$ 28,458,505
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (83,019,386)	$ (49,771,620)	$ (17,985,608)	$ (7,587,085)	$ 570,797	$ 8,000,241	$ 23,492,452	$ 28,458,505

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 263,406,383	$ 229,562,622	$ 211,577,014	$ 203,989,929	$ 204,560,726	$ 212,560,967	$ 236,053,420
35	Deposit/(Withdrawal) from Operations	$ (83,019,386)	$ (49,771,620)	$ (17,985,608)	$ (7,587,085)	$ 570,797	$ 8,000,241	$ 23,492,452	$ 28,458,505
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 386,250,584	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (23,896,955)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (31,855,718)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	15,927,859	15,927,859	-	-	-	-	-	-
41	Ending Year Balance	$ 263,406,383	$ 229,562,622	$ 211,577,014	$ 203,989,929	$ 204,560,726	$ 212,560,967	$ 236,053,420	$ 264,511,925
42	Targeted Working Capital Balance	$ 97,082,245	$ 234,043,738	$ 262,142,817	$ 263,452,097	$ 261,098,812	$ 256,886,312	$ 251,121,844	$ 248,955,257
43	Surplus/(Deficiency)	$ 166,324,138	$ (4,481,116)	$ (50,565,803)	$ (59,462,168)	$ (56,538,086)	$ (44,325,345)	$ (15,068,424)	$ 15,556,668
44	Ratio of Surplus/(Deficiency) to Revenues	80%	-1%	-7%	-8%	-7%	-6%	-2%	2%
45	% Surplus/(Deficiency) to Target	171%	-2%	-19%	-23%	-22%	-17%	-6%	6%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 263,406,383	$ 229,562,622	$ 211,577,014	$ 203,989,929	$ 204,560,726	$ 212,560,967	$ 236,053,420
47	Total Operating Revenues	208,687,669	624,985,722	741,146,638	755,283,123	755,690,268	752,618,022	751,620,636	751,060,599
48	Total Operating Expenses	(250,858,233)	(598,374,818)	(667,232,720)	(670,499,976)	(663,398,057)	(653,993,304)	(639,221,864)	(634,421,184)
49	Contingency/Rate Stabilization Fund	(26,563,182)	(63,224,270)	(70,435,076)	(70,778,555)	(70,004,614)	(69,040,535)	(67,479,057)	(66,987,844)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	330,497,910	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	15,927,859	15,927,859	-	-	-	-	-	-
54	Total Debt Service	(15,927,859)	(15,927,859)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)
55	Total Funds	$ 261,464,164	$ 226,793,017	$ 209,144,509	$ 201,684,651	$ 202,290,355	$ 210,247,954	$ 233,583,727	$ 261,783,769
56	Average Annual Balance	$ 174,309,443	$ 245,099,700	$ 219,353,566	$ 206,630,833	$ 203,140,142	$ 207,404,340	$ 223,072,347	$ 248,918,594
57	Annual Interest Earnings, All Funds	$ 1,942,219	$ 2,769,606	$ 2,432,505	$ 2,305,278	$ 2,270,371	$ 2,313,013	$ 2,469,693	$ 2,728,155
	Year Ending Balance, with Interest	$ 263,406,383	$ 229,562,622	$ 211,577,014	$ 203,989,929	$ 204,560,726	$ 212,560,967	$ 236,053,420	$ 264,511,925
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
59	Deposit from Bond Proceeds	$ 23,896,955	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
62	Average Annual Balance	$ 11,948,478	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
63	Annual Interest Earnings, to Operating Fund	$ 119,485	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 15,927,859	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 31,855,718	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (15,927,859)	$ (15,927,859)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 15,927,859	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 7,963,930	$ 7,963,930	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 79,639	$ 79,639	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 751,977,936	$ 750,055,797	$ 749,672,121	$ 749,486,296	$ 751,552,494	$ 751,303,709	$ 751,762,634	$ 752,114,650
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 751,977,936	$ 750,055,797	$ 749,672,121	$ 749,486,296	$ 751,552,494	$ 751,303,709	$ 751,762,634	$ 752,114,650
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		399,985,799	396,407,943	393,398,364	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
7	SDG&E Service Charges		5,542,301	5,634,238	5,747,456	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
8	SDG&E CRS Charges		186,790,855	184,018,118	181,448,743	178,660,242	176,397,504	173,451,505	170,965,230	168,586,302
9	SDG&E Power Franchise Charges		23,119,179	22,912,379	22,738,425	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
10	ESP Charges		8,514,542	8,486,061	8,486,848	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		778,079	786,675	797,165	807,877	820,202	830,886	842,514	853,958
15	Uncollectable Accounts		1,413,719	1,410,105	1,409,384	1,409,034	1,412,919	1,412,451	1,413,314	1,413,976
16	**Total Operating Expenses**		$ 632,831,630	$ 626,521,312	$ 621,076,171	$ 608,776,773	$ 606,627,699	$ 606,025,456	$ 595,196,532	$ 591,571,302
17	Contingency/Rate Stabilization Fund		66,829,704	66,166,948	65,595,749	64,283,483	64,066,377	64,023,145	62,867,346	62,491,408
18	**Total Operating Expenses & Contin/Rate Stab**		$ 699,661,333	$ 692,688,260	$ 686,671,920	$ 673,060,256	$ 670,694,076	$ 670,048,601	$ 658,063,879	$ 654,062,710
19	**Net Operating Revenues**		$ 52,316,603	$ 57,367,537	$ 63,000,201	$ 76,426,040	$ 80,858,418	$ 81,255,108	$ 93,698,755	$ 98,051,940
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		3,025,646	3,364,812	3,760,110	4,254,654	4,844,145	5,463,677	6,153,966	6,935,142
22	Total Non-Operating Revenues (Expenses)		$ 2,917,422	$ 3,364,812	$ 3,516,272	$ 4,254,654	$ 4,742,518	$ 5,463,677	$ 6,124,526	$ 6,935,142
23	**Net Operating Income**		$ 55,234,024	$ 60,732,350	$ 66,516,473	$ 80,680,694	$ 85,600,935	$ 86,718,784	$ 99,823,282	$ 104,987,082
	Debt Service	[3]								
24	Borrowing 1		$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
29	**Debt Service Coverage (Target=1.25)**		2.31	2.54	2.78	3.38	3.58	3.63	4.18	4.39
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 31,337,069	$ 36,835,394	$ 42,619,517	$ 56,783,739	$ 61,703,980	$ 62,821,829	$ 75,926,326	$ 81,090,127
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 31,337,069	$ 36,835,394	$ 42,619,517	$ 56,783,739	$ 61,703,980	$ 62,821,829	$ 75,926,326	$ 81,090,127

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 264,511,925	$ 295,848,994	$ 332,684,388	$ 375,303,905	$ 432,087,644	$ 493,791,624	$ 556,613,453	$ 632,539,780
35	Deposit/(Withdrawal) from Operations	$ 31,337,069	$ 36,835,394	$ 42,619,517	$ 56,783,739	$ 61,703,980	$ 62,821,829	$ 75,926,326	$ 81,090,127
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 295,848,994	$ 332,684,388	$ 375,303,905	$ 432,087,644	$ 493,791,624	$ 556,613,453	$ 632,539,780	$ 713,629,907
42	Targeted Working Capital Balance	$ 248,156,681	$ 245,616,546	$ 243,412,254	$ 238,830,690	$ 237,810,506	$ 237,207,226	$ 233,181,037	$ 231,635,063
43	Surplus/(Deficiency)	$ 47,692,313	$ 87,067,841	$ 131,891,651	$ 193,256,954	$ 255,981,119	$ 319,406,227	$ 399,358,743	$ 481,994,844
44	Ratio of Surplus/(Deficiency) to Revenues	6%	12%	18%	26%	34%	43%	53%	64%
45	% Surplus/(Deficiency) to Target	19%	35%	54%	81%	108%	135%	171%	208%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 264,511,925	$ 295,848,994	$ 332,684,388	$ 375,303,905	$ 432,087,644	$ 493,791,624	$ 556,613,453	$ 632,539,780
47	Total Operating Revenues	751,977,936	750,055,797	749,672,121	749,486,296	751,552,494	751,303,709	751,762,634	752,114,650
48	Total Operating Expenses	(632,831,630)	(626,521,312)	(621,076,171)	(608,776,773)	(606,627,699)	(606,025,456)	(595,196,532)	(591,571,302)
49	Contingency/Rate Stabilization Fund	(66,829,704)	(66,166,948)	(65,595,749)	(64,283,483)	(64,066,377)	(64,023,145)	(62,867,346)	(62,491,408)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)	(23,896,955)
55	Total Funds	$ 292,823,348	$ 329,319,575	$ 371,543,795	$ 427,832,990	$ 488,947,479	$ 551,149,777	$ 626,385,814	$ 706,694,764
56	Average Annual Balance	$ 278,667,636	$ 312,584,285	$ 352,114,091	$ 401,568,448	$ 460,517,562	$ 522,470,701	$ 591,499,634	$ 669,617,272
57	Annual Interest Earnings, All Funds	$ 3,025,646	$ 3,364,812	$ 3,760,110	$ 4,254,654	$ 4,844,145	$ 5,463,677	$ 6,153,966	$ 6,935,142
	Year Ending Balance, with Interest	$ 295,848,994	$ 332,684,388	$ 375,303,905	$ 432,087,644	$ 493,791,624	$ 556,613,453	$ 632,539,780	$ 713,629,907
	Bond Reserve Fund								
58	Beginning Year Balance	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
62	Average Annual Balance	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
63	Annual Interest Earnings, to Operating Fund	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970	$ 238,970
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334
2	Customer Accounts	11,475	340,793	475,476	474,877	475,297
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	166,619,357	381,968,618	418,624,481	420,513,945	413,324,294
5	SDG&E Service Charges	2,983,252	4,906,921	4,946,847	5,039,429	5,144,765
6	SDG&E CRS Charges	68,349,676	177,206,535	203,060,578	204,066,382	204,295,300
7	SDG&E Power Franchise Charges	9,630,599	22,077,786	24,196,495	24,305,706	23,890,144
8	ESP Charges	206,548	5,940,420	8,558,559	8,547,780	8,555,341
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	97,477	541,929	729,317	735,669	743,543
13	Uncollectable Accounts	$ 392,333	$ 1,174,973	$ 1,393,356	$ 1,419,932	$ 1,420,698
14	**Total Operating Expenses**	$ 250,858,233	$ 598,374,818	$ 667,232,720	$ 670,499,976	$ 663,398,057
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	15,927,859	15,927,859	23,896,955	23,896,955	23,896,955
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 16,227,859	$ 15,927,859	$ 23,896,955	$ 23,896,955	$ 23,987,171
19	**Total Operating & Non-Operating Expenses**	**$ 267,086,092**	**$ 614,302,677**	**$ 691,129,675**	**$ 694,396,931**	**$ 687,385,228**
20	Contingency/Rate Stabilization Fund	$ 26,563,182	$ 63,224,270	$ 70,435,076	$ 70,778,555	$ 70,004,614
21	**Total Expenses Incl. Contingency**	$ 293,649,274	$ 677,526,947	$ 761,564,751	$ 765,175,486	$ 757,389,842

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,638,654	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392
2	Customer Accounts	472,920	472,641	472,271	473,030	471,448	471,492
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	410,662,128	401,150,788	399,893,907	399,985,799	396,407,943	393,398,364
5	SDG&E Service Charges	5,221,424	5,322,710	5,424,913	5,542,301	5,634,238	5,747,456
6	SDG&E CRS Charges	197,514,020	192,536,954	188,794,084	186,790,855	184,018,118	181,448,743
7	SDG&E Power Franchise Charges	23,736,271	23,186,516	23,113,868	23,119,179	22,912,379	22,738,425
8	ESP Charges	8,512,569	8,507,546	8,500,884	8,514,542	8,486,061	8,486,848
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	749,746	758,659	767,668	778,079	786,675	797,165
13	Uncollectable Accounts	$ 1,414,922	$ 1,413,047	$ 1,411,994	$ 1,413,719	$ 1,410,105	$ 1,409,384
14	**Total Operating Expenses**	$ 653,993,304	$ 639,221,864	$ 634,421,184	$ 632,831,630	$ 626,521,312	$ 621,076,171
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	23,896,955	23,896,955	23,896,955	23,896,955	23,896,955	23,896,955
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 23,896,955	$ 23,896,955	$ 23,921,220	$ 24,005,179	$ 23,896,955	$ 24,140,794
19	**Total Operating & Non-Operating Expenses**	**$ 677,890,259**	**$ 663,118,820**	**$ 658,342,405**	**$ 656,836,809**	**$ 650,418,267**	**$ 645,216,965**
20	Contingency/Rate Stabilization Fund	$ 69,040,535	$ 67,479,057	$ 66,987,844	$ 66,829,704	$ 66,166,948	$ 65,595,749
21	**Total Expenses Incl. Contingency**	$ 746,930,794	$ 730,597,877	$ 725,330,249	$ 723,666,513	$ 716,585,215	$ 710,812,714

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,619,640	5,638,607	5,632,553	5,637,888	5,640,004
2	Customer Accounts	471,354	472,906	472,441	472,886	473,038
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	384,113,439	383,865,451	385,781,907	377,559,383	376,046,338
5	SDG&E Service Charges	5,860,691	5,997,595	6,111,525	6,239,629	6,366,466
6	SDG&E CRS Charges	178,660,242	176,397,504	173,451,505	170,965,230	168,586,302
7	SDG&E Power Franchise Charges	22,201,757	22,187,423	22,298,194	21,822,932	21,735,478
8	ESP Charges	8,484,366	8,512,313	8,503,934	8,511,946	8,514,681
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	807,877	820,202	830,886	842,514	853,958
13	Uncollectable Accounts	$ 1,409,034	$ 1,412,919	$ 1,412,451	$ 1,413,314	$ 1,413,976
14	**Total Operating Expenses**	$ 608,776,773	$ 606,627,699	$ 606,025,456	$ 595,196,532	$ 591,571,302
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	23,896,955	23,896,955	23,896,955	23,896,955	23,896,955
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 23,896,955	$ 23,998,583	$ 23,896,955	$ 23,926,395	$ 23,896,955
19	**Total Operating & Non-Operating Expenses**	**$ 632,673,728**	**$ 630,626,282**	**$ 629,922,411**	**$ 619,122,927**	**$ 615,468,258**
20	Contingency/Rate Stabilization Fund	$ 64,283,483	$ 64,066,377	$ 64,023,145	$ 62,867,346	$ 62,491,408
21	**Total Expenses Incl. Contingency**	$ 696,957,211	$ 694,692,659	$ 693,945,557	$ 681,990,274	$ 677,959,665

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 4 - Low PCIA**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 203,539	$ 5,940,420	$ 8,282,264	$ 8,271,832	$ 8,279,145	$ 8,237,770
2		Opt-up to 100%	$ 3,009	$ -	$ 276,295	$ 275,948	$ 276,196	$ 274,799
3		**Total Projected ESP Costs**	$ 206,548	$ 5,940,420	$ 8,558,559	$ 8,547,780	$ 8,555,341	$ 8,512,569
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	135,692	3,960,280	5,521,510	5,514,555	5,519,430	5,491,847
4		Opt-up to 100%	2,006		184,197	183,965	184,131	183,199
5		**Total Customer Accounts Billing Determinants**	137,699	3,960,280	5,705,706	5,698,520	5,703,561	5,675,046
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,139,795	4,949,005	5,555,972	5,548,994	5,553,988	5,525,881
6		Opt-up to 100%	25,218	92,111	113,387	113,245	113,347	112,773
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,165,013	5,041,116	5,669,360	5,662,239	5,667,334	5,638,654
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 4 - Low PCIA**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,232,905	$ 8,226,457	$ 8,239,669	$ 8,212,122	$ 8,212,890	$ 8,210,494
2		Opt-up to 100%	$ 274,641	$ 274,427	$ 274,872	$ 273,940	$ 273,957	$ 273,872
3		**Total Projected ESP Costs**	$ 8,507,546	$ 8,500,884	$ 8,514,542	$ 8,486,061	$ 8,486,848	$ 8,484,366
		Customer Accounts Billing Determinants						
4		Baseload	5,488,603	5,484,304	5,493,113	5,474,748	5,475,260	5,473,663
4		Opt-up to 100%	183,094	182,951	183,248	182,626	182,638	182,581
5		**Total Customer Accounts Billing Determinants**	5,671,697	5,667,256	5,676,361	5,657,374	5,657,898	5,656,244
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,522,708	5,518,405	5,527,362	5,508,607	5,508,964	5,507,247
6		Opt-up to 100%	112,708	112,621	112,803	112,421	112,428	112,393
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,635,416	5,631,026	5,640,165	5,621,027	5,621,392	5,619,640
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: Sensitivity 4 - Low PCIA

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,237,517	$ 8,229,433	$ 8,237,185	$ 8,239,817	$ 121,493,460
2		Opt-up to 100%	$ 274,796	$ 274,501	$ 274,761	$ 274,864	$ 3,850,879
3		**Total Projected ESP Costs**	$ 8,512,313	$ 8,503,934	$ 8,511,946	$ 8,514,681	$ 125,344,339
		Customer Accounts Billing Determinants					
4		Baseload	5,491,678	5,486,289	5,491,456	5,493,211	80,995,640
4		Opt-up to 100%	183,198	183,001	183,174	183,243	2,567,253
5		**Total Customer Accounts Billing Determinants**	5,674,876	5,669,290	5,674,631	5,676,454	83,562,892
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,525,835	5,519,902	5,525,130	5,527,204	84,464,999
6		Opt-up to 100%	112,772	112,651	112,758	112,800	1,696,435
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,638,607	5,632,553	5,637,888	5,640,004	86,161,433
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 104,343,835	$ 208,508,121	$ 416,657,148	$ 721,786,485	$ 1,451,295,589
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 58,525,310	$ 63,305,739	$ 163,323,719	$ 232,203,920	$ 517,358,688
4	Power Procurement	$ 122,567,693	$ 130,221,423	$ 295,798,859	$ 418,624,481	$ 967,212,457
5	Total ESP Charges	$ 74,829	$ 405,004	$ 5,860,991	$ 8,558,559	$ 14,899,383
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,446	$ 1,982,948	$ 3,096,932	$ 5,701,756	$ 12,085,081
8	**Subtotal Expenses**	$ 183,094,402	$ 196,261,364	$ 468,503,834	$ 665,277,655	$ 1,513,137,255
9	Contingency	$ 6,052,671	$ 6,603,994	$ 17,270,497	$ 24,665,317	54,592,480
10	**Total Expenses**	$ 189,147,073	$ 202,865,358	$ 485,774,332	$ 689,942,972	$ 1,567,729,735
11	Cash Flow	$ (84,803,239)	$ 5,642,763	$ (69,117,184)	$ 31,843,513	$ (116,434,146)
12	Cumulative Cash Flow	$ (84,803,239)	$ (79,160,475)	$ (148,277,659)	$ (116,434,146)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 4 - Low PCIA

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,334	81	235,510	2,630	$ 588,000	$ 12,000
2	I	2020	Jun	7,946	84	250,148	2,748	$ -	$ -
3	I	2020	Jul	8,527	93	269,002	3,033	$ -	$ -
4	I	2020	Aug	8,206	92	259,136	3,001	$ -	$ -
5	I	2020	Sep	9,219	106	291,759	3,468	$ -	$ -
6	I	2020	Oct	8,106	92	256,018	2,998	$ -	$ -
7	II	2020	Nov	44,194	729	294,628	3,667	$ 294,000	$ 6,000
8	II	2020	Dec	42,160	730	283,595	3,672	$ -	$ -
9	II	2021	Jan	45,353	758	284,833	3,814	$ -	$ -
10	II	2021	Feb	44,641	708	286,638	3,561	$ -	$ -
11	II	2021	Mar	44,624	696	282,363	3,502	$ -	$ -
12	II	2021	Apr	44,729	682	282,741	3,429	$ -	$ -
13	III	2021	May	404,364	14,192	428,073	8,736	$ 294,000	$ 6,000
14	III	2021	Jun	414,154	14,823	447,124	9,125	$ -	$ -
15	III	2021	Jul	473,349	16,293	491,460	10,030	$ -	$ -
16	III	2021	Aug	491,046	16,249	490,120	10,002	$ -	$ -
17	III	2021	Sep	593,322	18,811	567,415	11,580	$ -	$ -
18	III	2021	Oct	500,085	16,204	488,774	9,975	$ -	$ -
19	III	2021	Nov	438,580	14,903	449,513	9,174	$ -	$ -
20	III	2021	Dec	466,035	14,917	449,953	9,183	$ -	$ -
21		2022	Jan	510,713	15,511	467,859	9,548	$ -	$ -
22		2022	Feb	425,662	14,450	435,862	8,895	$ -	$ -
23		2022	Mar	418,121	14,212	428,677	8,749	$ -	$ -
24		2022	Apr	392,454	13,845	417,616	8,523	$ -	$ -
25		2022	May	404,816	14,208	428,550	8,746	$ -	$ -
26		2022	Jun	413,013	14,783	445,892	9,100	$ -	$ -
27		2022	Jul	470,635	16,200	488,641	9,972	$ -	$ -
28		2022	Aug	491,351	16,259	490,425	10,009	$ -	$ -
29		2022	Sep	592,736	18,793	566,854	11,568	$ -	$ -
30		2022	Oct	498,443	16,151	487,169	9,942	$ -	$ -
31		2022	Nov	438,130	14,887	449,052	9,164	$ -	$ -
32		2022	Dec	465,437	14,898	449,375	9,171	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 4 - Low PCIA

				Total SDG&E Charges				
				Account		Franchise	Total SDG&E Charges	
Line	Phase	Year	Month	Fees	CRS	Fees	Baseload	Opt-Up
1	I	2020	May	$ 1,443,850	$ 7,557,490	$ 1,010,835	$ 9,884,563	$ 127,611
2	I	2020	Jun	$ 6,692	$ 7,977,635	$ 1,109,587	$ 8,989,553	$ 104,360
3	I	2020	Jul	$ 7,183	$ 8,594,651	$ 1,185,279	$ 9,672,304	$ 114,809
4	I	2020	Aug	$ 6,915	$ 8,293,551	$ 1,257,625	$ 9,442,615	$ 115,477
5	I	2020	Sep	$ 7,771	$ 9,343,173	$ 1,337,608	$ 10,557,169	$ 131,383
6	I	2020	Oct	$ 6,832	$ 8,195,155	$ 1,183,479	$ 9,271,594	$ 113,872
7	II	2020	Nov	$ 1,468,267	$ 9,370,184	$ 1,285,222	$ 11,957,148	$ 166,524
8	II	2020	Dec	$ 35,742	$ 9,017,837	$ 1,260,964	$ 10,175,686	$ 138,858
9	II	2021	Jan	$ 39,194	$ 8,964,224	$ 1,266,635	$ 10,127,493	$ 142,561
10	II	2021	Feb	$ 38,546	$ 9,010,603	$ 1,251,505	$ 10,167,590	$ 133,064
11	II	2021	Mar	$ 38,522	$ 8,876,623	$ 1,216,418	$ 10,001,421	$ 130,143
12	II	2021	Apr	$ 38,599	$ 8,880,598	$ 1,246,053	$ 10,037,283	$ 127,967
13	III	2021	May	$ 1,786,604	$ 15,780,404	$ 1,851,263	$ 18,973,582	$ 444,689
14	III	2021	Jun	$ 364,631	$ 16,393,233	$ 2,086,230	$ 18,402,072	$ 442,022
15	III	2021	Jul	$ 416,196	$ 18,140,060	$ 2,229,097	$ 20,301,052	$ 484,302
16	III	2021	Aug	$ 431,200	$ 18,217,402	$ 2,196,035	$ 20,363,984	$ 480,653
17	III	2021	Sep	$ 520,313	$ 21,254,253	$ 2,642,398	$ 23,860,094	$ 556,870
18	III	2021	Oct	$ 438,846	$ 18,237,509	$ 2,250,842	$ 20,447,132	$ 480,066
19	III	2021	Nov	$ 385,460	$ 16,635,515	$ 1,959,240	$ 18,540,232	$ 439,983
20	III	2021	Dec	$ 408,809	$ 16,816,109	$ 1,882,068	$ 18,670,205	$ 436,782
21		2022	Jan	$ 456,236	$ 17,366,925	$ 2,010,904	$ 19,382,583	$ 451,481
22		2022	Feb	$ 381,577	$ 15,873,123	$ 1,837,103	$ 17,673,285	$ 418,518
23		2022	Mar	$ 374,833	$ 15,605,227	$ 1,797,417	$ 17,364,814	$ 412,663
24		2022	Apr	$ 352,261	$ 15,105,254	$ 1,854,776	$ 16,907,314	$ 404,977
25		2022	May	$ 363,293	$ 15,560,721	$ 1,872,932	$ 17,383,776	$ 413,170
26		2022	Jun	$ 370,899	$ 16,102,547	$ 1,886,872	$ 17,931,978	$ 428,340
27		2022	Jul	$ 422,086	$ 17,764,919	$ 2,130,641	$ 19,846,055	$ 471,591
28		2022	Aug	$ 440,098	$ 17,954,487	$ 2,231,461	$ 20,151,833	$ 474,212
29		2022	Sep	$ 530,195	$ 20,913,338	$ 2,537,122	$ 23,431,840	$ 548,814
30		2022	Oct	$ 446,153	$ 17,903,948	$ 2,206,182	$ 20,085,337	$ 470,946
31		2022	Nov	$ 392,766	$ 16,368,574	$ 1,978,742	$ 18,306,013	$ 434,069
32		2022	Dec	$ 416,450	$ 16,541,514	$ 1,852,344	$ 18,380,472	$ 429,837
		Total		$ 12,837,020	$ 448,616,789	$ 55,904,880	$ 506,688,072	$ 10,670,616

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 4 - Low PCIA

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 17,240,464	$ 248,023	$ 11,001	$ 121	$ 3,777	$ 77	$ 212,896	$ 4,345
2	I	2020	Jun	$ 18,919,423	$ 277,576	$ 11,919	$ 126	$ 3,777	$ 77	$ 212,896	$ 4,345
3	I	2020	Jul	$ 20,206,353	$ 300,209	$ 12,791	$ 139	$ 3,777	$ 77	$ 212,896	$ 4,345
4	I	2020	Aug	$ 21,428,683	$ 329,543	$ 12,310	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
5	I	2020	Sep	$ 22,797,263	$ 344,743	$ 13,828	$ 159	$ 3,777	$ 77	$ 212,896	$ 4,345
6	I	2020	Oct	$ 20,171,971	$ 303,441	$ 12,160	$ 138	$ 3,777	$ 77	$ 212,896	$ 4,345
7	II	2020	Nov	$ 21,871,441	$ 364,230	$ 66,290	$ 1,093	$ 7,554	$ 154	$ 212,896	$ 4,345
8	II	2020	Dec	$ 21,438,011	$ 377,982	$ 63,241	$ 1,095	$ 7,554	$ 154	$ 212,896	$ 4,345
9	II	2021	Jan	$ 21,527,831	$ 386,275	$ 68,029	$ 1,137	$ 7,554	$ 154	$ 379,374	$ 7,742
10	II	2021	Feb	$ 21,292,699	$ 359,636	$ 66,961	$ 1,062	$ 7,554	$ 154	$ 379,374	$ 7,742
11	II	2021	Mar	$ 20,703,974	$ 341,327	$ 66,935	$ 1,044	$ 7,554	$ 154	$ 379,374	$ 7,742
12	II	2021	Apr	$ 21,214,315	$ 343,702	$ 67,093	$ 1,022	$ 7,554	$ 154	$ 379,374	$ 7,742
13	III	2021	May	$ 31,212,276	$ 816,487	$ 606,547	$ 21,288	$ 15,108	$ 308	$ 379,374	$ 7,742
14	III	2021	Jun	$ 35,112,515	$ 981,429	$ 621,231	$ 22,235	$ 15,108	$ 308	$ 379,374	$ 7,742
15	III	2021	Jul	$ 37,513,785	$ 1,051,914	$ 710,024	$ 24,440	$ 15,108	$ 308	$ 379,374	$ 7,742
16	III	2021	Aug	$ 36,984,919	$ 1,008,767	$ 736,568	$ 24,373	$ 15,108	$ 308	$ 379,374	$ 7,742
17	III	2021	Sep	$ 44,541,193	$ 1,175,040	$ 889,983	$ 28,217	$ 15,108	$ 308	$ 379,374	$ 7,742
18	III	2021	Oct	$ 37,923,236	$ 1,018,675	$ 750,127	$ 24,306	$ 15,108	$ 308	$ 379,374	$ 7,742
19	III	2021	Nov	$ 32,986,356	$ 910,531	$ 657,870	$ 22,354	$ 15,108	$ 308	$ 379,374	$ 7,742
20	III	2021	Dec	$ 31,713,143	$ 848,594	$ 699,052	$ 22,376	$ 15,108	$ 308	$ 379,374	$ 7,742
21		2022	Jan	$ 33,858,228	$ 932,493	$ 766,069	$ 23,266	$ 15,430	$ 315	$ 465,643	$ 9,503
22		2022	Feb	$ 30,951,162	$ 832,632	$ 638,493	$ 21,675	$ 15,430	$ 315	$ 465,643	$ 9,503
23		2022	Mar	$ 30,260,218	$ 836,965	$ 627,182	$ 21,318	$ 15,430	$ 315	$ 465,643	$ 9,503
24		2022	Apr	$ 31,222,944	$ 866,606	$ 588,680	$ 20,768	$ 15,430	$ 315	$ 465,643	$ 9,503
25		2022	May	$ 31,556,068	$ 847,594	$ 607,224	$ 21,312	$ 15,430	$ 315	$ 465,643	$ 9,503
26		2022	Jun	$ 31,789,764	$ 855,083	$ 619,520	$ 22,174	$ 15,430	$ 315	$ 465,643	$ 9,503
27		2022	Jul	$ 35,887,444	$ 974,854	$ 705,952	$ 24,300	$ 15,430	$ 315	$ 465,643	$ 9,503
28		2022	Aug	$ 37,612,596	$ 993,988	$ 737,026	$ 24,389	$ 15,430	$ 315	$ 465,643	$ 9,503
29		2022	Sep	$ 42,733,843	$ 1,160,994	$ 889,103	$ 28,189	$ 15,430	$ 315	$ 465,643	$ 9,503
30		2022	Oct	$ 37,183,893	$ 985,346	$ 747,665	$ 24,227	$ 15,430	$ 315	$ 465,643	$ 9,503
31		2022	Nov	$ 33,326,541	$ 907,742	$ 657,195	$ 22,331	$ 15,430	$ 315	$ 465,643	$ 9,503
32		2022	Dec	$ 31,217,710	$ 829,773	$ 698,155	$ 22,347	$ 15,430	$ 315	$ 465,643	$ 9,503
		Total		$ 944,400,263	$ 22,812,194	$ 14,426,223	$ 473,160	$ 374,014	$ 7,633	$ 11,843,379	$ 241,702

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 4 - Low PCIA

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 27,940,701	$ 392,177	$ 1,070,024	$ 14,415	$ 29,010,725	$ 406,592	$ 29,417,317
2	I	2020	Jun	$ 28,137,569	$ 386,484	$ 921,815	$ 10,891	$ 29,059,383	$ 397,375	$ 29,456,759
3	I	2020	Jul	$ 30,108,120	$ 419,580	$ 990,177	$ 11,937	$ 31,098,297	$ 431,517	$ 31,529,814
4	I	2020	Aug	$ 31,100,281	$ 449,580	$ 967,160	$ 12,004	$ 32,067,440	$ 461,584	$ 32,529,024
5	I	2020	Sep	$ 33,584,933	$ 480,707	$ 1,078,767	$ 13,596	$ 34,663,700	$ 494,304	$ 35,158,004
6	I	2020	Oct	$ 29,672,397	$ 421,873	$ 950,043	$ 11,843	$ 30,622,440	$ 433,716	$ 31,056,156
7	II	2020	Nov	$ 34,409,330	$ 542,346	$ 1,253,789	$ 17,812	$ 35,663,119	$ 560,158	$ 36,223,277
8	II	2020	Dec	$ 31,897,388	$ 522,434	$ 1,045,938	$ 14,445	$ 32,943,325	$ 536,879	$ 33,480,205
9	II	2021	Jan	$ 32,110,282	$ 537,870	$ 1,058,245	$ 15,159	$ 33,168,527	$ 553,029	$ 33,721,556
10	II	2021	Feb	$ 31,914,179	$ 501,659	$ 1,062,148	$ 14,202	$ 32,976,327	$ 515,861	$ 33,492,188
11	II	2021	Mar	$ 31,159,259	$ 480,410	$ 1,045,528	$ 13,908	$ 32,204,787	$ 494,318	$ 32,699,106
12	II	2021	Apr	$ 31,705,620	$ 480,588	$ 1,049,130	$ 13,689	$ 32,754,750	$ 494,277	$ 33,249,027
13	III	2021	May	$ 51,480,887	$ 1,296,514	$ 2,026,861	$ 48,003	$ 53,507,749	$ 1,344,517	$ 54,852,265
14	III	2021	Jun	$ 54,530,300	$ 1,453,737	$ 1,941,778	$ 47,231	$ 56,472,079	$ 1,500,968	$ 57,973,046
15	III	2021	Jul	$ 58,919,343	$ 1,568,706	$ 2,140,556	$ 51,679	$ 61,059,899	$ 1,620,385	$ 62,680,284
16	III	2021	Aug	$ 58,479,954	$ 1,521,844	$ 2,149,503	$ 51,308	$ 60,629,457	$ 1,573,151	$ 62,202,609
17	III	2021	Sep	$ 69,685,752	$ 1,768,178	$ 2,514,456	$ 59,314	$ 72,200,208	$ 1,827,491	$ 74,027,700
18	III	2021	Oct	$ 59,514,977	$ 1,531,098	$ 2,159,174	$ 51,242	$ 61,674,151	$ 1,582,341	$ 63,256,492
19	III	2021	Nov	$ 52,578,940	$ 1,380,918	$ 1,959,258	$ 47,039	$ 54,538,198	$ 1,427,957	$ 55,966,156
20	III	2021	Dec	$ 51,476,882	$ 1,315,803	$ 1,976,374	$ 46,721	$ 53,453,256	$ 1,362,524	$ 54,815,780
21		2022	Jan	$ 54,487,954	$ 1,417,058	$ 2,062,973	$ 48,457	$ 56,550,926	$ 1,465,514	$ 58,016,441
22		2022	Feb	$ 49,744,014	$ 1,282,643	$ 1,879,285	$ 45,001	$ 51,623,299	$ 1,327,644	$ 52,950,943
23		2022	Mar	$ 48,733,288	$ 1,280,764	$ 1,847,307	$ 44,380	$ 50,580,595	$ 1,325,144	$ 51,905,739
24		2022	Apr	$ 49,200,012	$ 1,302,169	$ 1,797,707	$ 43,556	$ 50,997,719	$ 1,345,725	$ 52,343,444
25		2022	May	$ 50,028,141	$ 1,291,894	$ 1,847,207	$ 44,430	$ 51,875,349	$ 1,336,324	$ 53,211,672
26		2022	Jun	$ 50,822,336	$ 1,315,415	$ 1,903,257	$ 46,033	$ 52,725,593	$ 1,361,448	$ 54,087,041
27		2022	Jul	$ 56,920,524	$ 1,480,562	$ 2,103,308	$ 50,571	$ 59,023,832	$ 1,531,133	$ 60,554,965
28		2022	Aug	$ 58,982,529	$ 1,502,406	$ 2,136,993	$ 50,842	$ 61,119,522	$ 1,553,248	$ 62,672,770
29		2022	Sep	$ 67,535,859	$ 1,747,815	$ 2,480,202	$ 58,682	$ 70,016,061	$ 1,806,497	$ 71,822,558
30		2022	Oct	$ 58,497,968	$ 1,490,337	$ 2,131,408	$ 50,499	$ 60,629,376	$ 1,540,836	$ 62,170,212
31		2022	Nov	$ 52,770,823	$ 1,373,960	$ 1,944,428	$ 46,622	$ 54,715,251	$ 1,420,582	$ 56,135,833
32		2022	Dec	$ 50,777,410	$ 1,291,775	$ 1,955,970	$ 46,200	$ 52,733,380	$ 1,337,975	$ 54,071,355
		Total		$ 1,478,907,951	$ 34,229,304	$ 53,450,769	$ 1,141,711	$ 1,532,358,720	$ 35,371,015	$ 1,567,729,735

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 4 - Low PCIA

				Sources of Funds		Cash Flow Before Debt Service	
Line	Phase	Year	Month	Debt Proceeds/ (DS)	Estimated Revenues	Annual	Cumulative
1	I	2020	May	$ 330,497,910	$ -	$ 301,080,593	$ 301,080,593
2	I	2020	Jun	$ -	$ -	$ (29,456,759)	271,623,835
3	I	2020	Jul	$ -	$ 26,085,959	$ (5,443,855)	266,179,979
4	I	2020	Aug	$ -	$ 26,085,959	$ (6,443,065)	259,736,914
5	I	2020	Sep	$ -	$ 26,085,959	$ (9,072,045)	250,664,869
6	I	2020	Oct	$ -	$ 26,085,959	$ (4,970,197)	245,694,672
7	II	2020	Nov	$ -	$ 26,085,959	$ (10,137,318)	235,557,353
8	II	2020	Dec	$ -	$ 26,085,959	$ (7,394,246)	228,163,107
9	II	2021	Jan	$ -	$ 26,085,959	$ (7,635,597)	220,527,510
10	II	2021	Feb	$ -	$ 26,085,959	$ (7,406,229)	213,121,281
11	II	2021	Mar	$ -	$ 52,082,143	$ 19,383,038	232,504,318
12	II	2021	Apr	$ -	$ 52,082,143	$ 18,833,116	251,337,435
13	III	2021	May	$ -	$ 52,082,143	$ (2,770,122)	248,567,313
14	III	2021	Jun	$ -	$ 52,082,143	$ (5,890,903)	242,676,410
15	III	2021	Jul	$ -	$ 52,082,143	$ (10,598,141)	232,078,269
16	III	2021	Aug	$ -	$ 52,082,143	$ (10,120,465)	221,957,804
17	III	2021	Sep	$ -	$ 52,082,143	$ (21,945,556)	200,012,248
18	III	2021	Oct	$ -	$ 52,082,143	$ (11,174,349)	188,837,899
19	III	2021	Nov	$ -	$ 52,082,143	$ (3,884,012)	184,953,887
20	III	2021	Dec	$ -	$ 52,082,143	$ (2,733,636)	182,220,251
21		2022	Jan	$ -	$ 52,082,143	$ (5,934,297)	176,285,954
22		2022	Feb	$ -	$ 52,082,143	$ (868,800)	175,417,154
23		2022	Mar	$ -	$ 61,762,220	$ 9,856,481	185,273,635
24		2022	Apr	$ -	$ 61,762,220	$ 9,418,776	194,692,411
25		2022	May	$ -	$ 61,762,220	$ 8,550,548	203,242,959
26		2022	Jun	$ -	$ 61,762,220	$ 7,675,179	210,918,137
27		2022	Jul	$ -	$ 61,762,220	$ 1,207,255	212,125,393
28		2022	Aug	$ -	$ 61,762,220	$ (910,551)	211,214,842
29		2022	Sep	$ -	$ 61,762,220	$ (10,060,339)	201,154,503
30		2022	Oct	$ -	$ 61,762,220	$ (407,992)	200,746,512
31		2022	Nov	$ -	$ 61,762,220	$ 5,626,387	206,372,899
32		2022	Dec	$ -	$ 61,762,220	$ 7,690,865	214,063,764
		Total		$ 330,497,910	$ 1,451,295,589	$ 214,063,764	$ 7,069,004,109

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

263,668,237	Operating Costs, Average 5 Months for First Two Full Years
66,829,673	Average Annual Rate Stabilization Funding for First Two Full Years
330,497,910	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										330,497,910	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 330,497,910	$ 11,945,894	$ 23,896,955	$ 31,855,718	$ 398,196,478	$ 15,927,859	$ 15,927,859	$ 23,896,955	$ 23,896,955
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 15,927,859**	**$ 15,927,859**	**$ 23,896,955**	**$ 23,896,955**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 23,896,955	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955	$ 23,896,955
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 23,896,955	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**	**$ 23,896,955**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Sensitivity 4 - Low PCIA

Line	Description																	
	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	38	Agricultural	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
2	85	Outdoor Lighting Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
3	10,699	Commercial/Industrial Small <20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
4	1,998	Commercial/Industrial Large >20kW	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
5	102,008	Residential	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
6	22,666	Residential CARE	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
7	242	Residential Outdoor Lighting	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
	137,737																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 4 - Low PCIA**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 4 - Low PCIA**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

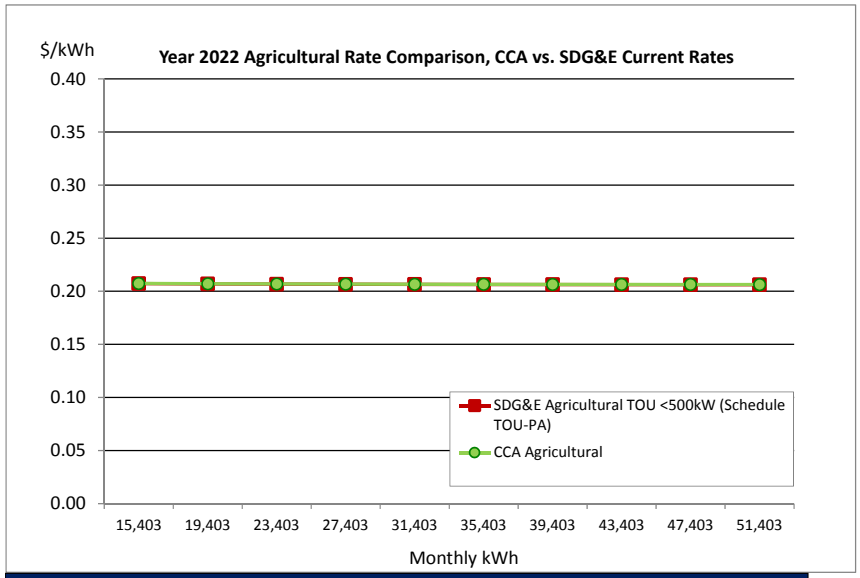
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Sensitivity 4 - Low PCIA

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.89	-	-	-	-	(4.26)	(261.89)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.2763	2,050.87	0.0891	0.1600	0.2491	1,849.32	(0.0272)	(201.55)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.2370	2,261.58	0.0891	0.1600	0.2491	2,377.70	0.0122	116.11
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.1951	3,611.21	0.0891	0.1600	0.2491	4,611.29	0.0540	1,000.07
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	447.02	0.0891	0.0608	0.1499	362.20	(0.0351)	(84.82)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.1722	1,802.19	0.0891	0.0608	0.1499	1,569.54	(0.0222)	(232.65)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.1543	2,228.46	0.0891	0.0608	0.1499	2,165.67	(0.0043)	(62.79)
Average Monthly Bill ($)						6,708.97				6,798.26		89.29
											Percentage Change	**1.3%**

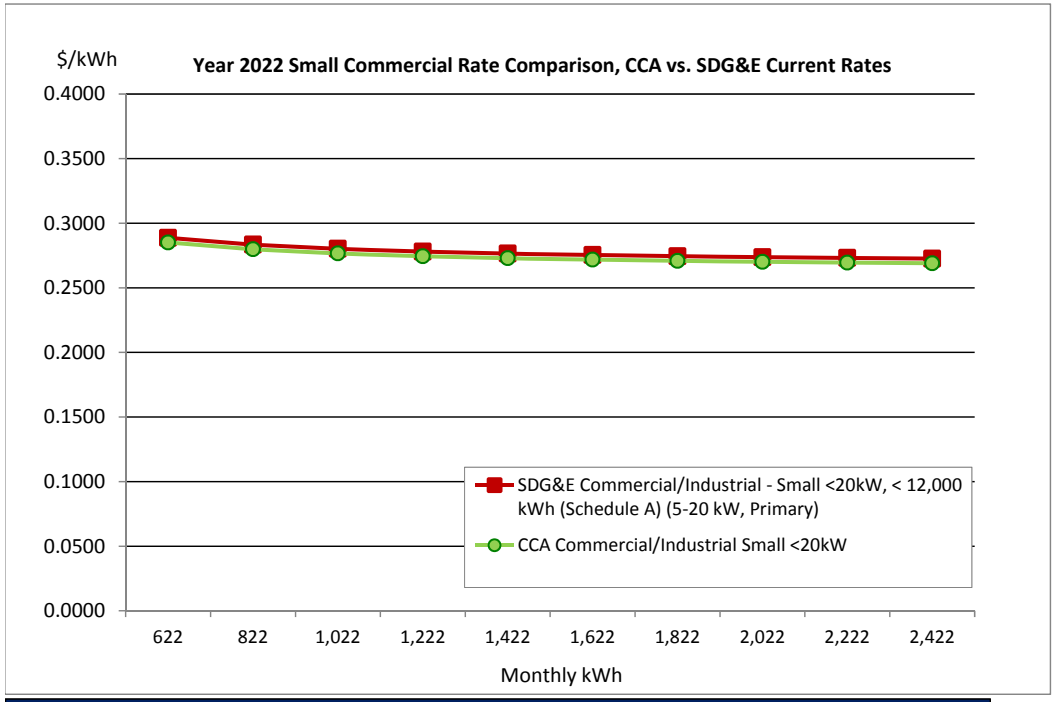


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.1800	0.3158	466.21	0.0111	16.43
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0712	0.2070	283.10	(0.0195)	(26.66)
Average Monthly Bill ($)						395.89				391.59		(4.29)
											Percentage Change	**-1.1%**

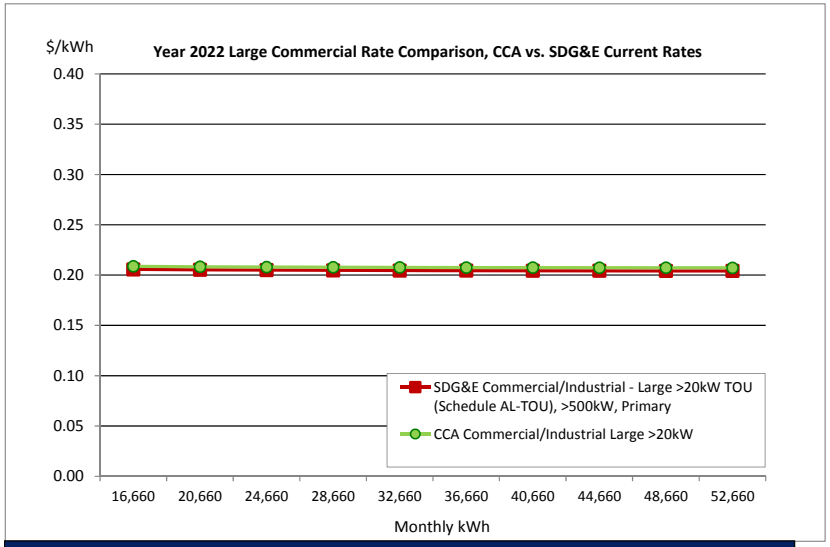


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.85	11.50	-	11.50	735.11	(12.54)	(801.74)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,107.01	0.0034	0.1800	0.1834	1,318.11	0.0294	211.11
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.26	0.0034	0.1800	0.1834	1,694.72	0.0412	380.46
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.30	0.0034	0.1800	0.1834	3,286.72	0.0787	1,410.43
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0730	0.0764	209.14	(0.0632)	(172.98)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.55	0.0034	0.0730	0.0764	906.26	(0.0443)	(525.29)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.08	0.0034	0.0730	0.0764	1,250.46	(0.0182)	(298.62)
Average Monthly Bill ($)						6,706.05				6,885.32		179.27
											Percentage Change	**2.7%**

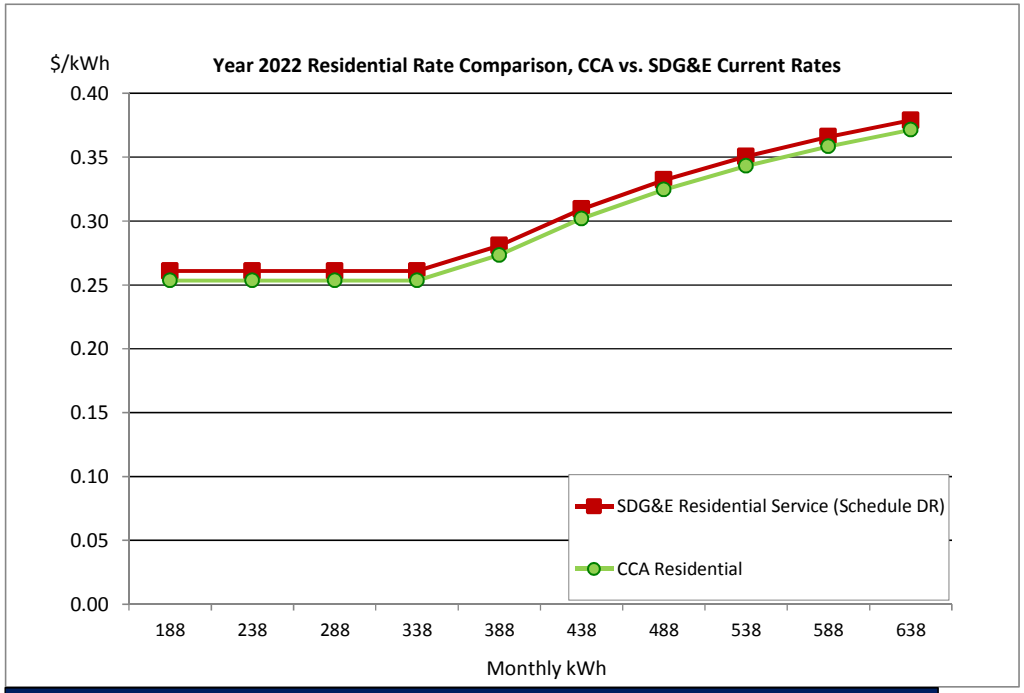


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2000	0.2765	99.22	0.0036	1.28
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.87	0.3570	0.2000	0.5570	25.03	0.0036	0.16
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0844	0.2284	82.41	(0.0194)	(6.99)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0844	0.4876	5.93	(0.0194)	(0.24)
Average Monthly Bill ($)						109.73				107.01		(2.72)
											Percentage Change	**-2.5%**

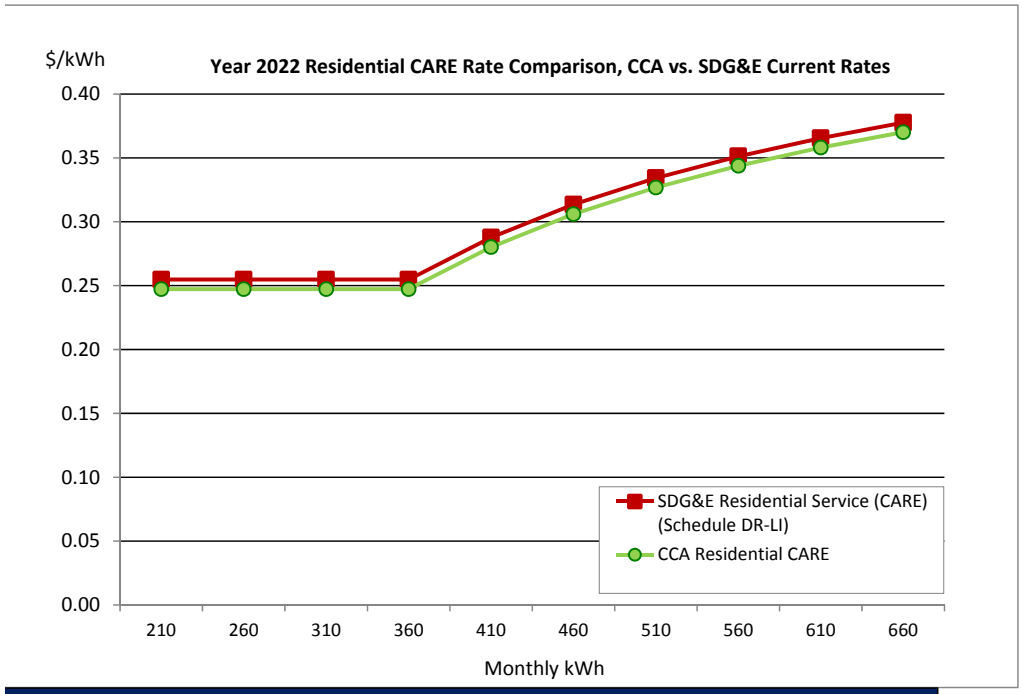


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.1900	0.2659	95.42	(0.0009)	(0.33)
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.72	0.3564	0.1900	0.5464	36.66	(0.0009)	(0.06)
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0838	0.2272	81.98	(0.0145)	(5.23)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.34	0.4026	0.0838	0.4864	15.87	(0.0145)	(0.47)
Average Monthly Bill ($)						118.59				115.64		(2.94)
											Percentage Change	**-2.5%**

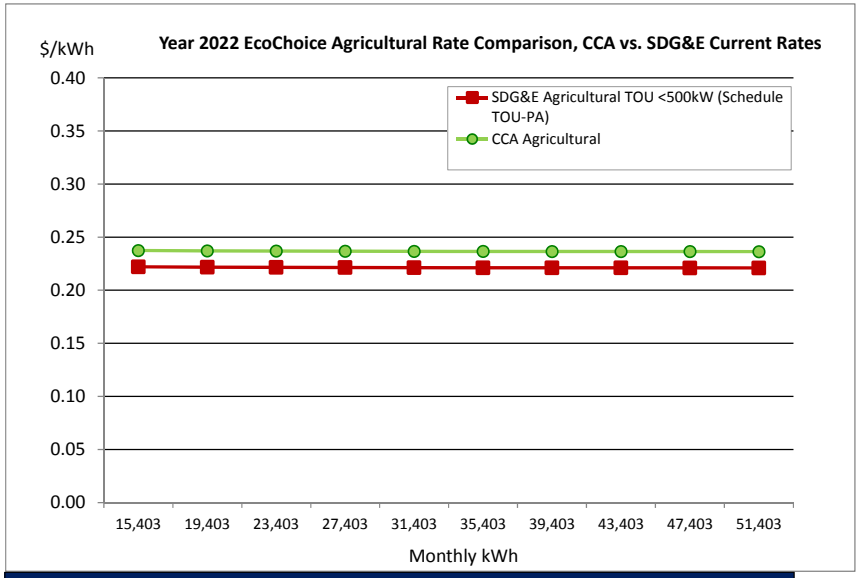


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.58	-	-	-	-	(4.0288)	(247.58)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.22	0.0891	0.1900	0.2791	2,072.01	(0.0124)	(92.21)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.32	0.0891	0.1900	0.2791	2,664.02	0.0269	256.70
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.86	0.0891	0.1900	0.2791	5,166.58	0.0688	1,272.72
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.91	0.0891	0.0908	0.1799	434.68	(0.0204)	(49.23)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,962.05	0.0891	0.0908	0.1799	1,883.60	(0.0075)	(78.45)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,449.03	0.0891	0.0908	0.1799	2,599.01	0.0104	149.98
Average Monthly Bill ($)							7,182.25				7,756.20		573.95
												Percentage Change	**8.0%**

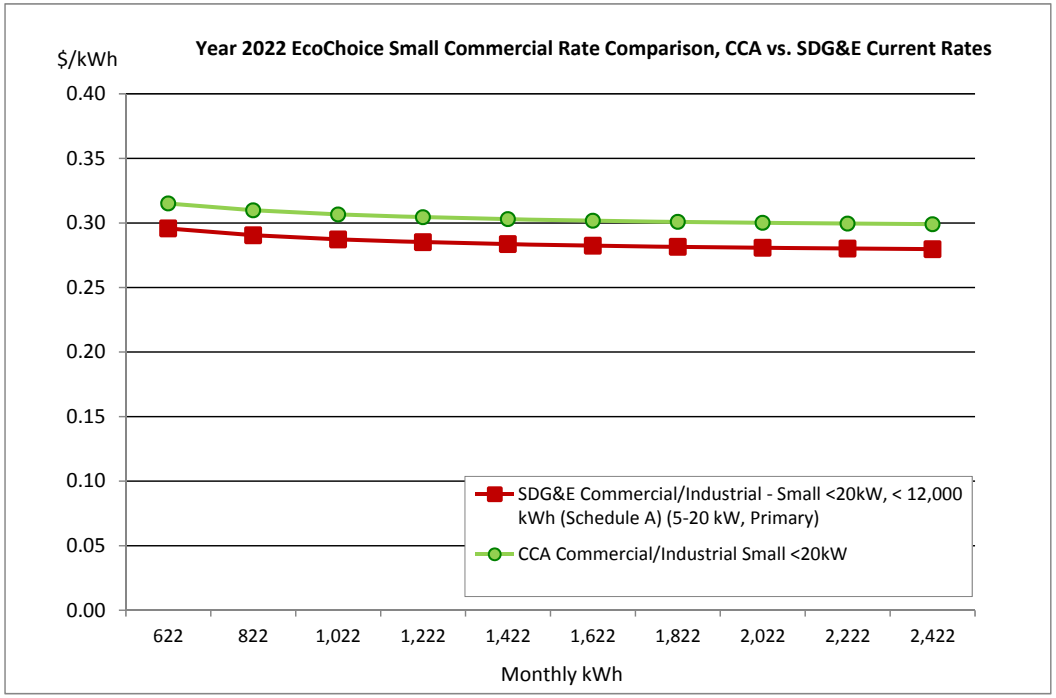


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	0.2100	0.3458	510.50	0.0341	50.30
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	0.1012	0.2370	324.13	0.0034	4.71
Average Monthly Bill ($)							405.94				434.31		28.37
												Percentage Change	**7.0%**

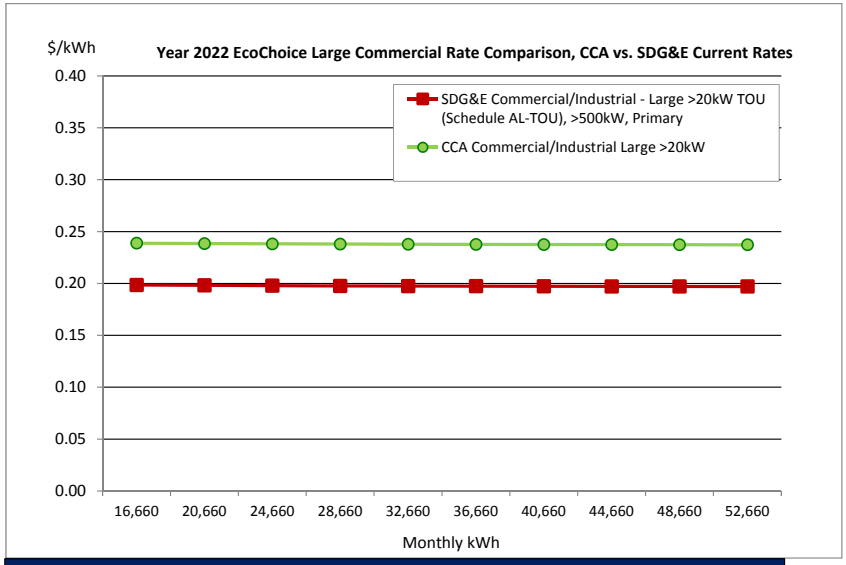


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.19	11.50	-	11.50	735.11	(13.27)	(848.08)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.37	0.0034	0.2100	0.2134	1,533.74	0.0673	483.37
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.44	0.0034	0.2100	0.2134	1,971.95	0.0791	730.50
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.07	0.0034	0.2100	0.2134	3,824.38	0.1166	2,089.31
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	0.1030	0.1064	291.27	(0.0253)	(69.27)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.07	0.0034	0.1030	0.1064	1,262.16	(0.0064)	(75.91)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.09	0.0034	0.1030	0.1064	1,741.54	0.0196	321.45
Average Monthly Bill ($)							6,471.17				7,867.76		1,396.59
												Percentage Change	**21.6%**

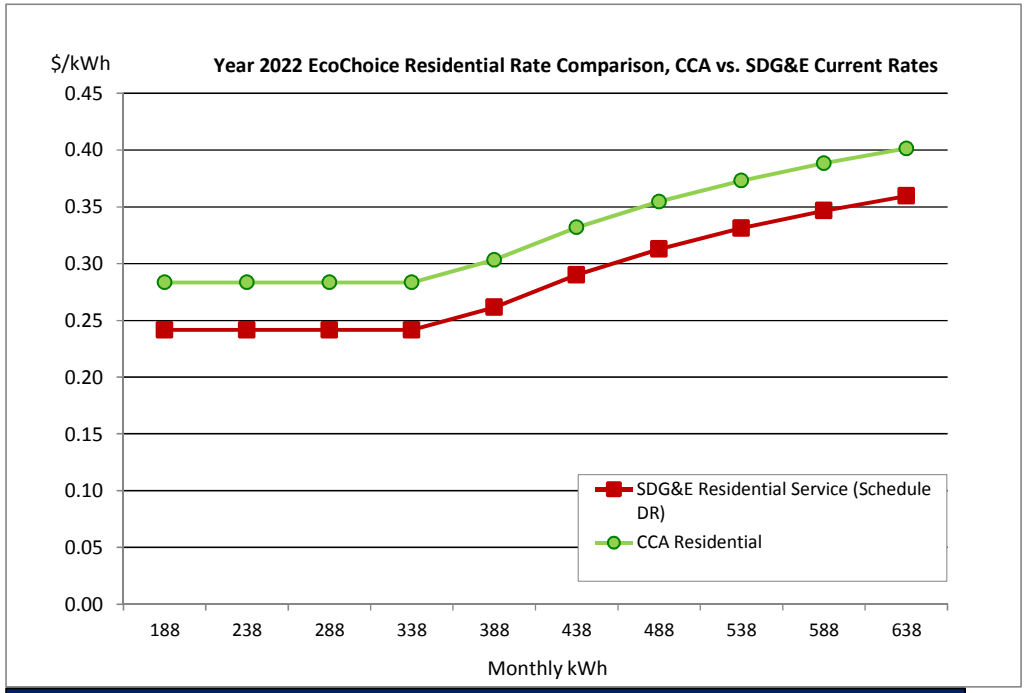


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	0.2300	0.3065	109.98	0.0529	18.98
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	0.2300	0.5870	26.38	0.0529	2.38
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	0.1144	0.2584	93.24	0.0299	10.80
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	0.1144	0.5176	6.30	0.0299	0.36
Average Monthly Bill ($)							102.22				118.68		16.46
												Percentage Change	**16.1%**

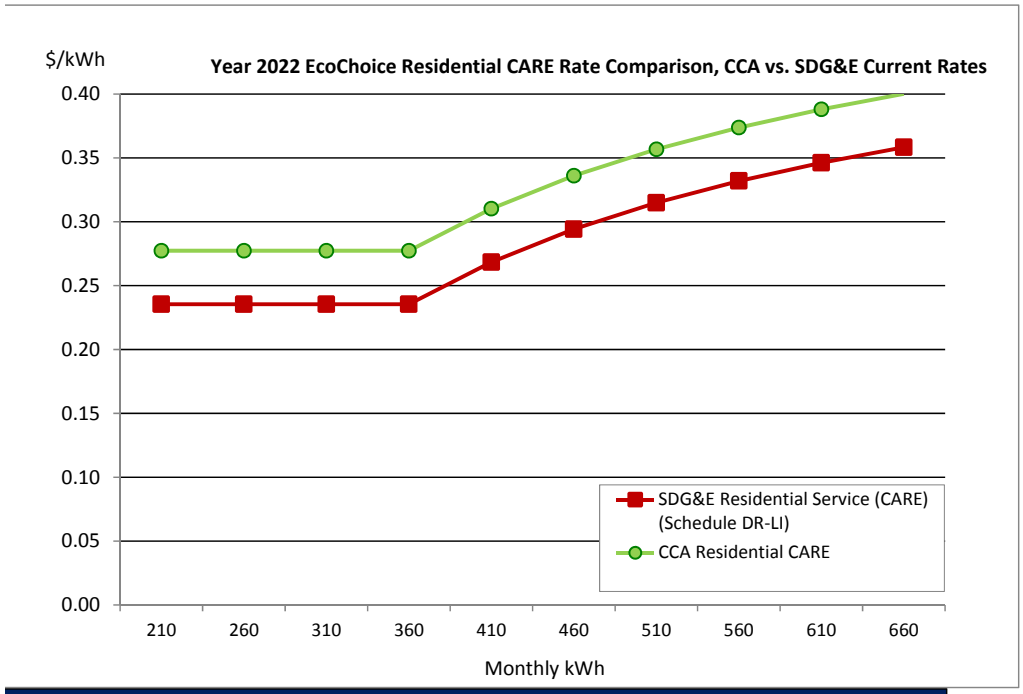


Sensitivity 4 - Low PCIA

Scenario: Sensitivity 4 - Low PCIA

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	0.2200	0.2959	106.18	0.0484	17.36
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	0.2200	0.5764	38.67	0.0484	3.25
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	0.1138	0.2572	92.80	0.0348	12.57
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.71	0.4026	0.1138	0.5164	16.85	0.0348	1.14
Average Monthly Bill ($)							110.66				127.95		17.29
												Percentage Change	**15.6%**



Sensitivity 4 - Low PCIA

PRO FORMA OUTPUTS

SENSITIVITY 5

HIGH OPT OUT

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	7,798,651
4	Total Non-Operating Expenses		22,646,923
5	Power Costs		627,179,553
6	Contingency/Rate Stabilization Fund		67,239,439
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**724,864,565**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	159,156
10	Total Non-Operating Expenses		462,182
11	Power Costs		15,878,295
12	Contingency/Rate Stabilization Fund		1,372,233
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**17,871,867**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**742,736,433**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	139	52,217	31,403
3	Outdoor Lighting Small <20kW	309	22,358	6,028
4	Commercial/Industrial Small <20kW	35,864	611,971	1,422
5	Commercial/Industrial Large >20kW	6,871	2,692,808	32,660
6	Residential	304,551	1,419,285	388
7	Residential CARE	82,520	405,659	410
8	Residential Outdoor Lighting	879	1,625	154
9	**TOTAL BASELOAD**	**431,133**	**5,205,923**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	623	10,624	1,422
14	Commercial/Industrial Large >20kW	81	31,873	32,660
15	Residential	13,679	63,746	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**14,383**	**106,243**	**34,471**
19	**TOTAL CCA**	**445,515**	**5,312,166**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Sensitivity 5 - High Opt Out**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1700	0.0563	0.2000	0.0863
2	Outdoor Lighting Small <20kW	0.1400	0.0635	0.1700	0.0935
3	Commercial/Industrial Small <20kW	0.1800	0.0804	0.2100	0.1104
4	Commercial/Industrial Large >20kW	0.1900	0.0719	0.2200	0.1019
5	Residential	0.2100	0.0885	0.2400	0.1185
6	Residential CARE	0.2000	0.0879	0.2300	0.1179
7	Residential Outdoor Lighting	0.1400	0.0582	0.1700	0.0882

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Sensitivity 5 - High Opt Out with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	37,738	52,339	52,247	52,187	52,216
2	Outdoor Lighting Small <20kW	14,279	22,409	22,370	22,335	22,368
3	Commercial/Industrial Small <20kW	94,870	613,286	612,287	611,512	612,114
4	Commercial/Industrial Large >20kW	1,859,171	2,698,662	2,694,248	2,690,877	2,693,299
5	Residential	-	973,612	1,420,064	1,418,276	1,419,515
6	Residential CARE	-	278,287	405,882	405,371	405,725
7	Residential Outdoor Lighting	-	1,097	1,626	1,624	1,626
8	Total	2,006,058	4,639,692	5,208,724	5,202,182	5,206,863
	Sensitivity 5 - High Opt Out with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,720	10,647	10,630	10,617	10,626
12	Commercial/Industrial Large >20kW	21,922	31,941	31,890	31,850	31,879
13	Residential	-	43,765	63,780	63,700	63,758
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	23,642	86,354	106,300	106,167	106,263
17	**Total MWh**	**2,029,700**	**4,726,046**	**5,315,025**	**5,308,349**	**5,313,126**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 4,548,319	$ 6,308,181	$ 6,297,111	$ 6,289,804	$ 6,293,378
20	Outdoor Lighting Small <20kW	1,407,289	2,208,515	2,204,690	2,201,263	2,204,561
21	Commercial/Industrial Small <20kW	12,532,529	81,016,462	80,884,520	80,782,168	80,861,626
22	Commercial/Industrial Large >20kW	249,139,346	361,635,832	361,044,295	360,592,509	360,917,080
23	Residential	-	147,655,274	215,362,966	215,091,870	215,279,674
24	Residential CARE	-	40,677,518	59,328,157	59,253,483	59,305,287
25	Residential Outdoor Lighting	-	108,172	160,300	160,085	160,277
26	Total	267,627,482	639,609,953	725,282,039	724,371,181	725,021,883
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	187,517	1,160,655	1,158,790	1,157,335	1,158,376
30	Commercial/Industrial Large >20kW	2,536,172	3,695,372	3,689,436	3,684,802	3,688,118
31	Residential	-	5,459,923	7,956,914	7,946,920	7,954,071
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 2,723,689	$ 10,315,950	$ 12,805,140	$ 12,789,057	$ 12,800,565
35	**TOTAL RATE REVENUE**	**$ 270,351,172**	**$ 649,925,903**	**$ 738,087,179**	**$ 737,160,238**	**$ 737,822,448**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 202,763,379**	**$ 609,192,712**	**$ 723,393,633**	**$ 737,314,728**	**$ 737,712,080**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Anal

Estimated Revenue by Rate Class

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Sensitivity 5 - High Opt Out with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	51,964	51,937	51,897	51,961	51,798	51,799
2	Outdoor Lighting Small <20kW	22,249	22,236	22,220	22,264	22,176	22,177
3	Commercial/Industrial Small <20kW	608,955	608,600	608,111	609,157	607,036	607,067
4	Commercial/Industrial Large >20kW	2,679,578	2,678,073	2,676,004	2,680,353	2,671,193	2,671,316
5	Residential	1,412,447	1,411,611	1,410,507	1,412,756	1,408,055	1,408,194
6	Residential CARE	403,704	403,465	403,150	403,793	402,448	402,488
7	Residential Outdoor Lighting	1,617	1,616	1,615	1,618	1,612	1,612
8	Total	5,180,514	5,177,538	5,173,505	5,181,902	5,164,319	5,164,654
	Sensitivity 5 - High Opt Out with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	10,572	10,566	10,558	10,575	10,539	10,540
12	Commercial/Industrial Large >20kW	31,717	31,699	31,675	31,726	31,618	31,620
13	Residential	63,435	63,398	63,349	63,452	63,237	63,241
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	105,725	105,664	105,582	105,753	105,394	105,401
17	**Total MWh**	**5,286,239**	**5,283,203**	**5,279,087**	**5,287,655**	**5,269,713**	**5,270,055**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,262,950	$ 6,259,660	$ 6,254,938	$ 6,262,627	$ 6,242,961	$ 6,243,095
20	Outdoor Lighting Small <20kW	2,192,780	2,191,531	2,189,934	2,194,273	2,185,603	2,185,716
21	Commercial/Industrial Small <20kW	80,444,291	80,397,434	80,332,881	80,470,971	80,190,844	80,194,961
22	Commercial/Industrial Large >20kW	359,078,409	358,876,777	358,599,503	359,182,228	357,954,722	357,971,248
23	Residential	214,207,844	214,081,013	213,913,648	214,254,660	213,541,786	213,562,891
24	Residential CARE	59,009,811	58,974,917	58,928,818	59,022,833	58,826,283	58,832,011
25	Residential Outdoor Lighting	159,423	159,331	159,211	159,519	158,918	158,926
26	Total	721,355,506	720,940,662	720,378,932	721,547,111	719,101,117	719,148,848
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,152,514	1,151,852	1,150,955	1,152,823	1,148,911	1,148,986
30	Commercial/Industrial Large >20kW	3,669,454	3,667,346	3,664,489	3,670,437	3,657,982	3,658,220
31	Residential	7,913,819	7,909,274	7,903,113	7,915,940	7,889,080	7,889,592
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 12,735,788	$ 12,728,473	$ 12,718,558	$ 12,739,200	$ 12,695,973	$ 12,696,797
35	**TOTAL RATE REVENUE**	**$ 734,091,294**	**$ 733,669,136**	**$ 733,097,490**	**$ 734,286,311**	**$ 731,797,090**	**$ 731,845,645**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 734,713,153**	**$ 733,739,495**	**$ 733,192,764**	**$ 734,088,174**	**$ 732,211,960**	**$ 731,837,553**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Sensitivity 5 - High Opt Out with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	51,780	51,947	51,899	51,949	51,971
2	Outdoor Lighting Small <20kW	22,171	22,262	22,224	22,243	22,252
3	Commercial/Industrial Small <20kW	606,865	608,976	608,251	608,828	609,094
4	Commercial/Industrial Large >20kW	2,670,455	2,679,586	2,676,577	2,679,124	2,680,212
5	Residential	1,407,790	1,412,392	1,411,041	1,412,369	1,412,801
6	Residential CARE	402,372	403,689	403,300	403,680	403,805
7	Residential Outdoor Lighting	1,612	1,618	1,615	1,617	1,618
8	Total	5,163,044	5,180,470	5,174,908	5,179,810	5,181,753
	Sensitivity 5 - High Opt Out with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	10,537	10,572	10,561	10,571	10,575
12	Commercial/Industrial Large >20kW	31,610	31,717	31,683	31,713	31,725
13	Residential	63,221	63,434	63,366	63,426	63,450
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	105,368	105,724	105,610	105,710	105,750
17	**Total MWh**	**5,268,413**	**5,286,194**	**5,280,518**	**5,285,520**	**5,287,503**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 6,240,831	$ 6,260,909	$ 6,255,143	$ 6,261,161	$ 6,263,800
20	Outdoor Lighting Small <20kW	2,185,058	2,194,119	2,190,354	2,192,170	2,193,099
21	Commercial/Industrial Small <20kW	80,168,183	80,447,131	80,351,344	80,427,548	80,462,757
22	Commercial/Industrial Large >20kW	357,855,905	359,079,476	358,676,203	359,017,570	359,163,386
23	Residential	213,501,602	214,199,493	213,994,563	214,195,979	214,261,524
24	Residential CARE	58,815,065	59,007,588	58,950,837	59,006,338	59,024,570
25	Residential Outdoor Lighting	158,876	159,477	159,243	159,389	159,460
26	Total	718,925,519	721,348,193	720,577,686	721,260,156	721,528,597
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,148,628	1,152,505	1,151,267	1,152,358	1,152,790
30	Commercial/Industrial Large >20kW	3,657,080	3,669,423	3,665,483	3,668,955	3,670,332
31	Residential	7,887,133	7,913,753	7,905,256	7,912,744	7,915,713
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 12,692,841	$ 12,735,680	$ 12,722,006	$ 12,734,057	$ 12,738,835
35	**TOTAL RATE REVENUE**	**$ 731,618,359**	**$ 734,083,873**	**$ 733,299,692**	**$ 733,994,213**	**$ 734,267,432**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 731,656,240**	**$ 733,672,954**	**$ 733,430,389**	**$ 733,878,459**	**$ 734,221,895**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 202,763,379	$ 609,192,712	$ 723,393,633	$ 737,314,728	$ 737,712,080	$ 734,713,153	$ 733,739,495	$ 733,192,764
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 202,763,379	$ 609,192,712	$ 723,393,633	$ 737,314,728	$ 737,712,080	$ 734,713,153	$ 733,739,495	$ 733,192,764
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		156,205,647	358,095,580	392,460,451	394,231,823	387,491,525	384,995,745	376,078,863	374,900,538
7	SDG&E Service Charges		3,056,602	4,729,926	4,637,669	4,724,465	4,823,217	4,895,085	4,990,041	5,085,856
8	SDG&E CRS Charges		68,034,958	180,464,166	211,306,894	216,926,853	221,837,233	218,877,901	217,737,067	217,910,375
9	SDG&E Power Franchise Charges		9,028,686	20,697,925	22,684,214	22,786,599	22,397,010	22,252,754	21,737,358	21,669,251
10	ESP Charges		193,639	5,569,144	8,023,649	8,013,544	8,020,632	7,980,533	7,975,824	7,969,578
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		96,796	521,897	700,486	706,917	714,797	721,143	730,058	739,076
15	Uncollectable Accounts		381,195	1,145,282	1,359,980	1,386,152	1,386,899	1,381,261	1,379,430	1,378,402
16	**Total Operating Expenses**		$ 239,576,515	$ 575,781,554	$ 646,896,430	$ 654,647,485	$ 652,695,286	$ 647,286,647	$ 636,974,287	$ 636,166,945
17	Contingency/Rate Stabilization Fund		25,342,675	60,753,270	68,169,459	68,960,271	68,705,287	68,142,294	67,031,995	66,940,813
18	**Total Operating Expenses & Contin/Rate Stab**		$ 264,919,190	$ 636,534,824	$ 715,065,889	$ 723,607,756	$ 721,400,573	$ 715,428,941	$ 704,006,281	$ 703,107,757
19	**Net Operating Revenues**		$ (62,155,811)	$ (27,342,112)	$ 8,327,744	$ 13,706,972	$ 16,311,507	$ 19,284,212	$ 29,733,214	$ 30,085,007
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		1,903,843	2,757,333	2,497,526	2,401,884	2,344,754	2,314,939	2,352,385	2,444,088
22	Total Non-Operating Revenues (Expenses)		$ 1,603,843	$ 2,757,333	$ 2,497,526	$ 2,401,884	$ 2,254,538	$ 2,314,939	$ 2,352,385	$ 2,419,823
23	**Net Operating Income**		$ (60,551,968)	$ (24,584,779)	$ 10,825,270	$ 16,108,857	$ 18,566,046	$ 21,599,151	$ 32,085,599	$ 32,504,830
	Debt Service	[3]								
24	Borrowing 1		$ 15,382,696	$ 15,382,696	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 15,382,696	$ 15,382,696	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
29	**Debt Service Coverage (Target=1.25)**		(3.94)	(1.60)	0.47	0.70	0.80	0.94	1.39	1.41
30	**Margin (Loss) Before Capital Contributions and Transfers**		$ (75,934,664)	$ (39,967,475)	$ (12,253,763)	$ (6,970,177)	$ (4,512,988)	$ (1,479,882)	$ 9,006,566	$ 9,425,797
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (75,934,664)	$ (39,967,475)	$ (12,253,763)	$ (6,970,177)	$ (4,512,988)	$ (1,479,882)	$ 9,006,566	$ 9,425,797

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 258,633,976	$ 234,049,197	$ 221,795,434	$ 214,825,258	$ 210,312,270	$ 208,832,388	$ 217,838,954
35	Deposit/(Withdrawal) from Operations	$ (75,934,664)	$ (39,967,475)	$ (12,253,763)	$ (6,970,177)	$ (4,512,988)	$ (1,479,882)	$ 9,006,566	$ 9,425,797
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 373,030,369	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (23,079,033)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (30,765,391)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	15,382,696	15,382,696	-	-	-	-	-	-
41	Ending Year Balance	$ 258,633,976	$ 234,049,197	$ 221,795,434	$ 214,825,258	$ 210,312,270	$ 208,832,388	$ 217,838,954	$ 227,264,750
42	Targeted Working Capital Balance	$ 93,182,950	$ 226,717,181	$ 256,295,428	$ 259,834,770	$ 259,949,258	$ 257,680,853	$ 254,020,378	$ 253,810,554
43	Surplus/(Deficiency)	$ 165,451,027	$ 7,332,017	$ (34,499,994)	$ (45,009,512)	$ (49,636,988)	$ (48,848,465)	$ (36,181,424)	$ (26,545,803)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	1%	-5%	-6%	-7%	-7%	-5%	-4%
45	% Surplus/(Deficiency) to Target	178%	3%	-13%	-17%	-19%	-19%	-14%	-10%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 258,633,976	$ 234,049,197	$ 221,795,434	$ 214,825,258	$ 210,312,270	$ 208,832,388	$ 217,838,954
47	Total Operating Revenues	202,763,379	609,192,712	723,393,633	737,314,728	737,712,080	734,713,153	733,739,495	733,192,764
48	Total Operating Expenses	(239,576,515)	(575,781,554)	(646,896,430)	(654,647,485)	(652,695,286)	(647,286,647)	(636,974,287)	(636,166,945)
49	Contingency/Rate Stabilization Fund	(25,342,675)	(60,753,270)	(68,169,459)	(68,960,271)	(68,705,287)	(68,142,294)	(67,031,995)	(66,940,813)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	319,185,944	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	15,382,696	15,382,696	-	-	-	-	-	-
54	Total Debt Service	(15,382,696)	(15,382,696)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)
55	Total Funds	$ 256,730,133	$ 231,291,864	$ 219,297,908	$ 212,423,373	$ 207,967,516	$ 206,517,449	$ 215,486,568	$ 224,820,662
56	Average Annual Balance	$ 171,153,422	$ 244,962,920	$ 226,673,553	$ 217,109,404	$ 211,396,387	$ 208,414,859	$ 212,159,478	$ 221,329,808
57	Annual Interest Earnings, All Funds	$ 1,903,843	$ 2,757,333	$ 2,497,526	$ 2,401,884	$ 2,344,754	$ 2,314,939	$ 2,352,385	$ 2,444,088
	Year Ending Balance, with Interest	$ 258,633,976	$ 234,049,197	$ 221,795,434	$ 214,825,258	$ 210,312,270	$ 208,832,388	$ 217,838,954	$ 227,264,750
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
59	Deposit from Bond Proceeds	$ 23,079,033	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
62	Average Annual Balance	$ 11,539,517	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
63	Annual Interest Earnings, to Operating Fund	$ 115,395	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 15,382,696	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 30,765,391	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (15,382,696)	$ (15,382,696)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 15,382,696	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 7,691,348	$ 7,691,348	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 76,913	$ 76,913	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 734,088,174	$ 732,211,960	$ 731,837,553	$ 731,656,240	$ 733,672,954	$ 733,430,389	$ 733,878,459	$ 734,221,895
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 734,088,174	$ 732,211,960	$ 731,837,553	$ 731,656,240	$ 733,672,954	$ 733,430,389	$ 733,878,459	$ 734,221,895
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		374,986,687	371,632,446	368,810,966	360,106,349	359,873,860	361,670,538	353,961,922	352,543,442
7	SDG&E Service Charges		5,195,908	5,282,098	5,388,240	5,494,397	5,622,746	5,729,555	5,849,652	5,968,562
8	SDG&E CRS Charges		220,101,463	221,366,651	222,798,860	223,894,588	225,584,614	226,348,309	227,652,476	229,066,249
9	SDG&E Power Franchise Charges		21,674,230	21,480,355	21,317,274	20,814,147	20,800,709	20,904,557	20,458,999	20,377,011
10	ESP Charges		7,982,383	7,955,682	7,956,420	7,954,093	7,980,294	7,972,438	7,979,949	7,982,513
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		749,428	758,100	768,567	779,264	791,484	802,185	813,785	825,226
15	Uncollectable Accounts		1,380,086	1,376,558	1,375,855	1,375,514	1,379,305	1,378,849	1,379,692	1,380,337
16	**Total Operating Expenses**		$ 638,757,341	$ 636,717,684	$ 635,465,968	$ 627,657,720	$ 629,467,304	$ 632,441,486	$ 625,938,059	$ 626,197,444
17	Contingency/Rate Stabilization Fund		67,200,616	66,966,909	66,816,721	65,958,715	66,137,612	66,450,961	65,732,268	65,745,630
18	**Total Operating Expenses & Contin/Rate Stab**		$ 705,957,957	$ 703,684,594	$ 702,282,688	$ 693,616,435	$ 695,604,916	$ 698,892,446	$ 691,670,327	$ 691,943,074
19	**Net Operating Revenues**		$ 28,130,217	$ 28,527,367	$ 29,554,865	$ 38,039,805	$ 38,068,038	$ 34,537,943	$ 42,208,132	$ 42,278,821
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		2,528,153	2,605,391	2,689,846	2,822,708	3,000,176	3,161,909	3,346,321	3,571,282
22	Total Non-Operating Revenues (Expenses)		$ 2,419,929	$ 2,605,391	$ 2,446,007	$ 2,822,708	$ 2,898,549	$ 3,161,909	$ 3,316,882	$ 3,571,282
23	**Net Operating Income**		$ 30,550,146	$ 31,132,758	$ 32,000,872	$ 40,862,514	$ 40,966,587	$ 37,699,852	$ 45,525,014	$ 45,850,103
	Debt Service	[3]								
24	Borrowing 1		$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
29	**Debt Service Coverage (Target=1.25)**		1.32	1.35	1.39	1.77	1.78	1.63	1.97	1.99
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 7,471,112	$ 8,053,724	$ 8,921,839	$ 17,783,480	$ 17,887,554	$ 14,620,819	$ 22,445,980	$ 22,771,070
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 7,471,112	$ 8,053,724	$ 8,921,839	$ 17,783,480	$ 17,887,554	$ 14,620,819	$ 22,445,980	$ 22,771,070

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 227,264,750	$ 234,735,863	$ 242,789,587	$ 251,711,426	$ 269,494,906	$ 287,382,460	$ 302,003,279	$ 324,449,259
35	Deposit/(Withdrawal) from Operations	$ 7,471,112	$ 8,053,724	$ 8,921,839	$ 17,783,480	$ 17,887,554	$ 14,620,819	$ 22,445,980	$ 22,771,070
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 234,735,863	$ 242,789,587	$ 251,711,426	$ 269,494,906	$ 287,382,460	$ 302,003,279	$ 324,449,259	$ 347,220,329
42	Targeted Working Capital Balance	$ 255,074,241	$ 254,604,449	$ 254,438,085	$ 251,978,591	$ 252,908,145	$ 254,087,724	$ 252,112,526	$ 252,467,139
43	Surplus/(Deficiency)	$ (20,338,378)	$ (11,814,862)	$ (2,726,660)	$ 17,516,315	$ 34,474,315	$ 47,915,554	$ 72,336,733	$ 94,753,190
44	Ratio of Surplus/(Deficiency) to Revenues	-3%	-2%	0%	2%	5%	7%	10%	13%
45	% Surplus/(Deficiency) to Target	-8%	-5%	-1%	7%	14%	19%	29%	38%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 227,264,750	$ 234,735,863	$ 242,789,587	$ 251,711,426	$ 269,494,906	$ 287,382,460	$ 302,003,279	$ 324,449,259
47	Total Operating Revenues	734,088,174	732,211,960	731,837,553	731,656,240	733,672,954	733,430,389	733,878,459	734,221,895
48	Total Operating Expenses	(638,757,341)	(636,717,684)	(635,465,968)	(627,657,720)	(629,467,304)	(632,441,486)	(625,938,059)	(626,197,444)
49	Contingency/Rate Stabilization Fund	(67,200,616)	(66,966,909)	(66,816,721)	(65,958,715)	(66,137,612)	(66,450,961)	(65,732,268)	(65,745,630)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)	(23,079,033)
55	Total Funds	$ 232,207,710	$ 240,184,196	$ 249,021,579	$ 266,672,198	$ 284,382,283	$ 298,841,369	$ 321,102,937	$ 343,649,047
56	Average Annual Balance	$ 229,736,230	$ 237,460,030	$ 245,905,583	$ 259,191,812	$ 276,938,595	$ 293,111,914	$ 311,553,108	$ 334,049,153
57	Annual Interest Earnings, All Funds	$ 2,528,153	$ 2,605,391	$ 2,689,846	$ 2,822,708	$ 3,000,176	$ 3,161,909	$ 3,346,321	$ 3,571,282
	Year Ending Balance, with Interest	$ 234,735,863	$ 242,789,587	$ 251,711,426	$ 269,494,906	$ 287,382,460	$ 302,003,279	$ 324,449,259	$ 347,220,329
	Bond Reserve Fund								
58	Beginning Year Balance	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
62	Average Annual Balance	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
63	Annual Interest Earnings, to Operating Fund	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790	$ 230,790
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ (0)	$ (0)	$ (0)
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,029,700	4,726,046	5,315,025	5,308,349	5,313,126
2	Customer Accounts	10,758	319,494	445,758	445,197	445,591
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	156,205,647	358,095,580	392,460,451	394,231,823	387,491,525
5	SDG&E Service Charges	3,056,602	4,729,926	4,637,669	4,724,465	4,823,217
6	SDG&E CRS Charges	68,034,958	180,464,166	211,306,894	216,926,853	221,837,233
7	SDG&E Power Franchise Charges	9,028,686	20,697,925	22,684,214	22,786,599	22,397,010
8	ESP Charges	193,639	5,569,144	8,023,649	8,013,544	8,020,632
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	96,796	521,897	700,486	706,917	714,797
13	Uncollectable Accounts	$ 381,195	$ 1,145,282	$ 1,359,980	$ 1,386,152	$ 1,386,899
14	**Total Operating Expenses**	$ 239,576,515	$ 575,781,554	$ 646,896,430	$ 654,647,485	$ 652,695,286
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	15,382,696	15,382,696	23,079,033	23,079,033	23,079,033
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 15,682,696	$ 15,382,696	$ 23,079,033	$ 23,079,033	$ 23,169,249
19	**Total Operating & Non-Operating Expenses**	**$ 255,259,210**	**$ 591,164,250**	**$ 669,975,463**	**$ 677,726,519**	**$ 675,864,535**
20	Contingency/Rate Stabilization Fund	$ 25,342,675	$ 60,753,270	$ 68,169,459	$ 68,960,271	$ 68,705,287
21	**Total Expenses Incl. Contingency**	$ 280,601,885	$ 651,917,520	$ 738,144,922	$ 746,686,789	$ 744,569,822

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,286,239	5,283,203	5,279,087	5,287,655	5,269,713	5,270,055
2	Customer Accounts	443,363	443,101	442,754	443,466	441,982	442,023
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	384,995,745	376,078,863	374,900,538	374,986,687	371,632,446	368,810,966
5	SDG&E Service Charges	4,895,085	4,990,041	5,085,856	5,195,908	5,282,098	5,388,240
6	SDG&E CRS Charges	218,877,901	217,737,067	217,910,375	220,101,463	221,366,651	222,798,860
7	SDG&E Power Franchise Charges	22,252,754	21,737,358	21,669,251	21,674,230	21,480,355	21,317,274
8	ESP Charges	7,980,533	7,975,824	7,969,578	7,982,383	7,955,682	7,956,420
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	721,143	730,058	739,076	749,428	758,100	768,567
13	Uncollectable Accounts	$ 1,381,261	$ 1,379,430	$ 1,378,402	$ 1,380,086	$ 1,376,558	$ 1,375,855
14	**Total Operating Expenses**	$ 647,286,647	$ 636,974,287	$ 636,166,945	$ 638,757,341	$ 636,717,684	$ 635,465,968
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	23,079,033	23,079,033	23,079,033	23,079,033	23,079,033	23,079,033
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 23,079,033	$ 23,079,033	$ 23,103,298	$ 23,187,257	$ 23,079,033	$ 23,322,872
19	**Total Operating & Non-Operating Expenses**	**$ 670,365,680**	**$ 660,053,320**	**$ 659,270,243**	**$ 661,944,598**	**$ 659,796,717**	**$ 658,788,840**
20	Contingency/Rate Stabilization Fund	$ 68,142,294	$ 67,031,995	$ 66,940,813	$ 67,200,616	$ 66,966,909	$ 66,816,721
21	**Total Expenses Incl. Contingency**	$ 738,507,974	$ 727,085,315	$ 726,211,056	$ 729,145,214	$ 726,763,627	$ 725,605,561

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 5 - High Opt Out

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,268,413	5,286,194	5,280,518	5,285,520	5,287,503
2	Customer Accounts	441,894	443,350	442,913	443,331	443,473
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	360,106,349	359,873,860	361,670,538	353,961,922	352,543,442
5	SDG&E Service Charges	5,494,397	5,622,746	5,729,555	5,849,652	5,968,562
6	SDG&E CRS Charges	223,894,588	225,584,614	226,348,309	227,652,476	229,066,249
7	SDG&E Power Franchise Charges	20,814,147	20,800,709	20,904,557	20,458,999	20,377,011
8	ESP Charges	7,954,093	7,980,294	7,972,438	7,979,949	7,982,513
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	779,264	791,484	802,185	813,785	825,226
13	Uncollectable Accounts	$ 1,375,514	$ 1,379,305	$ 1,378,849	$ 1,379,692	$ 1,380,337
14	**Total Operating Expenses**	$ 627,657,720	$ 629,467,304	$ 632,441,486	$ 625,938,059	$ 626,197,444
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	23,079,033	23,079,033	23,079,033	23,079,033	23,079,033
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 23,079,033	$ 23,180,661	$ 23,079,033	$ 23,108,473	$ 23,079,033
19	**Total Operating & Non-Operating Expenses**	**$ 650,736,753**	**$ 652,647,965**	**$ 655,520,519**	**$ 649,046,532**	**$ 649,276,478**
20	Contingency/Rate Stabilization Fund	$ 65,958,715	$ 66,137,612	$ 66,450,961	$ 65,732,268	$ 65,745,630
21	**Total Expenses Incl. Contingency**	$ 716,695,468	$ 718,785,577	$ 721,971,479	$ 714,778,800	$ 715,022,107

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 5 - High Opt Out**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 190,817	$ 5,569,144	$ 7,764,623	$ 7,754,843	$ 7,761,698	$ 7,722,910
2		Opt-up to 100%	$ 2,821	$ -	$ 259,027	$ 258,701	$ 258,934	$ 257,624
3		**Total Projected ESP Costs**	$ 193,639	$ 5,569,144	$ 8,023,649	$ 8,013,544	$ 8,020,632	$ 7,980,533
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	127,212	3,712,763	5,176,415	5,169,895	5,174,465	5,148,607
4		Opt-up to 100%	1,881		172,684	172,467	172,623	171,749
5		**Total Customer Accounts Billing Determinants**	129,093	3,712,763	5,349,100	5,342,363	5,347,088	5,320,356
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,006,058	4,639,692	5,208,724	5,202,182	5,206,863	5,180,514
6		Opt-up to 100%	23,642	86,354	106,300	106,167	106,263	105,725
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,029,700	4,726,046	5,315,025	5,308,349	5,313,126	5,286,239
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 5 - High Opt Out**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 7,718,349	$ 7,712,303	$ 7,724,690	$ 7,698,864	$ 7,699,585	$ 7,697,339
2		Opt-up to 100%	$ 257,476	$ 257,275	$ 257,693	$ 256,818	$ 256,835	$ 256,755
3		**Total Projected ESP Costs**	$ 7,975,824	$ 7,969,578	$ 7,982,383	$ 7,955,682	$ 7,956,420	$ 7,954,093
		Customer Accounts Billing Determinants						
4		Baseload	5,145,566	5,141,535	5,149,793	5,132,576	5,133,057	5,131,559
4		Opt-up to 100%	171,650	171,517	171,795	171,212	171,223	171,170
5		**Total Customer Accounts Billing Determinants**	5,317,216	5,313,052	5,321,589	5,303,788	5,304,280	5,302,729
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,177,538	5,173,505	5,181,902	5,164,319	5,164,654	5,163,044
6		Opt-up to 100%	105,664	105,582	105,753	105,394	105,401	105,368
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,283,203	5,279,087	5,287,655	5,269,713	5,270,055	5,268,413
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 5 - High Opt Out**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 7,722,672	$ 7,715,094	$ 7,722,361	$ 7,724,828	$ 113,900,118
2		Opt-up to 100%	$ 257,622	$ 257,345	$ 257,589	$ 257,685	$ 3,610,199
3		**Total Projected ESP Costs**	$ 7,980,294	$ 7,972,438	$ 7,979,949	$ 7,982,513	$ 117,510,317
		Customer Accounts Billing Determinants					
4		Baseload	5,148,448	5,143,396	5,148,240	5,149,885	75,933,412
4		Opt-up to 100%	171,748	171,563	171,726	171,790	2,406,799
5		**Total Customer Accounts Billing Determinants**	5,320,196	5,314,959	5,319,966	5,321,676	78,340,212
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,180,470	5,174,908	5,179,810	5,181,753	79,185,936
6		Opt-up to 100%	105,724	105,610	105,710	105,750	1,590,408
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,286,194	5,280,518	5,285,520	5,287,503	80,776,344
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 5 - High Opt Out

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 101,381,689	$ 202,913,808	$ 406,128,475	$ 704,360,146	$ 1,414,784,118
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 57,894,460	$ 63,311,775	$ 164,806,027	$ 238,628,777	$ 524,641,040
4	Power Procurement	$ 114,907,212	$ 122,082,584	$ 277,311,431	$ 392,460,451	$ 906,761,678
5	Total ESP Charges	$ 70,152	$ 379,691	$ 5,494,679	$ 8,023,649	$ 13,968,171
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,302,935	$ 1,976,100	$ 3,083,577	$ 5,672,924	$ 12,035,535
8	**Subtotal Expenses**	$ 174,797,884	$ 188,096,401	$ 451,119,047	$ 644,974,740	$ 1,458,988,071
9	Contingency	$ 5,989,067	$ 6,601,382	$ 17,380,762	$ 25,251,429	55,222,639
10	**Total Expenses**	$ 180,786,951	$ 194,697,783	$ 468,499,808	$ 670,226,169	$ 1,514,210,711
11	Cash Flow	$ (79,405,261)	$ 8,216,026	$ (62,371,334)	$ 34,133,977	$ (99,426,592)
12	Cumulative Cash Flow	$ (79,405,261)	$ (71,189,236)	$ (133,560,569)	$ (99,426,592)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 5 - High Opt Out

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	6,875	76	220,790	2,466	$ 588,000	$ 12,000
2	I	2020	Jun	7,449	79	234,513	2,577	$ -	$ -
3	I	2020	Jul	7,994	87	252,190	2,843	$ -	$ -
4	I	2020	Aug	7,694	86	242,940	2,813	$ -	$ -
5	I	2020	Sep	8,642	100	273,524	3,252	$ -	$ -
6	I	2020	Oct	7,600	86	240,016	2,810	$ -	$ -
7	II	2020	Nov	41,432	683	276,213	3,438	$ 294,000	$ 6,000
8	II	2020	Dec	39,525	684	265,870	3,443	$ -	$ -
9	II	2021	Jan	42,518	711	267,031	3,575	$ -	$ -
10	II	2021	Feb	41,851	664	268,723	3,339	$ -	$ -
11	II	2021	Mar	41,835	653	264,716	3,283	$ -	$ -
12	II	2021	Apr	41,933	639	265,069	3,215	$ -	$ -
13	III	2021	May	379,092	13,305	401,318	8,190	$ 294,000	$ 6,000
14	III	2021	Jun	388,269	13,897	419,178	8,555	$ -	$ -
15	III	2021	Jul	443,765	15,275	460,744	9,403	$ -	$ -
16	III	2021	Aug	460,355	15,233	459,487	9,377	$ -	$ -
17	III	2021	Sep	556,239	17,636	531,951	10,856	$ -	$ -
18	III	2021	Oct	468,830	15,192	458,225	9,352	$ -	$ -
19	III	2021	Nov	411,169	13,971	421,418	8,600	$ -	$ -
20	III	2021	Dec	436,907	13,985	421,831	8,609	$ -	$ -
21		2022	Jan	478,793	14,541	438,617	8,951	$ -	$ -
22		2022	Feb	399,058	13,547	408,620	8,339	$ -	$ -
23		2022	Mar	391,989	13,324	401,885	8,202	$ -	$ -
24		2022	Apr	367,925	12,980	391,515	7,990	$ -	$ -
25		2022	May	379,515	13,320	401,766	8,199	$ -	$ -
26		2022	Jun	387,200	13,859	418,024	8,531	$ -	$ -
27		2022	Jul	441,220	15,187	458,101	9,349	$ -	$ -
28		2022	Aug	460,642	15,243	459,773	9,383	$ -	$ -
29		2022	Sep	555,690	17,618	531,426	10,845	$ -	$ -
30		2022	Oct	467,290	15,142	456,721	9,321	$ -	$ -
31		2022	Nov	410,747	13,957	420,987	8,592	$ -	$ -
32		2022	Dec	436,347	13,967	421,289	8,598	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 5 - High Opt C

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,483,725	$ 7,523,357	$ 947,657	$ 9,827,617	$ 127,122
2	I	2020	Jun	$ 6,274	$ 7,941,827	$ 1,040,237	$ 8,885,397	$ 102,941
3	I	2020	Jul	$ 6,734	$ 8,555,895	$ 1,111,199	$ 9,560,563	$ 113,265
4	I	2020	Aug	$ 6,483	$ 8,255,960	$ 1,179,024	$ 9,327,636	$ 113,832
5	I	2020	Sep	$ 7,285	$ 9,300,870	$ 1,254,007	$ 10,432,550	$ 129,612
6	I	2020	Oct	$ 6,405	$ 8,158,009	$ 1,109,511	$ 9,161,604	$ 112,321
7	II	2020	Nov	$ 1,506,188	$ 9,324,811	$ 1,204,895	$ 11,870,507	$ 165,387
8	II	2020	Dec	$ 33,508	$ 8,974,230	$ 1,182,154	$ 10,053,027	$ 136,865
9	II	2021	Jan	$ 36,745	$ 9,099,399	$ 1,187,471	$ 10,180,716	$ 142,898
10	II	2021	Feb	$ 36,137	$ 9,146,722	$ 1,173,286	$ 10,222,762	$ 133,383
11	II	2021	Mar	$ 36,114	$ 9,010,575	$ 1,140,392	$ 10,056,581	$ 130,501
12	II	2021	Apr	$ 36,186	$ 9,014,787	$ 1,168,175	$ 10,090,865	$ 128,284
13	III	2021	May	$ 1,804,629	$ 16,080,412	$ 1,735,559	$ 19,171,737	$ 448,863
14	III	2021	Jun	$ 341,841	$ 16,704,383	$ 1,955,841	$ 18,556,988	$ 445,077
15	III	2021	Jul	$ 390,184	$ 18,486,626	$ 2,089,779	$ 20,478,832	$ 487,756
16	III	2021	Aug	$ 404,250	$ 18,567,869	$ 2,058,783	$ 20,546,659	$ 484,244
17	III	2021	Sep	$ 487,794	$ 21,667,073	$ 2,477,248	$ 24,071,114	$ 561,001
18	III	2021	Oct	$ 411,418	$ 18,590,064	$ 2,110,165	$ 20,628,046	$ 483,601
19	III	2021	Nov	$ 361,369	$ 16,954,008	$ 1,836,788	$ 18,708,836	$ 443,329
20	III	2021	Dec	$ 383,259	$ 17,142,247	$ 1,764,439	$ 18,849,586	$ 440,358
21		2022	Jan	$ 427,721	$ 18,079,987	$ 1,885,222	$ 19,929,755	$ 463,175
22		2022	Feb	$ 357,728	$ 16,515,962	$ 1,722,284	$ 18,166,432	$ 429,543
23		2022	Mar	$ 351,406	$ 16,236,817	$ 1,685,079	$ 17,849,861	$ 423,441
24		2022	Apr	$ 330,245	$ 15,714,018	$ 1,738,853	$ 17,367,824	$ 415,291
25		2022	May	$ 340,587	$ 16,188,702	$ 1,755,873	$ 17,861,257	$ 423,905
26		2022	Jun	$ 347,718	$ 16,751,750	$ 1,768,943	$ 18,428,804	$ 439,606
27		2022	Jul	$ 395,705	$ 18,483,986	$ 1,997,476	$ 20,393,366	$ 483,800
28		2022	Aug	$ 412,592	$ 18,684,292	$ 2,091,994	$ 20,702,467	$ 486,410
29		2022	Sep	$ 497,058	$ 21,768,373	$ 2,378,551	$ 24,081,112	$ 562,870
30		2022	Oct	$ 418,269	$ 18,633,839	$ 2,068,296	$ 20,637,333	$ 483,071
31		2022	Nov	$ 368,218	$ 17,031,968	$ 1,855,070	$ 18,810,010	$ 445,247
32		2022	Dec	$ 390,422	$ 17,217,201	$ 1,736,573	$ 18,902,889	$ 441,307
		Total		$ 12,424,197	$ 459,806,018	$ 52,410,825	$ 513,812,735	$ 10,828,304

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 5 - High Opt C

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 16,162,935	$ 232,521	$ 10,313	$ 113	$ 3,777	$ 77	$ 212,813	$ 4,343
2	I	2020	Jun	$ 17,736,959	$ 260,228	$ 11,174	$ 118	$ 3,777	$ 77	$ 212,813	$ 4,343
3	I	2020	Jul	$ 18,943,456	$ 281,446	$ 11,991	$ 131	$ 3,777	$ 77	$ 212,813	$ 4,343
4	I	2020	Aug	$ 20,089,390	$ 308,947	$ 11,540	$ 129	$ 3,777	$ 77	$ 212,813	$ 4,343
5	I	2020	Sep	$ 21,372,434	$ 323,197	$ 12,964	$ 149	$ 3,777	$ 77	$ 212,813	$ 4,343
6	I	2020	Oct	$ 18,911,222	$ 284,476	$ 11,400	$ 129	$ 3,777	$ 77	$ 212,813	$ 4,343
7	II	2020	Nov	$ 20,504,476	$ 341,465	$ 62,147	$ 1,025	$ 7,554	$ 154	$ 212,813	$ 4,343
8	II	2020	Dec	$ 20,098,135	$ 354,358	$ 59,288	$ 1,026	$ 7,554	$ 154	$ 212,813	$ 4,343
9	II	2021	Jan	$ 20,182,342	$ 362,133	$ 63,777	$ 1,066	$ 7,554	$ 154	$ 377,738	$ 7,709
10	II	2021	Feb	$ 19,961,905	$ 337,159	$ 62,776	$ 995	$ 7,554	$ 154	$ 377,738	$ 7,709
11	II	2021	Mar	$ 19,409,976	$ 319,994	$ 62,752	$ 979	$ 7,554	$ 154	$ 377,738	$ 7,709
12	II	2021	Apr	$ 19,888,420	$ 322,221	$ 62,900	$ 958	$ 7,554	$ 154	$ 377,738	$ 7,709
13	III	2021	May	$ 29,261,509	$ 765,457	$ 568,638	$ 19,957	$ 15,108	$ 308	$ 377,738	$ 7,709
14	III	2021	Jun	$ 32,917,983	$ 920,090	$ 582,404	$ 20,845	$ 15,108	$ 308	$ 377,738	$ 7,709
15	III	2021	Jul	$ 35,169,174	$ 986,169	$ 665,647	$ 22,912	$ 15,108	$ 308	$ 377,738	$ 7,709
16	III	2021	Aug	$ 34,673,362	$ 945,719	$ 690,533	$ 22,850	$ 15,108	$ 308	$ 377,738	$ 7,709
17	III	2021	Sep	$ 41,757,369	$ 1,101,600	$ 834,359	$ 26,454	$ 15,108	$ 308	$ 377,738	$ 7,709
18	III	2021	Oct	$ 35,553,033	$ 955,008	$ 703,244	$ 22,787	$ 15,108	$ 308	$ 377,738	$ 7,709
19	III	2021	Nov	$ 30,924,708	$ 853,622	$ 616,753	$ 20,957	$ 15,108	$ 308	$ 377,738	$ 7,709
20	III	2021	Dec	$ 29,731,071	$ 795,557	$ 655,361	$ 20,977	$ 15,108	$ 308	$ 377,738	$ 7,709
21		2022	Jan	$ 31,742,089	$ 874,212	$ 718,190	$ 21,812	$ 15,430	$ 315	$ 463,289	$ 9,455
22		2022	Feb	$ 29,016,715	$ 780,593	$ 598,587	$ 20,320	$ 15,430	$ 315	$ 463,289	$ 9,455
23		2022	Mar	$ 28,368,955	$ 784,655	$ 587,983	$ 19,985	$ 15,430	$ 315	$ 463,289	$ 9,455
24		2022	Apr	$ 29,271,510	$ 812,443	$ 551,888	$ 19,470	$ 15,430	$ 315	$ 463,289	$ 9,455
25		2022	May	$ 29,583,814	$ 794,620	$ 569,272	$ 19,980	$ 15,430	$ 315	$ 463,289	$ 9,455
26		2022	Jun	$ 29,802,904	$ 801,640	$ 580,800	$ 20,788	$ 15,430	$ 315	$ 463,289	$ 9,455
27		2022	Jul	$ 33,644,478	$ 913,925	$ 661,830	$ 22,781	$ 15,430	$ 315	$ 463,289	$ 9,455
28		2022	Aug	$ 35,261,809	$ 931,863	$ 690,962	$ 22,864	$ 15,430	$ 315	$ 463,289	$ 9,455
29		2022	Sep	$ 40,062,977	$ 1,088,432	$ 833,534	$ 26,427	$ 15,430	$ 315	$ 463,289	$ 9,455
30		2022	Oct	$ 34,859,900	$ 923,762	$ 700,936	$ 22,712	$ 15,430	$ 315	$ 463,289	$ 9,455
31		2022	Nov	$ 31,243,632	$ 851,008	$ 616,121	$ 20,935	$ 15,430	$ 315	$ 463,289	$ 9,455
32		2022	Dec	$ 29,266,603	$ 777,912	$ 654,520	$ 20,950	$ 15,430	$ 315	$ 463,289	$ 9,455
		Total		$ 885,375,246	$ 21,386,432	$ 13,524,584	$ 443,587	$ 374,014	$ 7,633	$ 11,794,825	$ 240,711

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 5 - High Opt C

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 26,805,455	$ 376,177	$ 1,064,252	$ 14,366	$ 27,869,707	$ 390,542	$ 28,260,250
2	I	2020	Jun	$ 26,850,121	$ 367,707	$ 911,316	$ 10,748	$ 27,761,437	$ 378,455	$ 28,139,891
3	I	2020	Jul	$ 28,732,600	$ 399,262	$ 978,914	$ 11,782	$ 29,711,514	$ 411,044	$ 30,122,558
4	I	2020	Aug	$ 29,645,156	$ 427,328	$ 955,577	$ 11,838	$ 30,600,733	$ 439,166	$ 31,039,899
5	I	2020	Sep	$ 32,034,538	$ 457,378	$ 1,066,210	$ 13,418	$ 33,100,748	$ 470,796	$ 33,571,544
6	I	2020	Oct	$ 28,300,815	$ 401,347	$ 938,959	$ 11,687	$ 29,239,775	$ 413,034	$ 29,652,809
7	II	2020	Nov	$ 32,951,498	$ 518,374	$ 1,244,702	$ 17,691	$ 34,196,200	$ 536,065	$ 34,732,265
8	II	2020	Dec	$ 30,430,817	$ 496,747	$ 1,033,268	$ 14,239	$ 31,464,086	$ 510,986	$ 31,975,071
9	II	2021	Jan	$ 30,812,127	$ 513,960	$ 1,062,979	$ 15,183	$ 31,875,106	$ 529,143	$ 32,404,249
10	II	2021	Feb	$ 30,632,736	$ 479,401	$ 1,067,083	$ 14,224	$ 31,699,819	$ 493,625	$ 32,193,444
11	II	2021	Mar	$ 29,914,601	$ 459,337	$ 1,050,463	$ 13,934	$ 30,965,063	$ 473,271	$ 31,438,334
12	II	2021	Apr	$ 30,427,477	$ 459,326	$ 1,053,906	$ 13,711	$ 31,481,383	$ 473,036	$ 31,954,419
13	III	2021	May	$ 49,688,730	$ 1,248,294	$ 2,042,722	$ 48,284	$ 51,731,452	$ 1,296,578	$ 53,028,030
14	III	2021	Jun	$ 52,450,221	$ 1,394,029	$ 1,953,224	$ 47,394	$ 54,403,445	$ 1,441,423	$ 55,844,868
15	III	2021	Jul	$ 56,706,500	$ 1,504,855	$ 2,153,733	$ 51,869	$ 58,860,232	$ 1,556,724	$ 60,416,956
16	III	2021	Aug	$ 56,303,400	$ 1,460,830	$ 2,163,004	$ 51,511	$ 58,466,404	$ 1,512,341	$ 59,978,744
17	III	2021	Sep	$ 67,055,688	$ 1,697,072	$ 2,529,832	$ 59,547	$ 69,585,520	$ 1,756,619	$ 71,342,139
18	III	2021	Oct	$ 57,277,170	$ 1,469,413	$ 2,172,414	$ 51,441	$ 59,449,584	$ 1,520,854	$ 60,970,438
19	III	2021	Nov	$ 50,643,143	$ 1,325,926	$ 1,971,843	$ 47,230	$ 52,614,987	$ 1,373,156	$ 53,988,143
20	III	2021	Dec	$ 49,628,865	$ 1,264,910	$ 1,989,779	$ 46,935	$ 51,618,645	$ 1,311,846	$ 52,930,490
21		2022	Jan	$ 52,868,752	$ 1,368,969	$ 2,112,666	$ 49,476	$ 54,981,419	$ 1,418,444	$ 56,399,863
22		2022	Feb	$ 48,260,453	$ 1,240,226	$ 1,924,374	$ 45,963	$ 50,184,827	$ 1,286,189	$ 51,471,015
23		2022	Mar	$ 47,285,518	$ 1,237,851	$ 1,891,656	$ 45,320	$ 49,177,174	$ 1,283,171	$ 50,460,345
24		2022	Apr	$ 47,669,941	$ 1,256,974	$ 1,839,843	$ 44,453	$ 49,509,784	$ 1,301,427	$ 50,811,211
25		2022	May	$ 48,493,062	$ 1,248,274	$ 1,890,925	$ 45,365	$ 50,383,987	$ 1,293,639	$ 51,677,626
26		2022	Jun	$ 49,291,227	$ 1,271,805	$ 1,948,832	$ 47,016	$ 51,240,059	$ 1,318,821	$ 52,558,880
27		2022	Jul	$ 55,178,393	$ 1,430,277	$ 2,153,391	$ 51,635	$ 57,331,785	$ 1,481,912	$ 58,813,696
28		2022	Aug	$ 57,133,957	$ 1,450,908	$ 2,187,215	$ 51,904	$ 59,321,172	$ 1,502,812	$ 60,823,984
29		2022	Sep	$ 65,456,343	$ 1,687,499	$ 2,539,337	$ 59,907	$ 67,995,679	$ 1,747,405	$ 69,743,085
30		2022	Oct	$ 56,676,887	$ 1,439,315	$ 2,181,699	$ 51,555	$ 58,858,586	$ 1,490,870	$ 60,349,456
31		2022	Nov	$ 51,148,482	$ 1,326,960	$ 1,990,485	$ 47,595	$ 53,138,967	$ 1,374,555	$ 54,513,522
32		2022	Dec	$ 49,302,731	$ 1,249,939	$ 2,003,613	$ 47,203	$ 51,306,344	$ 1,297,142	$ 52,603,485
		Total		$ 1,426,057,404	$ 32,930,667	$ 54,068,216	$ 1,154,424	$ 1,480,125,620	$ 34,085,091	$ 1,514,210,711

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 5 - High Opt C

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 319,185,944	$ -	$ 290,925,695	$ 290,925,695
2	I	2020	Jun	$ -	$ -	$ (28,139,891)	262,785,803
3	I	2020	Jul	$ -	$ 25,345,422	$ (4,777,136)	258,008,667
4	I	2020	Aug	$ -	$ 25,345,422	$ (5,694,476)	252,314,191
5	I	2020	Sep	$ -	$ 25,345,422	$ (8,226,122)	244,088,069
6	I	2020	Oct	$ -	$ 25,345,422	$ (4,307,386)	239,780,683
7	II	2020	Nov	$ -	$ 25,345,422	$ (9,386,843)	230,393,840
8	II	2020	Dec	$ -	$ 25,345,422	$ (6,629,649)	223,764,192
9	II	2021	Jan	$ -	$ 25,345,422	$ (7,058,827)	216,705,365
10	II	2021	Feb	$ -	$ 25,345,422	$ (6,848,021)	209,857,344
11	II	2021	Mar	$ -	$ 50,766,059	$ 19,327,725	229,185,069
12	II	2021	Apr	$ -	$ 50,766,059	$ 18,811,640	247,996,709
13	III	2021	May	$ -	$ 50,766,059	$ (2,261,971)	245,734,737
14	III	2021	Jun	$ -	$ 50,766,059	$ (5,078,808)	240,655,929
15	III	2021	Jul	$ -	$ 50,766,059	$ (9,650,897)	231,005,032
16	III	2021	Aug	$ -	$ 50,766,059	$ (9,212,685)	221,792,347
17	III	2021	Sep	$ -	$ 50,766,059	$ (20,576,079)	201,216,268
18	III	2021	Oct	$ -	$ 50,766,059	$ (10,204,378)	191,011,889
19	III	2021	Nov	$ -	$ 50,766,059	$ (3,222,083)	187,789,806
20	III	2021	Dec	$ -	$ 50,766,059	$ (2,164,431)	185,625,375
21		2022	Jan	$ -	$ 50,766,059	$ (5,633,804)	179,991,571
22		2022	Feb	$ -	$ 50,766,059	$ (704,956)	179,286,615
23		2022	Mar	$ -	$ 60,282,803	$ 9,822,458	189,109,073
24		2022	Apr	$ -	$ 60,282,803	$ 9,471,592	198,580,665
25		2022	May	$ -	$ 60,282,803	$ 8,605,176	207,185,841
26		2022	Jun	$ -	$ 60,282,803	$ 7,723,923	214,909,764
27		2022	Jul	$ -	$ 60,282,803	$ 1,469,106	216,378,871
28		2022	Aug	$ -	$ 60,282,803	$ (541,182)	215,837,689
29		2022	Sep	$ -	$ 60,282,803	$ (9,460,282)	206,377,407
30		2022	Oct	$ -	$ 60,282,803	$ (66,653)	206,310,754
31		2022	Nov	$ -	$ 60,282,803	$ 5,769,281	212,080,035
32		2022	Dec	$ -	$ 60,282,803	$ 7,679,317	219,759,352
		Total		$ 319,185,944	$ 1,414,784,118	$ 219,759,352	$ 7,056,444,649

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

254,724,580	Operating Costs, Average 5 Months for First Two Full Years
64,461,364	Average Annual Rate Stabilization Funding for First Two Full Years
319,185,944	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												**2020**	**2021**	**2022**	**2023**
2		**Annual Operating Funding Required**										319,185,944	-	-	-
3															
4		**Year**	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**Operating Proceeds Required**	**Issuance Costs**	**Bond Reserve Fund**	**Capitalized Interest**	**Total Debt Issuance**	**2020**	**2021**	**2022**	**2023**
5	1	2020	30	4.00%	3.00%	2	$ 319,185,944	$ 11,537,022	$ 23,079,033	$ 30,765,391	$ 384,567,391	$ 15,382,696	$ 15,382,696	$ 23,079,033	$ 23,079,033
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 15,382,696**	**$ 15,382,696**	**$ 23,079,033**	**$ 23,079,033**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 23,079,033	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033	$ 23,079,033
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 23,079,033	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**	**$ 23,079,033**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Sensitivity 5 - High Opt Out

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	47	Agricultural	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
2	106	Outdoor Lighting Small <20kW	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
3	13,092	Commercial/Industrial Small <20kW	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
4	2,457	Commercial/Industrial Large >20kW	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
5	122,323	Residential	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
6	28,170	Residential CARE	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
7	301	Residential Outdoor Lighting	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
	166,495																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 5 - High Opt Out**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 5 - High Opt Out**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

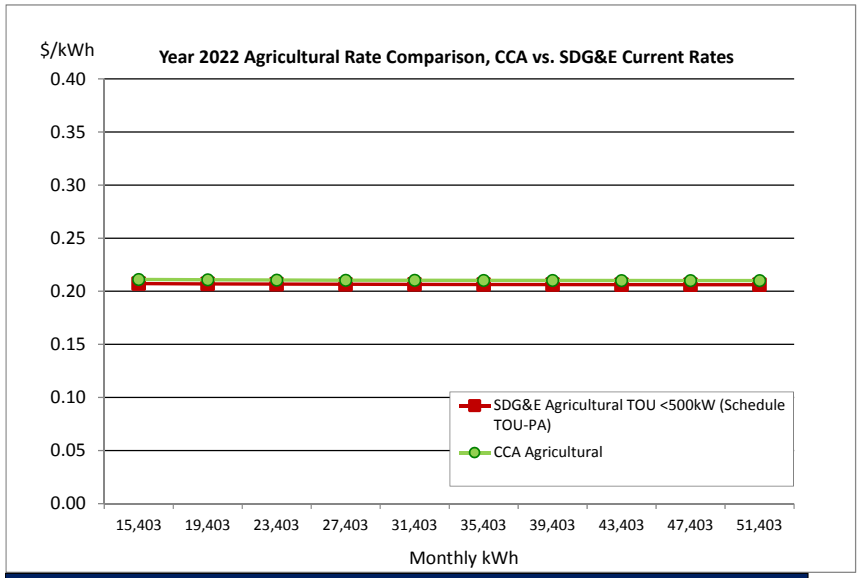
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Sensitivity 5 - High Opt Out

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.89	-	-	-	-	(4.26)	(261.89)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.2763	2,050.87	0.0891	0.1700	0.2591	1,923.55	(0.0172)	(127.32)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.2370	2,261.58	0.0891	0.1700	0.2591	2,473.14	0.0222	211.55
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.1951	3,611.21	0.0891	0.1700	0.2591	4,796.38	0.0640	1,185.17
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	447.02	0.0891	0.0563	0.1454	351.33	(0.0396)	(95.69)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.1722	1,802.19	0.0891	0.0563	0.1454	1,522.43	(0.0267)	(279.76)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.1543	2,228.46	0.0891	0.0563	0.1454	2,100.67	(0.0088)	(127.79)
Average Monthly Bill ($)						6,708.97				6,945.14		236.17
											Percentage Change	**3.5%**

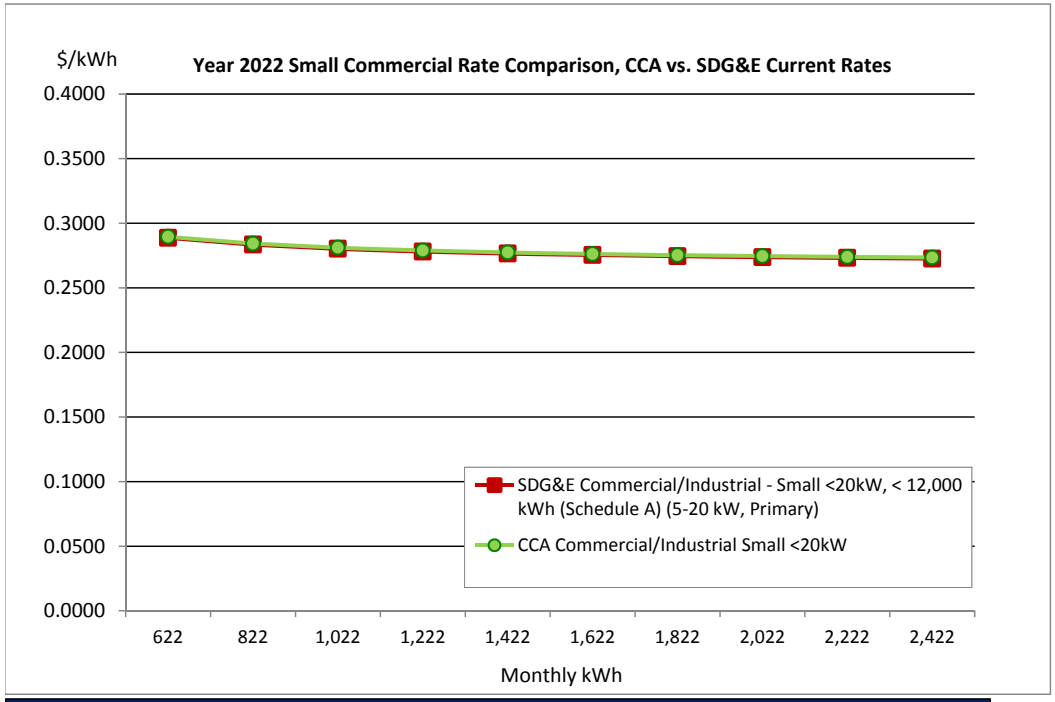


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.1800	0.3158	466.21	0.0111	16.43
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0804	0.2162	295.68	(0.0103)	(14.08)
Average Monthly Bill ($)						395.89				397.64		1.76
											Percentage Change	**0.4%**

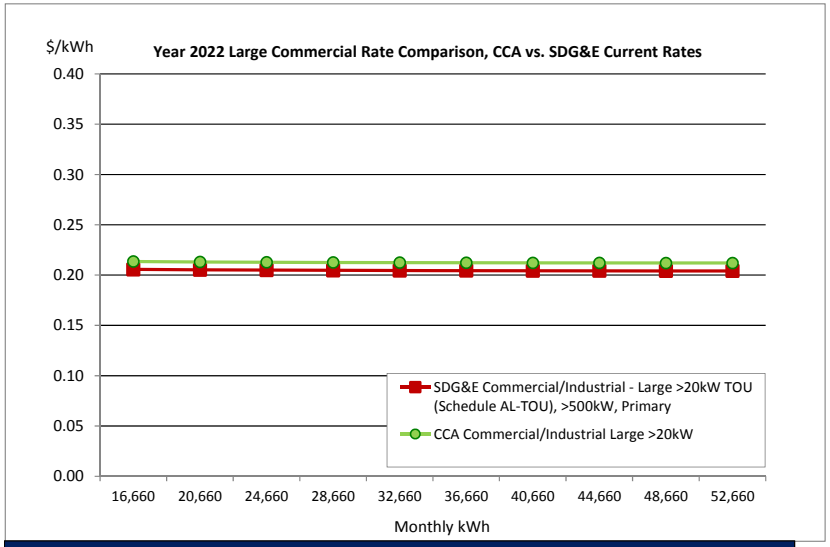


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.85	11.50	-	11.50	735.11	(12.54)	(801.74)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,107.01	0.0034	0.1900	0.1934	1,389.99	0.0394	282.98
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.26	0.0034	0.1900	0.1934	1,787.13	0.0512	472.87
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.30	0.0034	0.1900	0.1934	3,465.94	0.0887	1,589.65
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0719	0.0753	206.12	(0.0643)	(175.99)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.55	0.0034	0.0719	0.0753	893.21	(0.0454)	(538.34)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.08	0.0034	0.0719	0.0753	1,232.46	(0.0193)	(316.63)
Average Monthly Bill ($)						6,706.05				7,049.81		343.76
											Percentage Change	**5.1%**

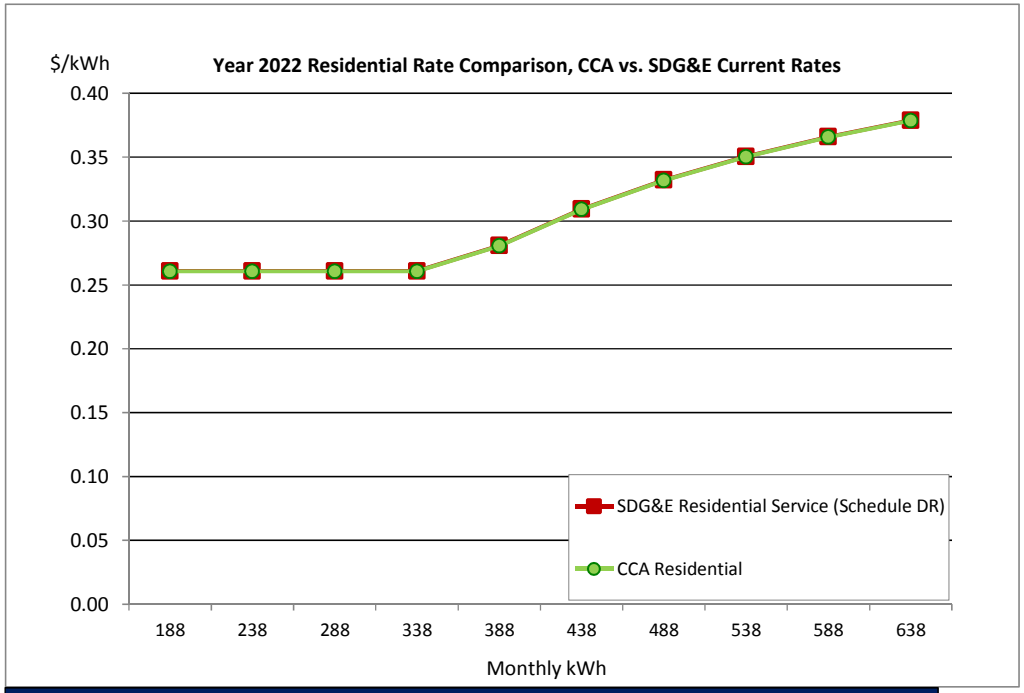


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2100	0.2865	102.81	0.0136	4.87
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.87	0.3570	0.2100	0.5670	25.48	0.0136	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0885	0.2325	83.89	(0.0153)	(5.51)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0885	0.4917	5.98	(0.0153)	(0.19)
Average Monthly Bill ($)						109.73				109.84		0.11
											Percentage Change	**0.1%**

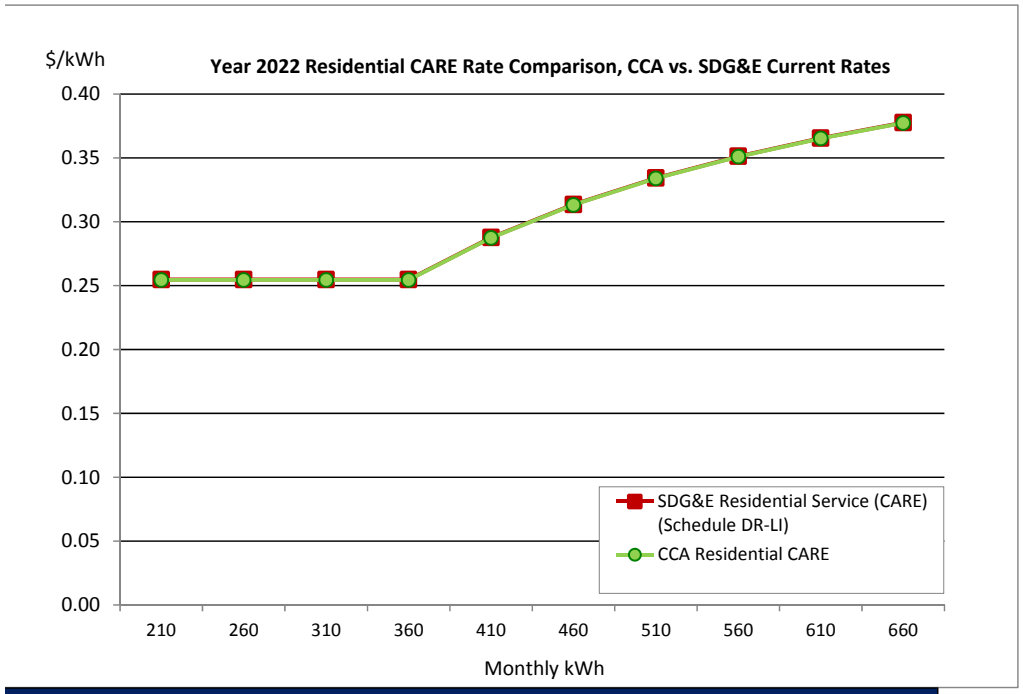


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2000	0.2759	99.01	0.0091	3.25
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.72	0.3564	0.2000	0.5564	37.33	0.0091	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0879	0.2313	83.46	(0.0104)	(3.75)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.34	0.4026	0.0879	0.4905	16.01	(0.0104)	(0.34)
Average Monthly Bill ($)						118.59				118.63		0.04
											Percentage Change	**0.0%**

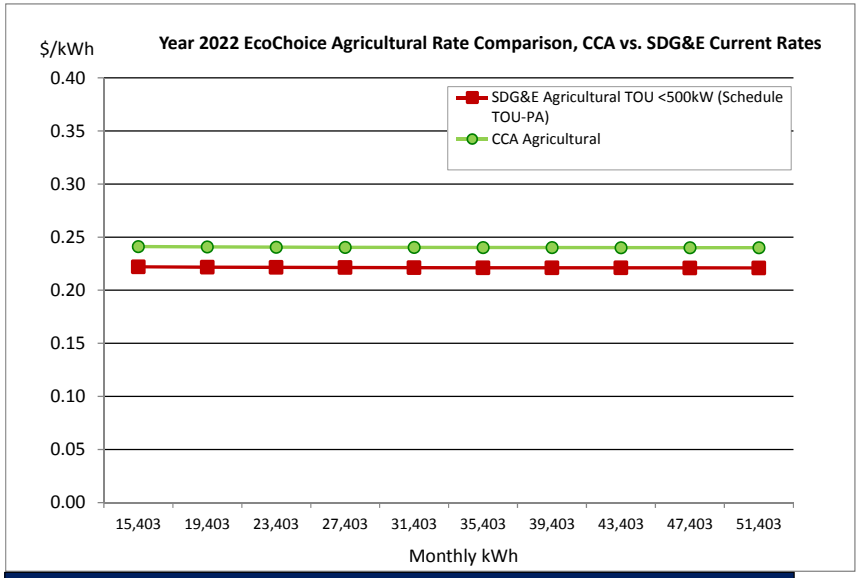


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.58	-	-	-	-	(4.0288)	(247.58)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.22	0.0891	0.2000	0.2891	2,146.24	(0.0024)	(17.98)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.32	0.0891	0.2000	0.2891	2,759.46	0.0369	352.14
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.86	0.0891	0.2000	0.2891	5,351.67	0.0788	1,457.82
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.91	0.0891	0.0863	0.1754	423.81	(0.0249)	(60.10)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,962.05	0.0891	0.0863	0.1754	1,836.49	(0.0120)	(125.56)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,449.03	0.0891	0.0863	0.1754	2,534.01	0.0059	84.98
Average Monthly Bill ($)							7,182.25				7,903.09		720.83
												Percentage Change	**10.0%**

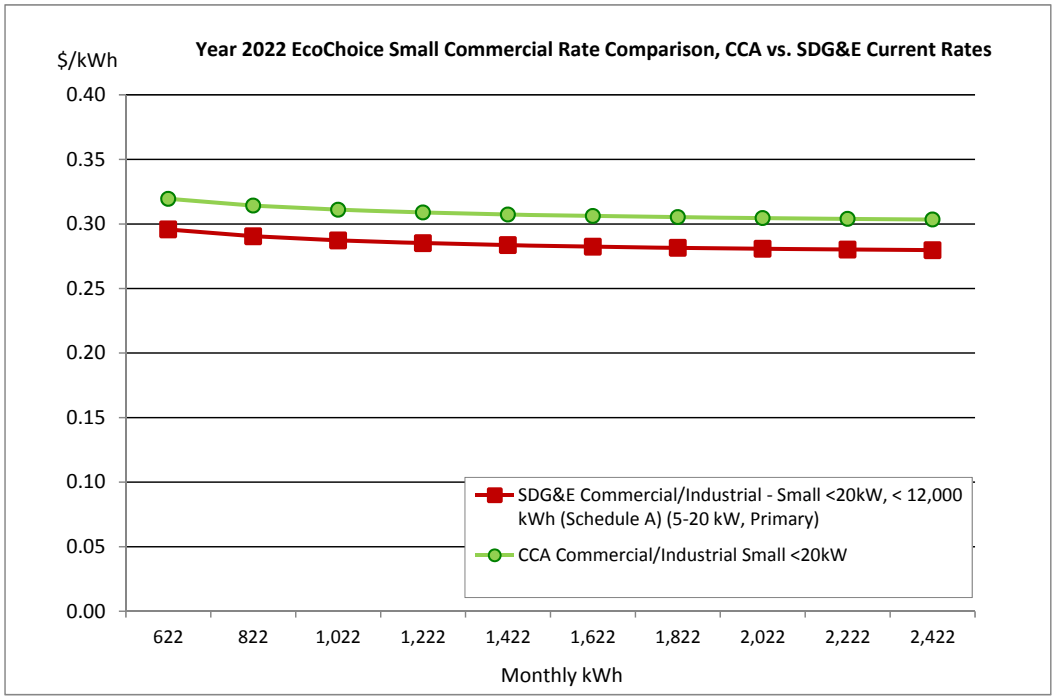


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	0.2100	0.3458	510.50	0.0341	50.30
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	0.1104	0.2462	336.71	0.0126	17.29
Average Monthly Bill ($)							405.94				440.37		34.43
												Percentage Change	**8.5%**

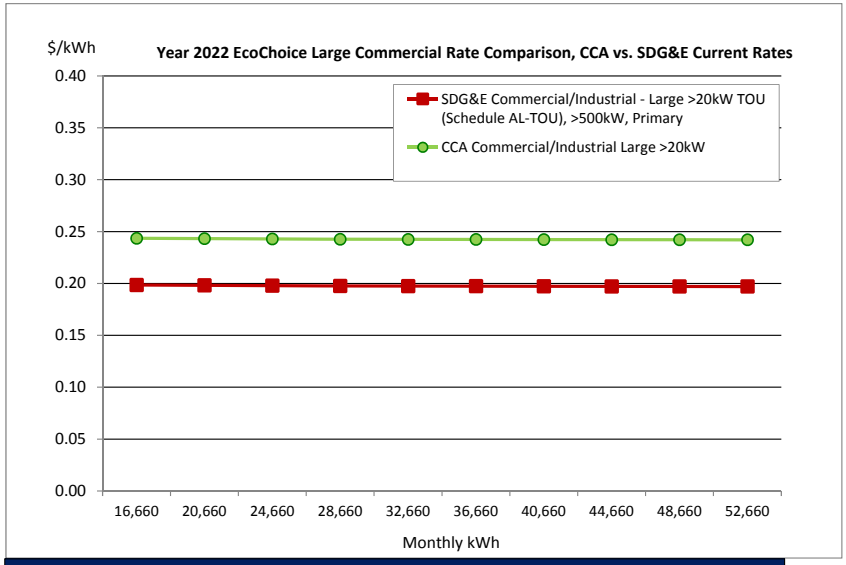


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.19	11.50	-	11.50	735.11	(13.27)	(848.08)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.37	0.0034	0.2200	0.2234	1,605.61	0.0773	555.24
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.44	0.0034	0.2200	0.2234	2,064.36	0.0891	822.91
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.07	0.0034	0.2200	0.2234	4,003.60	0.1266	2,268.53
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	0.1019	0.1053	288.26	(0.0264)	(72.28)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.07	0.0034	0.1019	0.1053	1,249.11	(0.0075)	(88.96)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.09	0.0034	0.1019	0.1053	1,723.53	0.0185	303.44
Average Monthly Bill ($)							6,471.17				8,032.24		1,561.07
												Percentage Change	**24.1%**

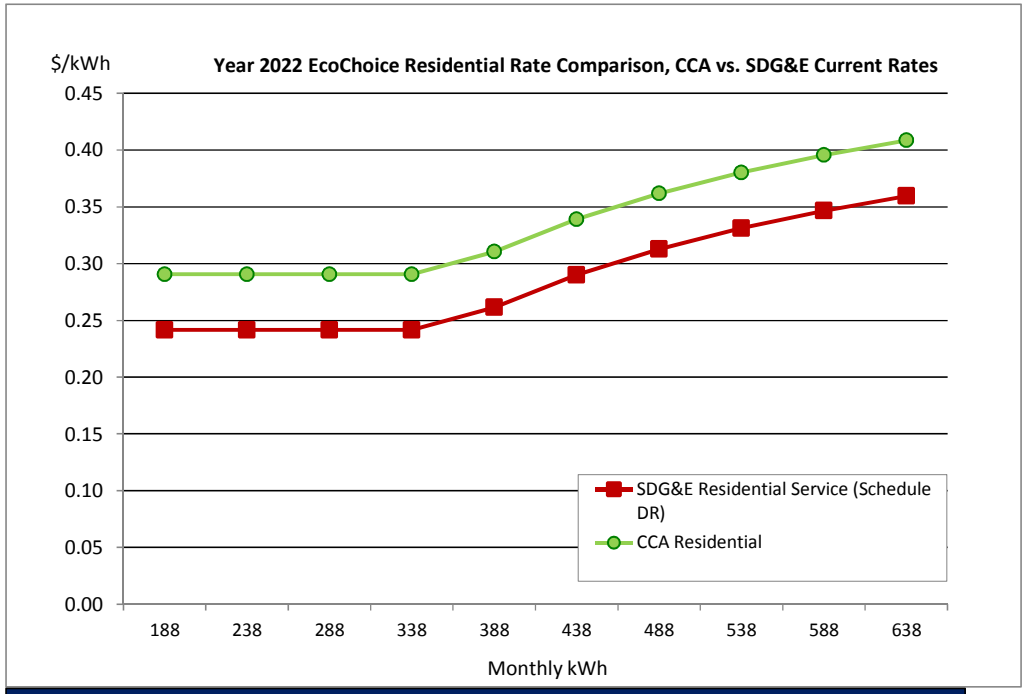


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	0.2400	0.3165	113.57	0.0629	22.57
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	0.2400	0.5970	26.83	0.0629	2.83
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	0.1185	0.2625	94.71	0.0340	12.28
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	0.1185	0.5217	6.35	0.0340	0.41
Average Monthly Bill ($)							102.22				121.51		19.30
												Percentage Change	**18.9%**

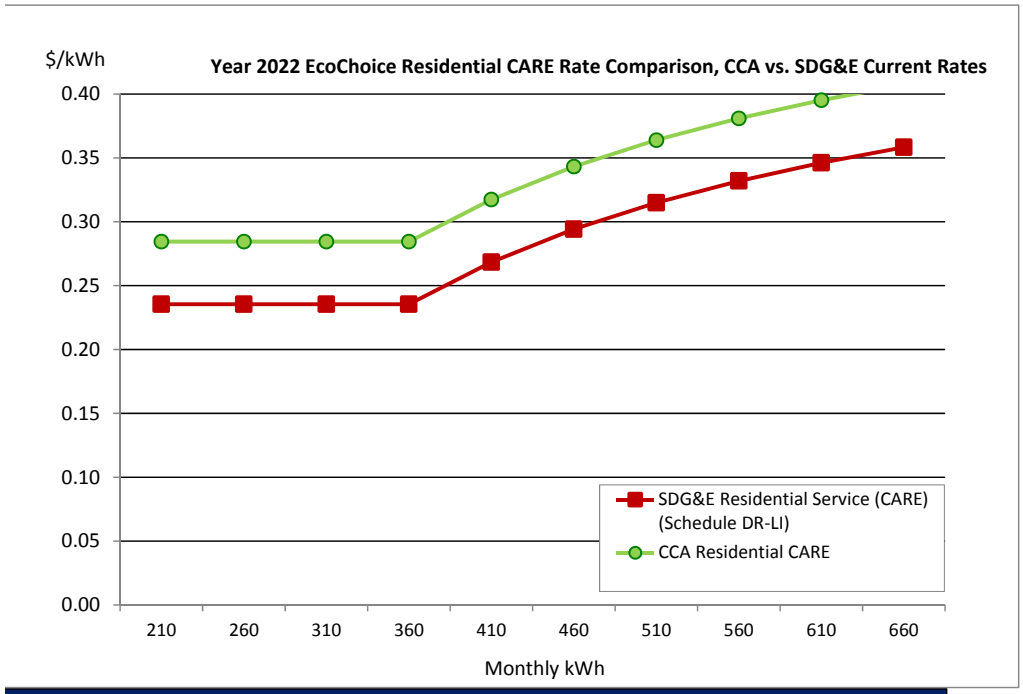


Sensitivity 5 - High Opt Out

Scenario: Sensitivity 5 - High Opt Out

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	0.2300	0.3059	109.77	0.0584	20.95
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	0.2300	0.5864	39.34	0.0584	3.92
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	0.1179	0.2613	94.28	0.0389	14.04
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.71	0.4026	0.1179	0.5205	16.98	0.0389	1.27
Average Monthly Bill ($)							110.66				130.94		20.28
												Percentage Change	**18.3%**



Sensitivity 5 - High Opt Out

PRO FORMA OUTPUTS

SENSITIVITY 6

LOW OPT OUT

This page intentionally left blank.

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Revenue Requirement

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description		Test Year
1	**REVENUE REQUIREMENT**		
2	**Baseload**		
3	Total Operating Expenses Excluding Power Costs	$	8,033,252
4	Total Non-Operating Expenses		25,631,169
5	Power Costs		710,803,493
6	Contingency/Rate Stabilization Fund		76,124,175
7	**BASELOAD REVENUE REQUIREMENT**	**$**	**820,592,089**
8	**Opt-up to 100% RPS**		
9	Total Operating Expenses Excluding Power Costs	$	163,944
10	Total Non-Operating Expenses		523,085
11	Power Costs		17,995,401
12	Contingency/Rate Stabilization Fund		1,553,555
13	**OPT-UP TO 100% RPS REVENUE REQUIREMENT**	**$**	**20,235,985**
14	**TOTAL REVENUE REQUIREMENT**	**$**	**840,828,074**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Customer Summary

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description	Accounts	Test Year Annual Load (MWh)	Average Monthly Load (kWh/Account)
1	**BASELOAD**			
2	Agricultural	157	59,179	31,403
3	Outdoor Lighting Small <20kW	350	25,339	6,028
4	Commercial/Industrial Small <20kW	40,646	693,567	1,422
5	Commercial/Industrial Large >20kW	7,787	3,051,849	32,660
6	Residential	345,158	1,608,523	388
7	Residential CARE	93,523	459,747	410
8	Residential Outdoor Lighting	996	1,842	154
9	**TOTAL BASELOAD**	**488,617**	**5,900,046**	
10	**OPT-UP TO 100% RPS (MWH)**			
11	Agricultural	-	-	-
12	Outdoor Lighting Small <20kW	-	-	-
13	Commercial/Industrial Small <20kW	706	12,041	1,422
14	Commercial/Industrial Large >20kW	92	36,123	32,660
15	Residential	15,502	72,245	388
16	Residential CARE	-	-	-
17	Residential Outdoor Lighting	-	-	-
18	**TOTAL OPT-UP TO 100% RPS**	**16,300**	**120,409**	**34,471**
19	**TOTAL CCA**	**504,917**	**6,020,455**	**34,471**
	CUSTOMERS OPTING UP TO 100% RENEWABLES		**Portion of Opt Up**	**Portion of Total CCA**
20	Agricultural		0%	0.00%
21	Outdoor Lighting Small <20kW		0%	0.00%
22	Commercial/Industrial Small <20kW		10%	0.20%
23	Commercial/Industrial Large >20kW		30%	0.60%
24	Residential		60%	1.20%
25	Residential CARE		0%	0.00%
26	Residential Outdoor Lighting		0%	0.00%
27	**TOTAL**		**100%**	**2.00%**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Proxy Rates Resulting from Cost of Service Analysis

SCENARIO: **Sensitivity 6 - Low Opt Out**

Line	Description	2020			
		Baseload ($/kWh)		Opt-up to 100% RPS ($/kWh)	
		Summer	Winter	Summer	Winter
1	Agricultural	0.1700	0.0559	0.2000	0.0859
2	Outdoor Lighting Small <20kW	0.1400	0.0632	0.1700	0.0932
3	Commercial/Industrial Small <20kW	0.1800	0.0801	0.2100	0.1101
4	Commercial/Industrial Large >20kW	0.1900	0.0715	0.2200	0.1015
5	Residential	0.2100	0.0882	0.2400	0.1182
6	Residential CARE	0.2000	0.0876	0.2300	0.1176
7	Residential Outdoor Lighting	0.1400	0.0578	0.1700	0.0878

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analysis
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description (a)	2020 (b)	2021 (c)	2022 (d)	2023 (e)	2024 (f)
	Sensitivity 6 - Low Opt Out with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	42,769	59,318	59,214	59,145	59,178
2	Outdoor Lighting Small <20kW	16,183	25,396	25,352	25,313	25,351
3	Commercial/Industrial Small <20kW	107,519	695,057	693,925	693,047	693,729
4	Commercial/Industrial Large >20kW	2,107,061	3,058,484	3,053,481	3,049,660	3,052,405
5	Residential	-	1,103,427	1,609,406	1,607,380	1,608,783
6	Residential CARE	-	315,392	459,999	459,420	459,822
7	Residential Outdoor Lighting	-	1,244	1,843	1,841	1,843
8	Total	2,273,532	5,258,318	5,903,221	5,895,806	5,901,112
	Sensitivity 6 - Low Opt Out with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	1,950	12,067	12,047	12,032	12,043
12	Commercial/Industrial Large >20kW	24,845	36,200	36,142	36,097	36,129
13	Residential	-	49,600	72,284	72,194	72,259
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	26,794	97,868	120,474	120,323	120,431
17	**Total MWh**	**2,300,326**	**5,356,186**	**6,023,695**	**6,016,129**	**6,021,543**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 5,147,317	$ 7,138,947	$ 7,126,420	$ 7,118,150	$ 7,122,195
20	Outdoor Lighting Small <20kW	1,592,297	2,498,857	2,494,528	2,490,650	2,494,382
21	Commercial/Industrial Small <20kW	14,188,021	91,718,381	91,569,010	91,453,137	91,543,092
22	Commercial/Industrial Large >20kW	281,958,319	409,273,899	408,604,439	408,093,139	408,460,465
23	Residential	-	167,183,688	243,846,184	243,539,233	243,751,875
24	Residential CARE	-	46,055,753	67,172,313	67,087,765	67,146,419
25	Residential Outdoor Lighting	-	122,342	181,300	181,057	181,274
26	Total	302,885,955	723,991,866	820,994,192	819,963,132	820,699,703
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	212,519	1,315,409	1,313,296	1,311,646	1,312,827
30	Commercial/Industrial Large >20kW	2,874,329	4,188,088	4,181,360	4,176,109	4,179,867
31	Residential	-	6,187,912	9,017,836	9,006,509	9,014,614
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 3,086,848	$ 11,691,410	$ 14,512,492	$ 14,494,264	$ 14,507,308
35	**TOTAL RATE REVENUE**	**$ 305,972,803**	**$ 735,683,276**	**$ 835,506,684**	**$ 834,457,397**	**$ 835,207,010**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 229,479,602**	**$ 689,562,597**	**$ 818,869,450**	**$ 834,632,278**	**$ 835,082,075**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Anal

Estimated Revenue by Rate Class

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description (a)	2025 (h)	2026 (i)	2027 (j)	2028 (k)	2029 (l)	2030 (m)
	Sensitivity 6 - Low Opt Out with Phase In - Base Portfolio with CCA Opt Out (MWh)						
1	Agricultural	58,892	58,861	58,817	58,889	58,704	58,706
2	Outdoor Lighting Small <20kW	25,215	25,201	25,183	25,233	25,133	25,134
3	Commercial/Industrial Small <20kW	690,149	689,747	689,193	690,377	687,974	688,010
4	Commercial/Industrial Large >20kW	3,036,855	3,035,150	3,032,805	3,037,733	3,027,352	3,027,491
5	Residential	1,600,773	1,599,826	1,598,575	1,601,123	1,595,796	1,595,954
6	Residential CARE	457,531	457,261	456,903	457,632	456,108	456,153
7	Residential Outdoor Lighting	1,833	1,832	1,831	1,834	1,827	1,827
8	Total	5,871,249	5,867,877	5,863,306	5,872,822	5,852,894	5,853,274
	Sensitivity 6 - Low Opt Out with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)						
9	Agricultural	-	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,982	11,975	11,966	11,985	11,945	11,945
12	Commercial/Industrial Large >20kW	35,946	35,926	35,898	35,956	35,834	35,836
13	Residential	71,893	71,852	71,796	71,912	71,668	71,673
14	Residential CARE	-	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-	-
16	Total	119,821	119,753	119,659	119,854	119,447	119,455
17	**Total MWh**	**5,991,070**	**5,987,630**	**5,982,965**	**5,992,675**	**5,972,341**	**5,972,729**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)						
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,087,759	$ 7,084,036	$ 7,078,692	$ 7,087,394	$ 7,065,139	$ 7,065,290
20	Outdoor Lighting Small <20kW	2,481,052	2,479,639	2,477,833	2,482,742	2,472,932	2,473,060
21	Commercial/Industrial Small <20kW	91,070,628	91,017,583	90,944,502	91,100,832	90,783,702	90,788,363
22	Commercial/Industrial Large >20kW	406,379,587	406,151,395	405,837,596	406,497,083	405,107,879	405,126,581
23	Residential	242,538,289	242,394,683	242,205,183	242,591,297	241,784,140	241,808,036
24	Residential CARE	66,811,876	66,772,368	66,720,174	66,826,619	66,604,082	66,610,568
25	Residential Outdoor Lighting	180,308	180,203	180,068	180,416	179,737	179,745
26	Total	816,549,499	816,079,907	815,444,047	816,766,384	813,997,610	814,051,644
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)						
27	Agricultural	$ -	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,306,183	1,305,433	1,304,416	1,306,533	1,302,100	1,302,184
30	Commercial/Industrial Large >20kW	4,158,714	4,156,326	4,153,088	4,159,828	4,145,713	4,145,982
31	Residential	8,968,995	8,963,844	8,956,861	8,971,398	8,940,957	8,941,537
32	Residential CARE	-	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-	-
34	Total	$ 14,433,893	$ 14,425,603	$ 14,414,365	$ 14,437,760	$ 14,388,770	$ 14,389,704
35	**TOTAL RATE REVENUE**	**$ 830,983,392**	**$ 830,505,510**	**$ 829,858,412**	**$ 831,204,144**	**$ 828,386,380**	**$ 828,441,348**
36							
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 831,687,328**	**$ 830,585,157**	**$ 829,966,262**	**$ 830,979,855**	**$ 828,856,007**	**$ 828,432,186**

City of San Diego, California CCA
Development of CCA Preliminary Feasibility Analy
Estimated Revenue by Rate Class

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description (a)	2031 (n)	2032 (o)	2033 (p)	2034 (q)	2035 (r)
	Sensitivity 6 - Low Opt Out with Phase In - Base Portfolio with CCA Opt Out (MWh)					
1	Agricultural	58,684	58,873	58,819	58,876	58,900
2	Outdoor Lighting Small <20kW	25,127	25,231	25,187	25,208	25,219
3	Commercial/Industrial Small <20kW	687,780	690,173	689,351	690,005	690,307
4	Commercial/Industrial Large >20kW	3,026,516	3,036,864	3,033,453	3,036,341	3,037,574
5	Residential	1,595,496	1,600,711	1,599,180	1,600,685	1,601,175
6	Residential CARE	456,021	457,514	457,074	457,504	457,646
7	Residential Outdoor Lighting	1,827	1,834	1,831	1,833	1,833
8	Total	5,851,450	5,871,200	5,864,895	5,870,451	5,872,654
	Sensitivity 6 - Low Opt Out with Phase In - 2% Opt Up to 100% RPS Portfolio (MWh)					
9	Agricultural	-	-	-	-	-
10	Outdoor Lighting Small <20kW	-	-	-	-	-
11	Commercial/Industrial Small <20kW	11,942	11,982	11,969	11,981	11,985
12	Commercial/Industrial Large >20kW	35,825	35,946	35,908	35,942	35,955
13	Residential	71,650	71,892	71,815	71,883	71,910
14	Residential CARE	-	-	-	-	-
15	Residential Outdoor Lighting	-	-	-	-	-
16	Total	119,417	119,820	119,692	119,805	119,850
17	**Total MWh**	**5,970,868**	**5,991,020**	**5,984,587**	**5,990,256**	**5,992,504**
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - Base Portfolio with CCA Opt Out (Rate Revenue)					
18	Cumulative Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%
19	Agricultural	$ 7,062,727	$ 7,085,449	$ 7,078,925	$ 7,085,735	$ 7,088,722
20	Outdoor Lighting Small <20kW	2,472,315	2,482,568	2,478,308	2,480,363	2,481,414
21	Commercial/Industrial Small <20kW	90,758,048	91,073,844	90,965,403	91,051,674	91,091,534
22	Commercial/Industrial Large >20kW	404,996,044	406,380,796	405,924,400	406,310,735	406,475,759
23	Residential	241,738,641	242,528,833	242,296,799	242,524,854	242,599,068
24	Residential CARE	66,591,381	66,809,359	66,745,104	66,807,943	66,828,586
25	Residential Outdoor Lighting	179,689	180,369	180,104	180,270	180,350
26	Total	813,798,845	816,541,218	815,669,043	816,441,575	816,745,433
	2% Opt Up and 50 RPS 95% CI Scenario with Phase In - 2% Opt Up to 100% RPS Portfolio (Rate Revenue)					
27	Agricultural	$ -	$ -	$ -	$ -	$ -
28	Outdoor Lighting Small <20kW	-	-	-	-	-
29	Commercial/Industrial Small <20kW	1,301,778	1,306,172	1,304,770	1,306,005	1,306,496
30	Commercial/Industrial Large >20kW	4,144,690	4,158,679	4,154,214	4,158,149	4,159,709
31	Residential	8,938,751	8,968,920	8,959,290	8,967,776	8,971,141
32	Residential CARE	-	-	-	-	-
33	Residential Outdoor Lighting	-	-	-	-	-
34	Total	$ 14,385,219	$ 14,433,771	$ 14,418,273	$ 14,431,931	$ 14,437,346
35	**TOTAL RATE REVENUE**	**$ 828,184,065**	**$ 830,974,989**	**$ 830,087,316**	**$ 830,873,505**	**$ 831,182,779**
36						
37	**TOTAL RATE REVENUE CASHFLOW**	**$ 828,226,945**	**$ 830,509,835**	**$ 830,235,262**	**$ 830,742,474**	**$ 831,131,233**

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description		2020	2021	2022	2023	2024	2025	2026	2027
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 229,479,602	$ 689,562,597	$ 818,869,450	$ 834,632,278	$ 835,082,075	$ 831,687,328	$ 830,585,157	$ 829,966,262
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 229,479,602	$ 689,562,597	$ 818,869,450	$ 834,632,278	$ 835,082,075	$ 831,687,328	$ 830,585,157	$ 829,966,262
	Operating Expenses									
5	Salaries & Benefits		$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260	$ 5,433,518	$ 5,596,523	$ 5,764,419
6	Power Procurement		177,033,067	405,841,657	444,788,511	446,796,066	439,157,062	436,328,511	426,222,712	424,887,276
7	SDG&E Service Charges		2,909,901	5,083,915	5,256,025	5,354,394	5,466,312	5,547,763	5,655,380	5,763,970
8	SDG&E CRS Charges		77,106,286	204,526,055	239,481,147	245,850,433	251,415,531	248,061,622	246,768,676	246,965,092
9	SDG&E Power Franchise Charges		10,232,511	23,457,648	25,708,776	25,824,813	25,383,278	25,219,788	24,635,673	24,558,485
10	ESP Charges		219,457	6,311,696	9,093,469	9,082,017	9,090,050	9,044,605	9,039,268	9,032,189
11	Other Startup Charges		900,000	300,000	-	-	-	-	-	-
12	Professional Services		-	-	561,710	560,865	560,261	560,256	560,567	560,812
13	City Administration		38,542	154,167	188,939	188,655	188,451	188,450	188,554	188,637
14	Other Operating Expenses		98,159	561,962	758,149	764,421	772,290	778,348	787,261	796,259
15	Uncollectable Accounts		431,422	1,296,378	1,539,475	1,569,109	1,569,954	1,563,572	1,561,500	1,560,337
16	**Total Operating Expenses**		$ 270,609,794	$ 651,636,946	$ 732,348,638	$ 741,112,384	$ 738,878,450	$ 732,726,433	$ 721,016,113	$ 720,077,475
17	Contingency/Rate Stabilization Fund		28,630,673	68,762,157	77,178,655	78,072,830	77,781,704	77,141,423	75,880,786	75,775,081
18	**Total Operating Expenses & Contin/Rate Stab**		$ 299,240,467	$ 720,399,103	$ 809,527,293	$ 819,185,214	$ 816,660,154	$ 809,867,855	$ 796,896,899	$ 795,852,556
19	**Net Operating Revenues**		$ (69,760,865)	$ (30,836,506)	$ 9,342,156	$ 15,447,064	$ 18,421,920	$ 21,819,473	$ 33,688,258	$ 34,113,706
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (300,000)	$ -	$ -	$ -	$ (90,216)	$ -	$ -	$ (24,265)
21	Interest Earnings, Unrestricted Funds		2,159,282	3,128,113	2,834,239	2,725,286	2,660,191	2,626,307	2,668,867	2,773,202
22	Total Non-Operating Revenues (Expenses)		$ 1,859,282	$ 3,128,113	$ 2,834,239	$ 2,725,286	$ 2,569,975	$ 2,626,307	$ 2,668,867	$ 2,748,937
23	**Net Operating Income**		$ (67,901,583)	$ (27,708,393)	$ 12,176,396	$ 18,172,350	$ 20,991,895	$ 24,445,780	$ 36,357,125	$ 36,862,643
	Debt Service	[3]								
24	Borrowing 1		$ 17,412,356	$ 17,412,356	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 17,412,356	$ 17,412,356	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
29	**Debt Service Coverage (Target=1.25)**		(3.90)	(1.59)	0.47	0.70	0.80	0.94	1.39	1.41
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ (85,313,939)	$ (45,120,749)	$ (13,947,786)	$ (7,951,833)	$ (5,132,287)	$ (1,678,403)	$ 10,232,943	$ 10,738,461
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ (85,313,939)	$ (45,120,749)	$ (13,947,786)	$ (7,951,833)	$ (5,132,287)	$ (1,678,403)	$ 10,232,943	$ 10,738,461

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Working Capital								
34	Beginning Year Balance	$ -	$ 293,399,153	$ 265,690,760	$ 251,742,974	$ 243,791,141	$ 238,658,854	$ 236,980,452	$ 247,213,395
35	Deposit/(Withdrawal) from Operations	$ (85,313,939)	$ (45,120,749)	$ (13,947,786)	$ (7,951,833)	$ (5,132,287)	$ (1,678,403)	$ 10,232,943	$ 10,738,461
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ 422,249,630	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ (26,124,182)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ (34,824,712)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	17,412,356	17,412,356	-	-	-	-	-	-
41	Ending Year Balance	$ 293,399,153	$ 265,690,760	$ 251,742,974	$ 243,791,141	$ 238,658,854	$ 236,980,452	$ 247,213,395	$ 257,951,855
42	Targeted Working Capital Balance	$ 105,158,449	$ 256,494,667	$ 290,073,311	$ 294,074,316	$ 294,193,495	$ 291,611,675	$ 287,451,805	$ 287,202,341
43	Surplus/(Deficiency)	$ 188,240,704	$ 9,196,093	$ (38,330,337)	$ (50,283,175)	$ (55,534,641)	$ (54,631,223)	$ (40,238,410)	$ (29,250,486)
44	Ratio of Surplus/(Deficiency) to Revenues	82%	1%	-5%	-6%	-7%	-7%	-5%	-4%
45	% Surplus/(Deficiency) to Target	179%	4%	-13%	-17%	-19%	-19%	-14%	-10%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ -	$ 293,399,153	$ 265,690,760	$ 251,742,974	$ 243,791,141	$ 238,658,854	$ 236,980,452	$ 247,213,395
47	Total Operating Revenues	229,479,602	689,562,597	818,869,450	834,632,278	835,082,075	831,687,328	830,585,157	829,966,262
48	Total Operating Expenses	(270,609,794)	(651,636,946)	(732,348,638)	(741,112,384)	(738,878,450)	(732,726,433)	(721,016,113)	(720,077,475)
49	Contingency/Rate Stabilization Fund	(28,630,673)	(68,762,157)	(77,178,655)	(78,072,830)	(77,781,704)	(77,141,423)	(75,880,786)	(75,775,081)
50	Non-Operating Expenses	(300,000)	-	-	-	(90,216)	-	-	(24,265)
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	361,300,736	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	17,412,356	17,412,356	-	-	-	-	-	-
54	Total Debt Service	(17,412,356)	(17,412,356)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)
55	Total Funds	$ 291,239,871	$ 262,562,647	$ 248,908,734	$ 241,065,855	$ 235,998,664	$ 234,354,145	$ 244,544,528	$ 255,178,653
56	Average Annual Balance	$ 194,159,914	$ 277,980,900	$ 257,299,747	$ 246,404,414	$ 239,894,902	$ 236,506,500	$ 240,762,490	$ 251,196,024
57	Annual Interest Earnings, All Funds	$ 2,159,282	$ 3,128,113	$ 2,834,239	$ 2,725,286	$ 2,660,191	$ 2,626,307	$ 2,668,867	$ 2,773,202
	Year Ending Balance, with Interest	$ 293,399,153	$ 265,690,760	$ 251,742,974	$ 243,791,141	$ 238,658,854	$ 236,980,452	$ 247,213,395	$ 257,951,855
	Bond Reserve Fund								
58	Beginning Year Balance	$ -	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
59	Deposit from Bond Proceeds	$ 26,124,182	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
62	Average Annual Balance	$ 13,062,091	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
63	Annual Interest Earnings, to Operating Fund	$ 130,621	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ 17,412,356	$ -	$ -	$ -	$ -	$ -	$ -
65	Deposit from Bond Proceeds	$ 34,824,712	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ (17,412,356)	$ (17,412,356)	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ 17,412,356	$ -	$ -	$ -	$ -	$ -	$ -	$ -
68	Average Annual Balance	$ 8,706,178	$ 8,706,178	$ -	$ -	$ -	$ -	$ -	$ -
69	Annual Interest Earnings, to Operating Fund	$ 87,062	$ 87,062	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description		2028	2029	2030	2031	2032	2033	2034	2035
	(a)		(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Operating Revenues									
1	Revenues from Charges (With Lag)		$ 830,979,855	$ 828,856,007	$ 828,432,186	$ 828,226,945	$ 830,509,835	$ 830,235,262	$ 830,742,474	$ 831,131,233
2	*Percent Rate Increase (Decrease)*	[2]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Other Revenues		-	-	-	-	-	-	-	-
4	**Total Operating Revenues**		$ 830,979,855	$ 828,856,007	$ 828,432,186	$ 828,226,945	$ 830,509,835	$ 830,235,262	$ 830,742,474	$ 831,131,233
	Operating Expenses									
5	Salaries & Benefits		$ 5,937,351	$ 6,115,472	$ 6,298,936	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
6	Power Procurement		424,984,911	421,183,439	417,985,761	408,120,529	407,857,042	409,893,276	401,156,845	399,549,235
7	SDG&E Service Charges		5,888,695	5,986,378	6,106,672	6,226,984	6,372,445	6,493,496	6,629,606	6,764,371
8	SDG&E CRS Charges		249,448,325	250,882,204	252,505,375	253,747,200	255,662,563	256,528,084	258,006,140	259,608,416
9	SDG&E Power Franchise Charges		24,564,128	24,344,403	24,159,577	23,589,367	23,574,137	23,691,831	23,186,866	23,093,946
10	ESP Charges		9,046,700	9,016,440	9,017,276	9,014,639	9,044,333	9,035,430	9,043,942	9,046,849
11	Other Startup Charges		-	-	-	-	-	-	-	-
12	Professional Services		561,079	561,464	561,861	562,319	562,535	562,748	562,778	562,653
13	City Administration		188,727	188,856	188,990	189,144	189,216	189,288	189,298	189,256
14	Other Operating Expenses		806,730	815,250	825,762	836,489	848,919	859,586	871,243	882,690
15	Uncollectable Accounts		1,562,242	1,558,249	1,557,453	1,557,067	1,561,358	1,560,842	1,561,796	1,562,527
16	**Total Operating Expenses**		$ 722,988,888	$ 720,652,156	$ 719,207,662	$ 710,331,642	$ 712,355,090	$ 715,697,599	$ 708,298,021	$ 708,562,135
17	Contingency/Rate Stabilization Fund		76,067,088	75,799,709	75,626,907	74,651,833	74,851,841	75,204,147	74,386,726	74,398,883
18	**Total Operating Expenses & Contin/Rate Stab**		$ 799,055,977	$ 796,451,864	$ 794,834,569	$ 784,983,474	$ 787,206,931	$ 790,901,746	$ 782,684,747	$ 782,961,018
19	**Net Operating Revenues**		$ 31,923,878	$ 32,404,143	$ 33,597,617	$ 43,243,471	$ 43,302,904	$ 39,333,515	$ 48,057,726	$ 48,170,215
	Non-Operating Revenues (Expenses)									
20	Non-Operating Expenses		$ (108,224)	$ -	$ (243,839)	$ -	$ (101,628)	$ -	$ (29,440)	$ -
21	Interest Earnings, Unrestricted Funds		2,869,218	2,957,767	3,054,893	3,207,186	3,410,240	3,595,774	3,807,299	4,065,123
22	Total Non-Operating Revenues (Expenses)		$ 2,760,994	$ 2,957,767	$ 2,811,054	$ 3,207,186	$ 3,308,612	$ 3,595,774	$ 3,777,859	$ 4,065,123
23	**Net Operating Income**		$ 34,684,872	$ 35,361,910	$ 36,408,671	$ 46,450,657	$ 46,611,516	$ 42,929,289	$ 51,835,586	$ 52,235,338
	Debt Service	[3]								
24	Borrowing 1		$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
25	Borrowing 2		-	-	-	-	-	-	-	-
26	Borrowing 3		-	-	-	-	-	-	-	-
27	Borrowing 4		-	-	-	-	-	-	-	-
28	**Total Debt Service**		$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
29	**Debt Service Coverage (Target=1.25)**		1.33	1.35	1.39	1.78	1.78	1.64	1.98	2.00
	Margin (Loss) Before Capital									
30	**Contributions and Transfers**		$ 8,560,690	$ 9,237,728	$ 10,284,489	$ 20,326,475	$ 20,487,334	$ 16,805,107	$ 25,711,404	$ 26,111,156
	Transfers and Capital Contributions									
31	Transfer from General Fund		-	-	-	-	-	-	-	-
32	**Total Transfers and Capital Contributions**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	**Net Margin (Loss)**		$ 8,560,690	$ 9,237,728	$ 10,284,489	$ 20,326,475	$ 20,487,334	$ 16,805,107	$ 25,711,404	$ 26,111,156

City of San Diego, California CCA
Community Choice Aggregation
Projected Operating Results
Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035
	(a)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
	Working Capital								
34	Beginning Year Balance	$ 257,951,855	$ 266,512,545	$ 275,750,273	$ 286,034,762	$ 306,361,237	$ 326,848,570	$ 343,653,678	$ 369,365,082
35	Deposit/(Withdrawal) from Operations	$ 8,560,690	$ 9,237,728	$ 10,284,489	$ 20,326,475	$ 20,487,334	$ 16,805,107	$ 25,711,404	$ 26,111,156
36	Capital Items paid for from Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Total Proceeds from Bond Issuance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	Other Sources of Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transfers to Bond Reserve Fund, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	Transfer to Capitalized Interest Reserve, Restricted	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	Deposits from Capitalized Interest for Debt Service	-	-	-	-	-	-	-	-
41	Ending Year Balance	$ 266,512,545	$ 275,750,273	$ 286,034,762	$ 306,361,237	$ 326,848,570	$ 343,653,678	$ 369,365,082	$ 395,476,238
42	Targeted Working Capital Balance	$ 288,622,503	$ 288,077,682	$ 287,876,374	$ 285,075,793	$ 286,115,768	$ 287,438,703	$ 285,185,830	$ 285,573,001
43	Surplus/(Deficiency)	$ (22,109,957)	$ (12,327,409)	$ (1,841,612)	$ 21,285,443	$ 40,732,802	$ 56,214,974	$ 84,179,252	$ 109,903,236
44	Ratio of Surplus/(Deficiency) to Revenues	-3%	-1%	0%	3%	5%	7%	10%	13%
45	% Surplus/(Deficiency) to Target	-8%	-4%	-1%	7%	14%	20%	30%	38%
	Fund Balances and Interest Earnings								
	Unrestricted Operating Fund								
46	Beginning Year Balance	$ 257,951,855	$ 266,512,545	$ 275,750,273	$ 286,034,762	$ 306,361,237	$ 326,848,570	$ 343,653,678	$ 369,365,082
47	Total Operating Revenues	830,979,855	828,856,007	828,432,186	828,226,945	830,509,835	830,235,262	830,742,474	831,131,233
48	Total Operating Expenses	(722,988,888)	(720,652,156)	(719,207,662)	(710,331,642)	(712,355,090)	(715,697,599)	(708,298,021)	(708,562,135)
49	Contingency/Rate Stabilization Fund	(76,067,088)	(75,799,709)	(75,626,907)	(74,651,833)	(74,851,841)	(75,204,147)	(74,386,726)	(74,398,883)
50	Non-Operating Expenses	(108,224)	-	(243,839)	-	(101,628)	-	(29,440)	-
51		-	-	-	-	-	-	-	-
52	Proceeds from Debt, Unrestricted	-	-	-	-	-	-	-	-
53	Capitalized Interest Fund Deposit	-	-	-	-	-	-	-	-
54	Total Debt Service	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)	(26,124,182)
55	Total Funds	$ 263,643,327	$ 272,792,506	$ 282,979,870	$ 303,154,051	$ 323,438,331	$ 340,057,904	$ 365,557,783	$ 391,411,115
56	Average Annual Balance	$ 260,797,591	$ 269,652,526	$ 279,365,071	$ 294,594,406	$ 314,899,784	$ 333,453,237	$ 354,605,730	$ 380,388,098
57	Annual Interest Earnings, All Funds	$ 2,869,218	$ 2,957,767	$ 3,054,893	$ 3,207,186	$ 3,410,240	$ 3,595,774	$ 3,807,299	$ 4,065,123
	Year Ending Balance, with Interest	$ 266,512,545	$ 275,750,273	$ 286,034,762	$ 306,361,237	$ 326,848,570	$ 343,653,678	$ 369,365,082	$ 395,476,238
	Bond Reserve Fund								
58	Beginning Year Balance	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
59	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
60	Withdrawals for Final Bond Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61	Total Funds	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
62	Average Annual Balance	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
63	Annual Interest Earnings, to Operating Fund	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242	$ 261,242
	Capitalized Interest Fund								
64	Beginning Year Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
65	Deposit from Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
66	Transfer to Operating Fund for Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
67	Total Funds	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
68	Average Annual Balance	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0
69	Annual Interest Earnings, to Operating Fund	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description	2020	2021	2022	2023	2024
1	Power Procured (MWh)	2,300,326	5,356,186	6,023,695	6,016,129	6,021,543
2	Customer Accounts	12,192	362,093	505,193	504,556	505,003
	Operating Expenses by Category					
3	Salaries & Benefits	$ 1,640,450	$ 4,103,469	$ 4,972,438	$ 5,121,611	$ 5,275,260
4	Power Procurement	177,033,067	405,841,657	444,788,511	446,796,066	439,157,062
5	SDG&E Service Charges	2,909,901	5,083,915	5,256,025	5,354,394	5,466,312
6	SDG&E CRS Charges	77,106,286	204,526,055	239,481,147	245,850,433	251,415,531
7	SDG&E Power Franchise Charges	10,232,511	23,457,648	25,708,776	25,824,813	25,383,278
8	ESP Charges	219,457	6,311,696	9,093,469	9,082,017	9,090,050
9	Other Startup Charges	900,000	300,000	-	-	-
10	Professional Services	-	-	561,710	560,865	560,261
11	City Administration	38,542	154,167	188,939	188,655	188,451
12	Other Operating Expenses	98,159	561,962	758,149	764,421	772,290
13	Uncollectable Accounts	$ 431,422	$ 1,296,378	$ 1,539,475	$ 1,569,109	$ 1,569,954
14	**Total Operating Expenses**	$ 270,609,794	$ 651,636,946	$ 732,348,638	$ 741,112,384	$ 738,878,450
	Non-Operating Expenses					
15	Capital	$ 300,000	$ -	$ -	$ -	$ 90,216
16	Debt Service	17,412,356	17,412,356	26,124,182	26,124,182	26,124,182
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 17,712,356	$ 17,412,356	$ 26,124,182	$ 26,124,182	$ 26,214,398
19	**Total Operating & Non-Operating Expenses**	**$ 288,322,150**	**$ 669,049,302**	**$ 758,472,820**	**$ 767,236,566**	**$ 765,092,848**
20	Contingency/Rate Stabilization Fund	$ 28,630,673	$ 68,762,157	$ 77,178,655	$ 78,072,830	$ 77,781,704
21	**Total Expenses Incl. Contingency**	$ 316,952,823	$ 737,811,459	$ 835,651,475	$ 845,309,396	$ 842,874,552

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description	2025	2026	2027	2028	2029	2030
1	Power Procured (MWh)	5,991,070	5,987,630	5,982,965	5,992,675	5,972,341	5,972,729
2	Customer Accounts	502,478	502,182	501,788	502,594	500,913	500,960
	Operating Expenses by Category						
3	Salaries & Benefits	$ 5,433,518	$ 5,596,523	$ 5,764,419	$ 5,937,351	$ 6,115,472	$ 6,298,936
4	Power Procurement	436,328,511	426,222,712	424,887,276	424,984,911	421,183,439	417,985,761
5	SDG&E Service Charges	5,547,763	5,655,380	5,763,970	5,888,695	5,986,378	6,106,672
6	SDG&E CRS Charges	248,061,622	246,768,676	246,965,092	249,448,325	250,882,204	252,505,375
7	SDG&E Power Franchise Charges	25,219,788	24,635,673	24,558,485	24,564,128	24,344,403	24,159,577
8	ESP Charges	9,044,605	9,039,268	9,032,189	9,046,700	9,016,440	9,017,276
9	Other Startup Charges	-	-	-	-	-	-
10	Professional Services	560,256	560,567	560,812	561,079	561,464	561,861
11	City Administration	188,450	188,554	188,637	188,727	188,856	188,990
12	Other Operating Expenses	778,348	787,261	796,259	806,730	815,250	825,762
13	Uncollectable Accounts	$ 1,563,572	$ 1,561,500	$ 1,560,337	$ 1,562,242	$ 1,558,249	$ 1,557,453
14	**Total Operating Expenses**	$ 732,726,433	$ 721,016,113	$ 720,077,475	$ 722,988,888	$ 720,652,156	$ 719,207,662
	Non-Operating Expenses						
15	Capital	$ -	$ -	$ 24,265	$ 108,224	$ -	$ 243,839
16	Debt Service	26,124,182	26,124,182	26,124,182	26,124,182	26,124,182	26,124,182
17	Other	$ -	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 26,124,182	$ 26,124,182	$ 26,148,447	$ 26,232,406	$ 26,124,182	$ 26,368,021
19	**Total Operating & Non-Operating Expenses**	**$ 758,850,615**	**$ 747,140,295**	**$ 746,225,922**	**$ 749,221,295**	**$ 746,776,338**	**$ 745,575,683**
20	Contingency/Rate Stabilization Fund	$ 77,141,423	$ 75,880,786	$ 75,775,081	$ 76,067,088	$ 75,799,709	$ 75,626,907
21	**Total Expenses Incl. Contingency**	$ 835,992,037	$ 823,021,081	$ 822,001,003	$ 825,288,383	$ 822,576,046	$ 821,202,590

City of San Diego, California CCA

Community Choice Aggregation

Projected CCA Expenses

Calendar Years 2020-2035

SCENARIO: Sensitivity 6 - Low Opt Out

Line No.	Description	2031	2032	2033	2034	2035
1	Power Procured (MWh)	5,970,868	5,991,020	5,984,587	5,990,256	5,992,504
2	Customer Accounts	500,813	502,463	501,968	502,441	502,603
	Operating Expenses by Category					
3	Salaries & Benefits	$ 6,487,904	$ 6,682,541	$ 6,883,018	$ 7,089,508	$ 7,302,193
4	Power Procurement	408,120,529	407,857,042	409,893,276	401,156,845	399,549,235
5	SDG&E Service Charges	6,226,984	6,372,445	6,493,496	6,629,606	6,764,371
6	SDG&E CRS Charges	253,747,200	255,662,563	256,528,084	258,006,140	259,608,416
7	SDG&E Power Franchise Charges	23,589,367	23,574,137	23,691,831	23,186,866	23,093,946
8	ESP Charges	9,014,639	9,044,333	9,035,430	9,043,942	9,046,849
9	Other Startup Charges	-	-	-	-	-
10	Professional Services	562,319	562,535	562,748	562,778	562,653
11	City Administration	189,144	189,216	189,288	189,298	189,256
12	Other Operating Expenses	836,489	848,919	859,586	871,243	882,690
13	Uncollectable Accounts	$ 1,557,067	$ 1,561,358	$ 1,560,842	$ 1,561,796	$ 1,562,527
14	**Total Operating Expenses**	$ 710,331,642	$ 712,355,090	$ 715,697,599	$ 708,298,021	$ 708,562,135
	Non-Operating Expenses					
15	Capital	$ -	$ 101,628	$ -	$ 29,440	$ -
16	Debt Service	26,124,182	26,124,182	26,124,182	26,124,182	26,124,182
17	Other	$ -	$ -	$ -	$ -	$ -
18	**Total Non-Operating Expenses**	$ 26,124,182	$ 26,225,810	$ 26,124,182	$ 26,153,622	$ 26,124,182
19	**Total Operating & Non-Operating Expenses**	**$ 736,455,824**	**$ 738,580,899**	**$ 741,821,781**	**$ 734,451,643**	**$ 734,686,317**
20	Contingency/Rate Stabilization Fund	$ 74,651,833	$ 74,851,841	$ 75,204,147	$ 74,386,726	$ 74,398,883
21	**Total Expenses Incl. Contingency**	$ 811,107,656	$ 813,432,741	$ 817,025,928	$ 808,838,369	$ 809,085,200

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

CCA Staffing

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description	Test Year Salaries and Benefits	FTEs
	Executive Management Positions:		
1	General Manager	$ 346,495	1
2	Assistant General Manager	284,192	1
3	Chief Financial Officer	296,215	1
4	Customer Service Manager	257,959	1
5	Human Resources Manager	257,959	1
6	Attorney	255,773	1
7	Total Executive Management Positions:	$ 1,698,592	6
	Other/Departmental Management Positions		
8	Accounting and Budget Manager	$ 134,445	1
9	Rates and Regulatory Affairs Manager	134,445	1
10	Customer Information and Billing Manager	118,049	1
11	Key Accounts Manager	126,247	1
12	DSM Program Manager	126,247	1
13	Communications and Public Relations Manager	104,932	1
14	Power Supply and Planning Manager	134,445	1
15	Information Technology Manager	118,049	1
16	Procurement and Contracts Manager	90,723	1
17	Total Other/Departmental Management Positions	$ 1,087,580	9
	Analyst, Technical, Engineering Positions		
18	Contracts Analyst	$ 89,630	1
19	Accounting and Budget Analyst	358,519	4
20	Rates and Regulatory Affairs Analyst	179,259	2
21	Power Supply Analyst	179,259	2
22	DSM Analyst	179,259	2
23	Total Analyst, Technical, Engineering Positions	$ 985,927	11
	Administrative, Customer Service, and Other Positions		
24	Executive Administrative Assistant	$ 242,656	3
25	Administrative Assistant	262,331	4
26	Customer Service Representative	278,727	5
27	Key Account Representative	177,073	2
28	Communications Specialist	88,537	1
29	IT Specialist	209,865	2
30	Human Resources Specialist	91,816	1
31	Total Administrative, Customer Service, and Other Positions	$ 1,351,004	18
32	**Total, All Positions**	**$ 5,123,103**	**44**

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 6 - Low Opt Out**

Line No.	Assumption/ Escalator	Description	2020	2021	2022	2023	2024	2025
								Summary
		Projected ESP Costs						
1		Baseload	$ 216,260	$ 6,311,696	$ 8,799,906	$ 8,788,822	$ 8,796,591	$ 8,752,631
2		Opt-up to 100%	$ 3,198	$ -	$ 293,563	$ 293,195	$ 293,459	$ 291,974
3		**Total Projected ESP Costs**	$ 219,457	$ 6,311,696	$ 9,093,469	$ 9,082,017	$ 9,090,050	$ 9,044,605
								Detail
		Customer Accounts Billing Determinants						
4		Baseload	144,173	4,207,798	5,866,604	5,859,215	5,864,394	5,835,087
4		Opt-up to 100%	2,132		195,709	195,463	195,639	194,649
5		**Total Customer Accounts Billing Determinants**	146,305	4,207,798	6,062,313	6,054,678	6,060,033	6,029,736
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	2,273,532	5,258,318	5,903,221	5,895,806	5,901,112	5,871,249
6		Opt-up to 100%	26,794	97,868	120,474	120,323	120,431	119,821
7		**Total Usage Billing Determinants By Customer Class (MWh)**	2,300,326	5,356,186	6,023,695	6,016,129	6,021,543	5,991,070
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 6 - Low Opt Out**

Line No.	Assumption/ Escalator	Description	2026	2027	2028	2029	2030	2031
		Projected ESP Costs						
1		Baseload	$ 8,747,462	$ 8,740,610	$ 8,754,649	$ 8,725,379	$ 8,726,196	$ 8,723,650
2		Opt-up to 100%	$ 291,806	$ 291,578	$ 292,052	$ 291,061	$ 291,080	$ 290,989
3		**Total Projected ESP Costs**	$ 9,039,268	$ 9,032,189	$ 9,046,700	$ 9,016,440	$ 9,017,276	$ 9,014,639
		Customer Accounts Billing Determinants						
4		Baseload	5,831,641	5,827,074	5,836,432	5,816,920	5,817,464	5,815,767
4		Opt-up to 100%	194,537	194,386	194,701	194,040	194,053	193,993
5		**Total Customer Accounts Billing Determinants**	6,026,178	6,021,459	6,031,134	6,010,960	6,011,517	6,009,759
		Usage Billing Determinants By Customer Class (MWh)						
6		Baseload	5,867,877	5,863,306	5,872,822	5,852,894	5,853,274	5,851,450
6		Opt-up to 100%	119,753	119,659	119,854	119,447	119,455	119,417
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,987,630	5,982,965	5,992,675	5,972,341	5,972,729	5,970,868
		Projected ESP Costs						
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	$ -	$ -
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA
Community Choice Aggregation
Projected ESP Costs
Calendar Years 2020-2035

SCENARIO: **Sensitivity 6 - Low Opt Out**

Line No.	Assumption/ Escalator	Description	2032	2033	2034	2035	
		Projected ESP Costs					
1		Baseload	$ 8,752,362	$ 8,743,773	$ 8,752,009	$ 8,754,805	$ 129,086,801
2		Opt-up to 100%	$ 291,971	$ 291,658	$ 291,934	$ 292,043	$ 4,091,559
3		**Total Projected ESP Costs**	$ 9,044,333	$ 9,035,430	$ 9,043,942	$ 9,046,849	$ 133,178,360
		Customer Accounts Billing Determinants					
4		Baseload	5,834,908	5,829,182	5,834,672	5,836,537	86,057,867
4		Opt-up to 100%	194,647	194,438	194,623	194,696	2,727,706
5		**Total Customer Accounts Billing Determinants**	6,029,555	6,023,620	6,029,295	6,031,232	88,785,573
		Usage Billing Determinants By Customer Class (MWh)					
6		Baseload	5,871,200	5,864,895	5,870,451	5,872,654	89,744,061
6		Opt-up to 100%	119,820	119,692	119,805	119,850	1,802,462
7		**Total Usage Billing Determinants By Customer Class (MWh)**	5,991,020	5,984,587	5,990,256	5,992,504	91,546,523
		Projected ESP Costs					
8	0%	ESP Account Fee ($/Account/Month)	$ 1.50	$ 1.50	$ 1.50	$ 1.50	
9	0%	ESP Annual IT Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
10	0%	ESP Volumetric Charge ($/MWh/Month)	$ -	$ -	$ -	$ -	
11	0%	ESP Administration Charge ($/Account/Month)	$ -	$ -	$ -	$ -	
12	0%	ESP Customer Care Charge ($/Account/Month)	$ -	$ -	$ -	$ -	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Description	Phase I	Phase II	Phase III	2021	2-Year Total
1	Revenues (With Lag)	$ 114,739,801	$ 229,666,901	$ 459,708,398	$ 797,318,308	$ 1,601,433,407
	Expenses					
2	Consultant Fees	$ 600,000	$ 300,000	$ 300,000	$ -	$ 1,200,000
3	SDG&E Fees	$ 65,336,142	$ 71,476,678	$ 186,503,496	$ 270,445,948	$ 593,762,263
4	Power Procurement	$ 130,228,174	$ 138,360,262	$ 314,286,288	$ 444,788,511	$ 1,027,663,235
5	Total ESP Charges	$ 79,505	$ 430,317	$ 6,227,303	$ 9,093,469	$ 15,830,594
6	City Administration	$ 23,125	$ 46,250	$ 123,333	$ 188,939	$ 381,647
7	Other Expenses	$ 1,303,957	$ 1,989,796	$ 3,110,287	$ 5,730,587	$ 12,134,626
8	**Subtotal Expenses**	$ 197,570,902	$ 212,603,302	$ 510,550,707	$ 730,247,454	$ 1,650,972,366
9	Contingency	$ 6,734,273	$ 7,424,304	$ 19,626,442	$ 28,545,894	62,330,913
10	**Total Expenses**	$ 204,305,175	$ 220,027,606	$ 530,177,149	$ 758,793,348	$ 1,713,303,279
11	Cash Flow	$ (89,565,374)	$ 9,639,294	$ (70,468,751)	$ 38,524,960	$ (111,869,872)
12	Cumulative Cash Flow	$ (89,565,374)	$ (79,926,080)	$ (150,394,831)	$ (111,869,872)	

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Cash Flow

SCENARIO: Sensitivity 6 - Low Opt Out

				Accounts		Load (MWh)		Consultant Fees	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	7,792	86	250,229	2,795	$ 588,000	$ 12,000
2	I	2020	Jun	8,443	89	265,782	2,920	$ -	$ -
3	I	2020	Jul	9,060	99	285,815	3,222	$ -	$ -
4	I	2020	Aug	8,719	98	275,332	3,188	$ -	$ -
5	I	2020	Sep	9,795	113	309,994	3,685	$ -	$ -
6	I	2020	Oct	8,613	98	272,019	3,185	$ -	$ -
7	II	2020	Nov	46,956	775	313,042	3,896	$ 294,000	$ 6,000
8	II	2020	Dec	44,796	776	301,319	3,902	$ -	$ -
9	II	2021	Jan	48,187	805	302,635	4,052	$ -	$ -
10	II	2021	Feb	47,431	752	304,553	3,784	$ -	$ -
11	II	2021	Mar	47,413	740	300,011	3,721	$ -	$ -
12	II	2021	Apr	47,524	724	300,412	3,643	$ -	$ -
13	III	2021	May	429,637	15,079	454,827	9,282	$ 294,000	$ 6,000
14	III	2021	Jun	440,038	15,750	475,069	9,695	$ -	$ -
15	III	2021	Jul	502,934	17,312	522,176	10,657	$ -	$ -
16	III	2021	Aug	521,736	17,264	520,752	10,628	$ -	$ -
17	III	2021	Sep	630,404	19,987	602,878	12,304	$ -	$ -
18	III	2021	Oct	531,340	17,217	519,322	10,598	$ -	$ -
19	III	2021	Nov	465,991	15,834	477,608	9,747	$ -	$ -
20	III	2021	Dec	495,162	15,850	478,075	9,757	$ -	$ -
21		2022	Jan	542,632	16,480	497,100	10,145	$ -	$ -
22		2022	Feb	452,266	15,353	463,103	9,451	$ -	$ -
23		2022	Mar	444,254	15,100	455,469	9,295	$ -	$ -
24		2022	Apr	416,982	14,710	443,717	9,055	$ -	$ -
25		2022	May	430,117	15,096	455,335	9,293	$ -	$ -
26		2022	Jun	438,827	15,707	473,761	9,669	$ -	$ -
27		2022	Jul	500,049	17,212	519,181	10,596	$ -	$ -
28		2022	Aug	522,060	17,275	521,076	10,634	$ -	$ -
29		2022	Sep	629,781	19,967	602,282	12,291	$ -	$ -
30		2022	Oct	529,596	17,161	517,617	10,564	$ -	$ -
31		2022	Nov	465,513	15,818	477,118	9,737	$ -	$ -
32		2022	Dec	494,526	15,829	477,461	9,744	$ -	$ -
		Total						$ 1,176,000	$ 24,000

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 6 - Low Opt O

Line	Phase	Year	Month	Total SDG&E Charges				
				Account Fees	CRS	Franchise Fees	Total SDG&E Charges Baseload	Total SDG&E Charges Opt-Up
1	I	2020	May	$ 1,403,975	$ 8,526,472	$ 1,074,012	$ 10,865,938	$ 138,520
2	I	2020	Jun	$ 7,110	$ 9,000,737	$ 1,178,936	$ 10,070,117	$ 116,666
3	I	2020	Jul	$ 7,632	$ 9,696,681	$ 1,259,359	$ 10,835,305	$ 128,367
4	I	2020	Aug	$ 7,347	$ 9,356,755	$ 1,336,227	$ 10,571,321	$ 129,009
5	I	2020	Sep	$ 8,256	$ 10,540,985	$ 1,421,208	$ 11,823,557	$ 146,894
6	I	2020	Oct	$ 7,259	$ 9,245,743	$ 1,257,446	$ 10,383,151	$ 127,298
7	II	2020	Nov	$ 1,430,346	$ 10,568,119	$ 1,365,548	$ 13,182,107	$ 181,905
8	II	2020	Dec	$ 37,976	$ 10,170,794	$ 1,339,775	$ 11,393,431	$ 155,114
9	II	2021	Jan	$ 41,644	$ 10,312,652	$ 1,345,800	$ 11,538,144	$ 161,951
10	II	2021	Feb	$ 40,955	$ 10,366,285	$ 1,329,724	$ 11,585,797	$ 151,168
11	II	2021	Mar	$ 40,929	$ 10,211,985	$ 1,292,445	$ 11,397,458	$ 147,901
12	II	2021	Apr	$ 41,011	$ 10,216,759	$ 1,323,932	$ 11,436,314	$ 145,388
13	III	2021	May	$ 1,768,579	$ 18,224,467	$ 1,966,966	$ 21,456,835	$ 503,178
14	III	2021	Jun	$ 387,420	$ 18,931,634	$ 2,216,619	$ 21,031,253	$ 504,420
15	III	2021	Jul	$ 442,208	$ 20,951,509	$ 2,368,416	$ 23,209,343	$ 552,790
16	III	2021	Aug	$ 458,150	$ 21,043,585	$ 2,333,287	$ 23,286,213	$ 548,809
17	III	2021	Sep	$ 552,833	$ 24,556,016	$ 2,807,548	$ 27,280,596	$ 635,801
18	III	2021	Oct	$ 466,274	$ 21,068,739	$ 2,391,520	$ 23,378,452	$ 548,081
19	III	2021	Nov	$ 409,551	$ 19,214,543	$ 2,081,693	$ 21,203,347	$ 502,440
20	III	2021	Dec	$ 434,360	$ 19,427,880	$ 1,999,698	$ 21,362,864	$ 499,073
21		2022	Jan	$ 484,751	$ 20,490,652	$ 2,136,585	$ 22,587,056	$ 524,932
22		2022	Feb	$ 405,426	$ 18,718,091	$ 1,951,922	$ 20,588,623	$ 486,815
23		2022	Mar	$ 398,260	$ 18,401,726	$ 1,909,756	$ 20,229,843	$ 479,900
24		2022	Apr	$ 374,277	$ 17,809,220	$ 1,970,700	$ 19,683,534	$ 470,663
25		2022	May	$ 385,999	$ 18,347,195	$ 1,989,990	$ 20,242,758	$ 480,426
26		2022	Jun	$ 394,080	$ 18,985,317	$ 2,004,802	$ 20,885,978	$ 498,220
27		2022	Jul	$ 448,466	$ 20,948,517	$ 2,263,806	$ 23,112,481	$ 548,307
28		2022	Aug	$ 467,604	$ 21,175,530	$ 2,370,927	$ 23,462,796	$ 551,265
29		2022	Sep	$ 563,332	$ 24,670,822	$ 2,695,692	$ 27,291,927	$ 637,919
30		2022	Oct	$ 474,038	$ 21,118,351	$ 2,344,068	$ 23,388,977	$ 547,480
31		2022	Nov	$ 417,314	$ 19,302,897	$ 2,102,413	$ 21,318,011	$ 504,613
32		2022	Dec	$ 442,478	$ 19,512,828	$ 1,968,116	$ 21,423,274	$ 500,148
		Total		$ 13,249,842	$ 521,113,487	$ 59,398,935	$ 581,506,804	$ 12,255,460

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 6 - Low Opt O

				Power Procurement		Total ESP Charges		City Administration		Other Expenses	
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up
1	I	2020	May	$ 18,317,993	$ 263,524	$ 11,688	$ 128	$ 3,777	$ 77	$ 212,980	$ 4,347
2	I	2020	Jun	$ 20,101,887	$ 294,925	$ 12,664	$ 134	$ 3,777	$ 77	$ 212,980	$ 4,347
3	I	2020	Jul	$ 21,469,250	$ 318,972	$ 13,590	$ 148	$ 3,777	$ 77	$ 212,980	$ 4,347
4	I	2020	Aug	$ 22,767,976	$ 350,140	$ 13,079	$ 146	$ 3,777	$ 77	$ 212,980	$ 4,347
5	I	2020	Sep	$ 24,222,092	$ 366,290	$ 14,692	$ 169	$ 3,777	$ 77	$ 212,980	$ 4,347
6	I	2020	Oct	$ 21,432,719	$ 322,406	$ 12,920	$ 146	$ 3,777	$ 77	$ 212,980	$ 4,347
7	II	2020	Nov	$ 23,238,406	$ 386,994	$ 70,434	$ 1,162	$ 7,554	$ 154	$ 212,980	$ 4,347
8	II	2020	Dec	$ 22,777,887	$ 401,606	$ 67,193	$ 1,163	$ 7,554	$ 154	$ 212,980	$ 4,347
9	II	2021	Jan	$ 22,873,321	$ 410,417	$ 72,281	$ 1,208	$ 7,554	$ 154	$ 381,010	$ 7,776
10	II	2021	Feb	$ 22,623,493	$ 382,114	$ 71,146	$ 1,128	$ 7,554	$ 154	$ 381,010	$ 7,776
11	II	2021	Mar	$ 21,997,972	$ 362,660	$ 71,119	$ 1,109	$ 7,554	$ 154	$ 381,010	$ 7,776
12	II	2021	Apr	$ 22,540,210	$ 365,183	$ 71,287	$ 1,086	$ 7,554	$ 154	$ 381,010	$ 7,776
13	III	2021	May	$ 33,163,043	$ 867,518	$ 644,456	$ 22,618	$ 15,108	$ 308	$ 381,010	$ 7,776
14	III	2021	Jun	$ 37,307,047	$ 1,042,768	$ 660,057	$ 23,625	$ 15,108	$ 308	$ 381,010	$ 7,776
15	III	2021	Jul	$ 39,858,397	$ 1,117,659	$ 754,400	$ 25,967	$ 15,108	$ 308	$ 381,010	$ 7,776
16	III	2021	Aug	$ 39,296,477	$ 1,071,815	$ 782,604	$ 25,897	$ 15,108	$ 308	$ 381,010	$ 7,776
17	III	2021	Sep	$ 47,325,018	$ 1,248,480	$ 945,607	$ 29,981	$ 15,108	$ 308	$ 381,010	$ 7,776
18	III	2021	Oct	$ 40,293,438	$ 1,082,343	$ 797,010	$ 25,826	$ 15,108	$ 308	$ 381,010	$ 7,776
19	III	2021	Nov	$ 35,048,003	$ 967,439	$ 698,987	$ 23,751	$ 15,108	$ 308	$ 381,010	$ 7,776
20	III	2021	Dec	$ 33,695,214	$ 901,632	$ 742,743	$ 23,774	$ 15,108	$ 308	$ 381,010	$ 7,776
21		2022	Jan	$ 35,974,367	$ 990,773	$ 813,948	$ 24,720	$ 15,430	$ 315	$ 467,998	$ 9,551
22		2022	Feb	$ 32,885,610	$ 884,672	$ 678,399	$ 23,030	$ 15,430	$ 315	$ 467,998	$ 9,551
23		2022	Mar	$ 32,151,482	$ 889,276	$ 666,381	$ 22,650	$ 15,430	$ 315	$ 467,998	$ 9,551
24		2022	Apr	$ 33,174,378	$ 920,769	$ 625,473	$ 22,066	$ 15,430	$ 315	$ 467,998	$ 9,551
25		2022	May	$ 33,528,322	$ 900,569	$ 645,175	$ 22,644	$ 15,430	$ 315	$ 467,998	$ 9,551
26		2022	Jun	$ 33,776,624	$ 908,526	$ 658,240	$ 23,560	$ 15,430	$ 315	$ 467,998	$ 9,551
27		2022	Jul	$ 38,130,409	$ 1,035,782	$ 750,074	$ 25,819	$ 15,430	$ 315	$ 467,998	$ 9,551
28		2022	Aug	$ 39,963,384	$ 1,056,112	$ 783,091	$ 25,913	$ 15,430	$ 315	$ 467,998	$ 9,551
29		2022	Sep	$ 45,404,708	$ 1,233,556	$ 944,672	$ 29,951	$ 15,430	$ 315	$ 467,998	$ 9,551
30		2022	Oct	$ 39,507,886	$ 1,046,930	$ 794,394	$ 25,741	$ 15,430	$ 315	$ 467,998	$ 9,551
31		2022	Nov	$ 35,409,450	$ 964,476	$ 698,270	$ 23,727	$ 15,430	$ 315	$ 467,998	$ 9,551
32		2022	Dec	$ 33,168,817	$ 881,634	$ 741,789	$ 23,744	$ 15,430	$ 315	$ 467,998	$ 9,551
		Total		$ 1,003,425,279	$ 24,237,956	$ 15,327,862	$ 502,732	$ 374,014	$ 7,633	$ 11,891,934	$ 242,693

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 6 - Low Opt O

				Subtotal Estimated Expenses		Contingency		Total Estimated Expenses		
Line	Phase	Year	Month	Baseload	Opt-Up	Baseload	Opt-Up	Baseload	Opt-Up	TOTAL
1	I	2020	May	$ 30,000,376	$ 418,596	$ 1,168,238	$ 15,507	$ 31,168,615	$ 434,103	$ 31,602,718
2	I	2020	Jun	$ 30,401,425	$ 416,149	$ 1,029,954	$ 12,122	$ 31,431,379	$ 428,271	$ 31,859,650
3	I	2020	Jul	$ 32,534,902	$ 451,911	$ 1,106,565	$ 13,294	$ 33,641,467	$ 465,205	$ 34,106,672
4	I	2020	Aug	$ 33,569,132	$ 483,719	$ 1,080,116	$ 13,358	$ 34,649,248	$ 497,077	$ 35,146,324
5	I	2020	Sep	$ 36,277,097	$ 517,776	$ 1,205,501	$ 15,149	$ 37,482,598	$ 532,925	$ 38,015,523
6	I	2020	Oct	$ 32,045,546	$ 454,274	$ 1,061,283	$ 13,187	$ 33,106,829	$ 467,460	$ 33,574,289
7	II	2020	Nov	$ 37,005,481	$ 580,561	$ 1,376,707	$ 19,357	$ 38,382,188	$ 599,918	$ 38,982,106
8	II	2020	Dec	$ 34,459,044	$ 562,384	$ 1,168,116	$ 16,078	$ 35,627,160	$ 578,461	$ 36,205,621
9	II	2021	Jan	$ 34,872,311	$ 581,507	$ 1,199,899	$ 17,109	$ 36,072,210	$ 598,616	$ 36,670,825
10	II	2021	Feb	$ 34,669,000	$ 542,339	$ 1,204,551	$ 16,023	$ 35,873,551	$ 558,362	$ 36,431,913
11	II	2021	Mar	$ 33,855,114	$ 519,600	$ 1,185,714	$ 15,694	$ 35,040,828	$ 535,294	$ 35,576,122
12	II	2021	Apr	$ 34,436,374	$ 519,588	$ 1,189,616	$ 15,440	$ 35,625,991	$ 535,028	$ 36,161,019
13	III	2021	May	$ 55,954,452	$ 1,407,398	$ 2,279,141	$ 53,988	$ 58,233,593	$ 1,461,386	$ 59,694,979
14	III	2021	Jun	$ 59,394,476	$ 1,578,897	$ 2,208,743	$ 53,613	$ 61,603,219	$ 1,632,510	$ 63,235,729
15	III	2021	Jul	$ 64,218,259	$ 1,704,500	$ 2,435,986	$ 58,684	$ 66,654,245	$ 1,763,184	$ 68,417,429
16	III	2021	Aug	$ 63,761,412	$ 1,654,605	$ 2,446,494	$ 58,279	$ 66,207,906	$ 1,712,884	$ 67,920,790
17	III	2021	Sep	$ 75,947,339	$ 1,922,346	$ 2,862,232	$ 67,387	$ 78,809,571	$ 1,989,732	$ 80,799,303
18	III	2021	Oct	$ 64,865,019	$ 1,664,333	$ 2,457,158	$ 58,199	$ 67,322,177	$ 1,722,532	$ 69,044,709
19	III	2021	Nov	$ 57,346,455	$ 1,501,714	$ 2,229,845	$ 53,427	$ 59,576,300	$ 1,555,141	$ 61,131,441
20	III	2021	Dec	$ 56,196,940	$ 1,432,563	$ 2,250,173	$ 53,093	$ 58,447,112	$ 1,485,656	$ 59,932,768
21		2022	Jan	$ 59,858,799	$ 1,550,291	$ 2,388,443	$ 55,952	$ 62,247,243	$ 1,606,243	$ 63,853,486
22		2022	Feb	$ 54,636,060	$ 1,404,382	$ 2,175,045	$ 51,971	$ 56,811,105	$ 1,456,353	$ 58,267,458
23		2022	Mar	$ 53,531,133	$ 1,401,691	$ 2,137,965	$ 51,242	$ 55,669,098	$ 1,452,933	$ 57,122,031
24		2022	Apr	$ 53,966,813	$ 1,423,364	$ 2,079,243	$ 50,259	$ 56,046,056	$ 1,473,623	$ 57,519,680
25		2022	May	$ 54,899,684	$ 1,413,504	$ 2,137,136	$ 51,294	$ 57,036,820	$ 1,464,797	$ 58,501,617
26		2022	Jun	$ 55,804,270	$ 1,440,172	$ 2,202,765	$ 53,165	$ 58,007,035	$ 1,493,337	$ 59,500,371
27		2022	Jul	$ 62,476,392	$ 1,619,774	$ 2,434,598	$ 58,399	$ 64,910,991	$ 1,678,173	$ 66,589,163
28		2022	Aug	$ 64,692,698	$ 1,643,156	$ 2,472,931	$ 58,704	$ 67,165,630	$ 1,701,860	$ 68,867,490
29		2022	Sep	$ 74,124,735	$ 1,911,292	$ 2,872,003	$ 67,774	$ 76,996,738	$ 1,979,066	$ 78,975,804
30		2022	Oct	$ 64,174,685	$ 1,630,017	$ 2,466,680	$ 58,309	$ 66,641,365	$ 1,688,326	$ 68,329,691
31		2022	Nov	$ 57,909,159	$ 1,502,682	$ 2,249,971	$ 53,821	$ 60,159,130	$ 1,556,502	$ 61,715,632
32		2022	Dec	$ 55,817,308	$ 1,415,391	$ 2,264,849	$ 53,376	$ 58,082,158	$ 1,468,767	$ 59,550,924
		Total		$ 1,613,701,892	$ 37,270,474	$ 61,027,661	$ 1,303,252	$ 1,674,729,554	$ 38,573,725	$ 1,713,303,279

City of San Diego, Calif

Development of CCA Prelim

Summary of Cash Flow

SCENARIO: Sensitivity 6 - Low Opt O

Line	Phase	Year	Month	Sources of Funds: Debt Proceeds/ (DS)	Sources of Funds: Estimated Revenues	Cash Flow Before Debt Service: Annual	Cash Flow Before Debt Service: Cumulative
1	I	2020	May	$ 361,300,736	$ -	$ 329,698,018	$ 329,698,018
2	I	2020	Jun	$ -	$ -	$ (31,859,650)	297,838,369
3	I	2020	Jul	$ -	$ 28,684,950	$ (5,421,722)	292,416,647
4	I	2020	Aug	$ -	$ 28,684,950	$ (6,461,374)	285,955,273
5	I	2020	Sep	$ -	$ 28,684,950	$ (9,330,572)	276,624,701
6	I	2020	Oct	$ -	$ 28,684,950	$ (4,889,339)	271,735,362
7	II	2020	Nov	$ -	$ 28,684,950	$ (10,297,156)	261,438,206
8	II	2020	Dec	$ -	$ 28,684,950	$ (7,520,671)	253,917,535
9	II	2021	Jan	$ -	$ 28,684,950	$ (7,985,875)	245,931,660
10	II	2021	Feb	$ -	$ 28,684,950	$ (7,746,962)	238,184,697
11	II	2021	Mar	$ -	$ 57,463,550	$ 21,887,428	260,072,125
12	II	2021	Apr	$ -	$ 57,463,550	$ 21,302,531	281,374,656
13	III	2021	May	$ -	$ 57,463,550	$ (2,231,430)	279,143,227
14	III	2021	Jun	$ -	$ 57,463,550	$ (5,772,180)	273,371,047
15	III	2021	Jul	$ -	$ 57,463,550	$ (10,953,880)	262,417,167
16	III	2021	Aug	$ -	$ 57,463,550	$ (10,457,240)	251,959,927
17	III	2021	Sep	$ -	$ 57,463,550	$ (23,335,753)	228,624,174
18	III	2021	Oct	$ -	$ 57,463,550	$ (11,581,159)	217,043,015
19	III	2021	Nov	$ -	$ 57,463,550	$ (3,667,891)	213,375,124
20	III	2021	Dec	$ -	$ 57,463,550	$ (2,469,218)	210,905,905
21		2022	Jan	$ -	$ 57,463,550	$ (6,389,936)	204,515,969
22		2022	Feb	$ -	$ 57,463,550	$ (803,908)	203,712,061
23		2022	Mar	$ -	$ 68,239,121	$ 11,117,089	214,829,150
24		2022	Apr	$ -	$ 68,239,121	$ 10,719,441	225,548,591
25		2022	May	$ -	$ 68,239,121	$ 9,737,503	235,286,095
26		2022	Jun	$ -	$ 68,239,121	$ 8,738,749	244,024,844
27		2022	Jul	$ -	$ 68,239,121	$ 1,649,958	245,674,802
28		2022	Aug	$ -	$ 68,239,121	$ (628,369)	245,046,432
29		2022	Sep	$ -	$ 68,239,121	$ (10,736,683)	234,309,750
30		2022	Oct	$ -	$ 68,239,121	$ (90,570)	234,219,180
31		2022	Nov	$ -	$ 68,239,121	$ 6,523,489	240,742,668
32		2022	Dec	$ -	$ 68,239,121	$ 8,688,197	249,430,865
		Total		$ 361,300,736	$ 1,601,433,407	$ 249,430,865	$ 8,009,367,241

Capitalized Interest Calc does the following:

-1) delays principal debt service pmts, by number of years of Cap I

-2) increases total debt by capitalized interest

-3) shortens total debt term by number of years of Cap I (30 yr bond with 3 years of Cap I results in a 27 year debt term)

288,330,330	Operating Costs, Average 5 Months for First Two Full Years
72,970,406	Average Annual Rate Stabilization Funding for First Two Full Years
361,300,736	Total Bond Proceeds for Operating Expenses and Contingency/Rate Stabilization Funding

Debt Service Calculations

												1	2	3	4
1												2020	2021	2022	2023
2		Annual Operating Funding Required										361,300,736	-	-	-
3															
4		Year	Term (Yrs)	Rate	Issuance Costs	Years of Capitalized Interest	Operating Proceeds Required	Issuance Costs	Bond Reserve Fund	Capitalized Interest	Total Debt Issuance	2020	2021	2022	2023
5	1	2020	30	4.00%	3.00%	2	$ 361,300,736	$ 13,059,267	$ 26,124,182	$ 34,824,712	$ 435,308,897	$ 17,412,356	$ 17,412,356	$ 26,124,182	$ 26,124,182
6	0	2021	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
7	0	2022	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
8	0	2023	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
9	0	2024	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
10	0	2025	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
11	0	2026	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
12	0	2027	5	4.00%	3.00%		-	-		-	-	-	-	-	-
13	0	2028	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
14	0	2029	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
15	0	2030	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
16	0	2031	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
17	0	2032	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
18	0	2033	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
19	0	2034	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
20	0	2035	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
21	0	2036	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
22	0	2037	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
23	0	2038	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
24	0	2039	5	4.00%	3.00%	-	-	-		-	-	-	-	-	-
25															
26											**Cumulative Annual New Bond Debt Service**	**$ 17,412,356**	**$ 17,412,356**	**$ 26,124,182**	**$ 26,124,182**

Check Bond Reserve: **OK**

Check Issuance Costs: **OK**

Debt Service Calculations

					5	6	7	8	9	10	11	12	13	14
					2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Annual Operating Funding Required					-	-	-	-	-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
2020	30	4.00%	3.00%	2	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
2021	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-	-	-	-	-
					$ 26,124,182	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**

Debt Service Calculations

					15	16	17	18	19	20
					2034	**2035**	**2036**	**2037**	**2038**	**2039**
Annual Operating Funding Required					-	-	-	-	-	-
Year	**Term (Yrs)**	**Rate**	**Issuance Costs**	**Years of Capitalized Interest**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**
2020	30	4.00%	3.00%	2	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182	$ 26,124,182
2021	5	4.00%	3.00%	-	-	-	-	-	-	-
2022	5	4.00%	3.00%	-	-	-	-	-	-	-
2023	5	4.00%	3.00%	-	-	-	-	-	-	-
2024	5	4.00%	3.00%	-	-	-	-	-	-	-
2025	5	4.00%	3.00%	-	-	-	-	-	-	-
2026	5	4.00%	3.00%	-	-	-	-	-	-	-
2027	5	4.00%	3.00%		-	-	-	-	-	-
2028	5	4.00%	3.00%	-	-	-	-	-	-	-
2029	5	4.00%	3.00%	-	-	-	-	-	-	-
2030	5	4.00%	3.00%	-	-	-	-	-	-	-
2031	5	4.00%	3.00%	-	-	-	-	-	-	-
2032	5	4.00%	3.00%	-	-	-	-	-	-	-
2033	5	4.00%	3.00%	-	-	-	-	-	-	-
2034	5	4.00%	3.00%	-	-	-	-	-	-	-
2035	5	4.00%	3.00%	-	-	-	-	-	-	-
2036	5	4.00%	3.00%	-	-	-	-	-	-	-
2037	5	4.00%	3.00%	-	-	-	-	-	-	-
2038	5	4.00%	3.00%	-	-	-	-	-	-	-
2039	5	4.00%	3.00%	-	-	-	-	-	-	-
					$ 26,124,182	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**	**$ 26,124,182**

City of San Diego, California CCA

Development of CCA Preliminary Feasibility Analysis

Summary of Opt-Out

SCENARIO: Sensitivity 6 - Low Opt Out

Line	Opt-Out Accounts	Opt-Out Rates	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1	29	Agricultural	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
2	65	Outdoor Lighting Small <20kW	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
3	8,307	Commercial/Industrial Small <20kW	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
4	1,540	Commercial/Industrial Large >20kW	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
5	81,694	Residential	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
6	17,162	Residential CARE	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
7	183	Residential Outdoor Lighting	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
	108,979																	

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 6 - Low Opt Out**

Line No.	Description	2020	2021	2022	2023	2024	2025	2026	2027
		1	2	3	4	5	6	7	8
	Computers, Software & Equipment								
1	Individual PCs, Software, and Printers	85,000	-	-	-	90,216	-	-	-
2	File Servers, Larger IT Equipment, Telecommunicat	20,000	-	-	-	-	-	-	24,265
3	Furnishings for Individual Offices, Conference Roor	35,000	-	-	-	-	-	-	-
4	Appliances and Other Misc. Facility Requirements	10,000	-	-	-	-	-	-	-
5	Billing System, Software, Consulting	150,000	-	-	-	-	-	-	-
6	**Total Computers, Software & Equipment**	$ 300,000	$ -	$ -	$ -	$ 90,216	$ -	$ -	$ 24,265
7	Individual PCs, Software, and Printers	$ 85,000	$ 86,275	$ 87,569	$ 88,883	$ 90,216	$ 91,569	$ 92,943	$ 94,337
8	File Servers, Larger IT Equipment, Telecommunications	$ 20,000	$ 20,560	$ 21,136	$ 21,727	$ 22,336	$ 22,961	$ 23,604	$ 24,265
9	Furnishings for Individual Offices, Conference Rooms,	$ 35,000	$ 35,980	$ 36,987	$ 38,023	$ 39,088	$ 40,182	$ 41,307	$ 42,464
10	Appliances and Other Misc. Facility Requirements	$ 10,000	$ 10,280	$ 10,568	$ 10,864	$ 11,168	$ 11,481	$ 11,802	$ 12,133
11	Billing System, Software, Consulting	$ 150,000	$ 154,200	$ 158,518	$ 162,956	$ 167,519	$ 172,209	$ 177,031	$ 181,988
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of San Diego, California CCA

Community Choice Aggregation

Capital Improvement Program

Calendar Years 2020-2035

SCENARIO: **Sensitivity 6 - Low Opt Out**

Line No.	Description	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL
		9	10	11	12	13	14	15	16	
	Computers, Software & Equipment									
1	Individual PCs, Software, and Printers	95,752	-	-	-	101,628	-	-	-	372,595
2	File Servers, Larger IT Equipment, Telecommunicat	-	-	-	-	-	-	29,440	-	73,705
3	Furnishings for Individual Offices, Conference Roo	-	-	46,132	-	-	-	-	-	81,132
4	Appliances and Other Misc. Facility Requirements	12,472	-	-	-	-	-	-	-	22,472
5	Billing System, Software, Consulting	-	-	197,707	-	-	-	-	-	347,707
6	**Total Computers, Software & Equipment**	$ 108,224	$ -	$ 243,839	$ -	$ 101,628	$ -	$ 29,440	$ -	$ 897,611
7	Individual PCs, Software, and Printers	$ 95,752	$ 97,188	$ 98,646	$ 100,126	$ 101,628	$ 103,152	$ 104,699	$ 106,270	
8	File Servers, Larger IT Equipment, Telecommunications	$ 24,945	$ 25,643	$ 26,361	$ 27,099	$ 27,858	$ 28,638	$ 29,440	$ 30,264	
9	Furnishings for Individual Offices, Conference Rooms,	$ 43,653	$ 44,875	$ 46,132	$ 47,423	$ 48,751	$ 50,116	$ 51,520	$ 52,962	
10	Appliances and Other Misc. Facility Requirements	$ 12,472	$ 12,821	$ 13,180	$ 13,550	$ 13,929	$ 14,319	$ 14,720	$ 15,132	
11	Billing System, Software, Consulting	$ 187,084	$ 192,322	$ 197,707	$ 203,243	$ 208,934	$ 214,784	$ 220,798	$ 226,980	
12	**Capital Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
13	**Unfunded Projects**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

City of San Diego, California CCA
CCA Rate Comparisons to SDG&E
Calendar Years 2020-2035

Baseload RPS

- Rate Comparison Agricultural PA
- Rate Comparison Small Commercial Rate A
- Rate Comparison Large Commercial Rate AL-TOU (Primary)
- Rate Comparison Residential Rate DR
- Rate Comparison Residential Rate CARE DR-LI

Opt-up to 100% RPS

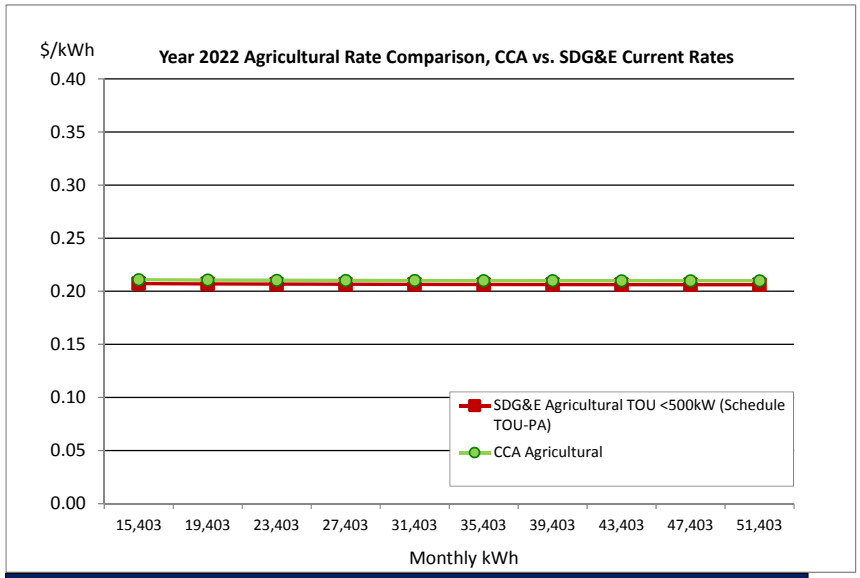
- Rate Comparison 100% RPS Agricultural PA
- Rate Comparison 100% RPS Small Commercial Rate A
- Rate Comparison 100% RPS Large Commercial Rate AL-TOU (Primary)
- Rate Comparison 100% RPS Residential Rate DR
- Rate Comparison 100% RPS Residential Rate CARE DR-LI

WILLDAN Financial Services | extending your reach

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)						CCA				Difference	
	Average Customer Usage	EEC Rate +DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			22.89		22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary												
On-Peak, Summer, $/kW	61 kW	4.26			4.26	261.89	-	-	-	-	(4.26)	(261.89)
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.2763	2,050.87	0.0891	0.1700	0.2591	1,923.55	(0.0172)	(127.32)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.2370	2,261.58	0.0891	0.1700	0.2591	2,473.14	0.0222	211.55
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.1951	3,611.21	0.0891	0.1700	0.2591	4,796.38	0.0640	1,185.17
Winter												
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.1850	447.02	0.0891	0.0559	0.1450	350.36	(0.0400)	(96.65)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.1722	1,802.19	0.0891	0.0559	0.1450	1,518.25	(0.0271)	(283.95)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.1543	2,228.46	0.0891	0.0559	0.1450	2,094.89	(0.0092)	(133.57)
Average Monthly Bill ($)						6,708.97				6,940.39		231.42
											Percentage Change	**3.4%**

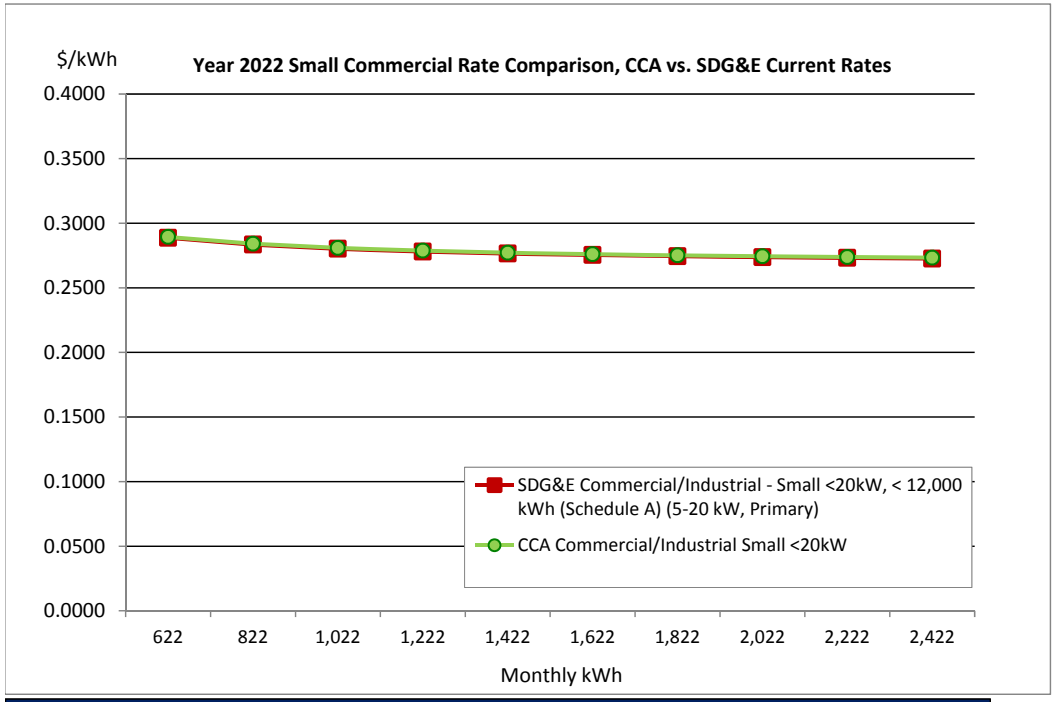


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
5-20 kW, Primary, $/mo			13.44		13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge												
Summer												
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.3047	449.78	0.1358	0.1800	0.3158	466.21	0.0111	16.43
Winter												
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.2265	309.76	0.1358	0.0801	0.2159	295.27	(0.0106)	(14.49)
Average Monthly Bill ($)						395.89				397.45		1.56
											Percentage Change	**0.4%**

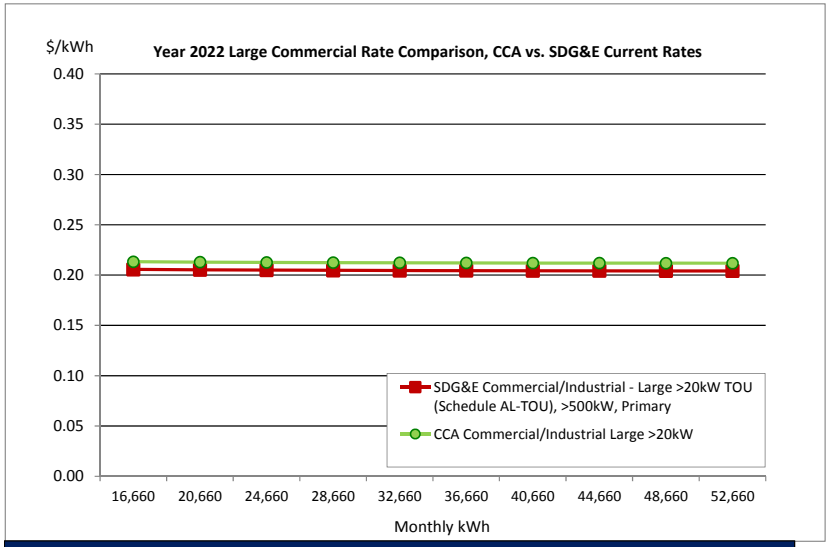


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee												
0-500kW, Primary, $/mo			36.37		36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary												
Non-Coincident, $/kW	64 kW		27.67		27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer												
On-Peak, $/kW	64 kW	12.54	11.50		24.05	1,536.85	11.50	-	11.50	735.11	(12.54)	(801.74)
Winter												
On-Peak, $/kW	64 kW		8.71		8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary												
Summer												
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	0.1540	1,107.01	0.0034	0.1900	0.1934	1,389.99	0.0394	282.98
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	0.1422	1,314.26	0.0034	0.1900	0.1934	1,787.13	0.0512	472.87
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	0.1047	1,876.30	0.0034	0.1900	0.1934	3,465.94	0.0887	1,589.65
Winter												
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	0.1396	382.11	0.0034	0.0715	0.0749	205.03	(0.0647)	(177.08)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	0.1207	1,431.55	0.0034	0.0715	0.0749	888.46	(0.0458)	(543.09)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	0.0946	1,549.08	0.0034	0.0715	0.0749	1,225.91	(0.0197)	(323.17)
Average Monthly Bill ($)						6,706.05				7,043.94		337.88
											Percentage Change	**5.0%**

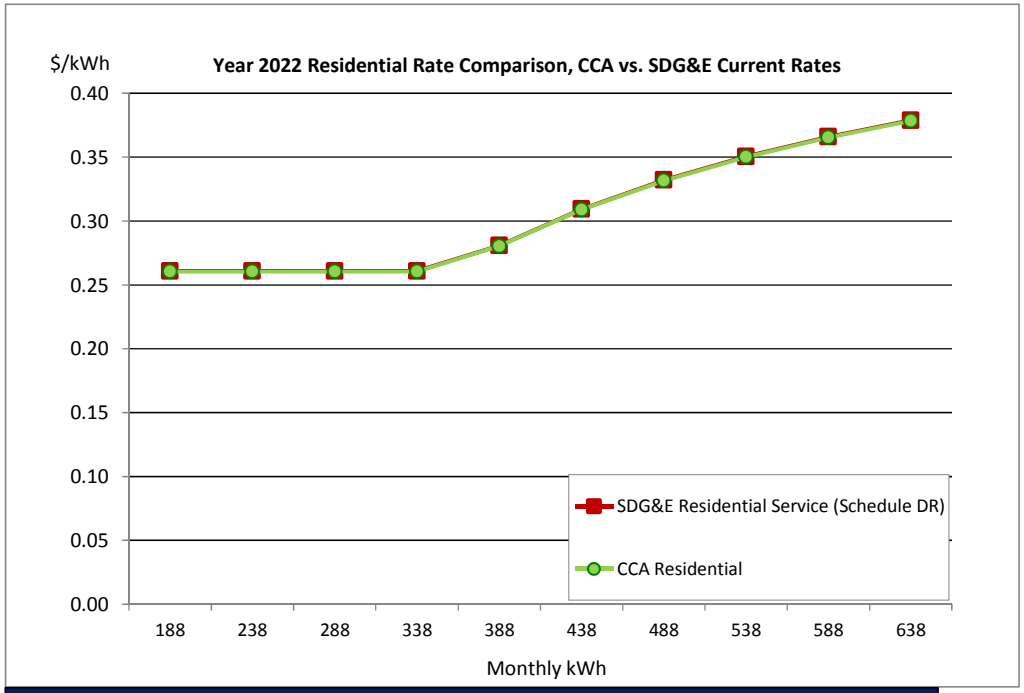


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	0.2730	97.93	0.0765	0.2100	0.2865	102.81	0.0136	4.87
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	0.5535	24.87	0.3570	0.2100	0.5670	25.48	0.0136	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	0.2478	89.40	0.1440	0.0882	0.2322	83.78	(0.0156)	(5.62)
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	0.5070	6.17	0.4032	0.0882	0.4914	5.98	(0.0156)	(0.19)
Average Monthly Bill ($)						109.73				109.79		0.06
											Percentage Change	**0.1%**

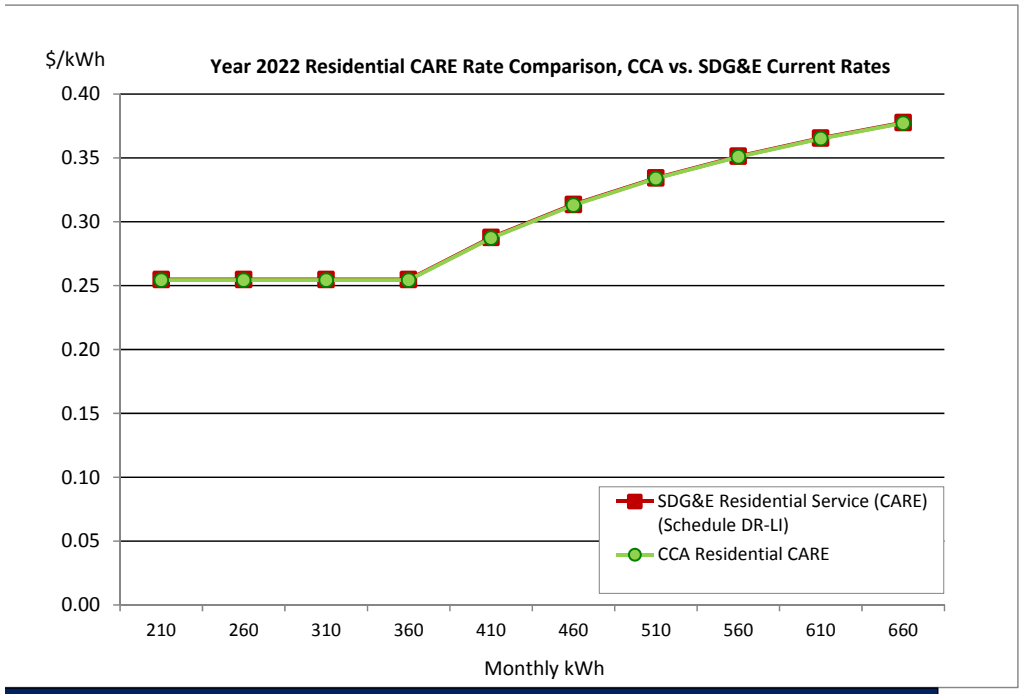


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)						CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge												
Summer												
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	0.2669	95.75	0.0759	0.2000	0.2759	99.01	0.0091	3.25
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	0.5474	36.72	0.3564	0.2000	0.5564	37.33	0.0091	0.61
Winter												
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	0.2417	87.21	0.1434	0.0876	0.2310	83.35	(0.0107)	(3.86)
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	0.5009	16.34	0.4026	0.0876	0.4902	16.00	(0.0107)	(0.35)
Average Monthly Bill ($)						118.59				118.57		(0.01)
											Percentage Change	**0.0%**

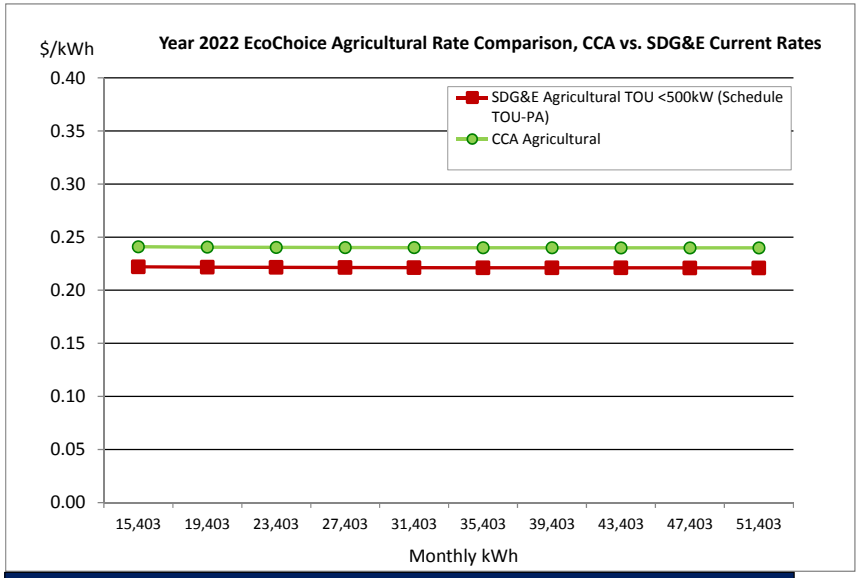


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 EcoChoice Agricultural Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Agricultural TOU <500kW (Schedule TOU-PA)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			22.89			22.89	22.89	22.89	-	22.89	22.89	-	-
Demand Charges, Primary													
On-Peak, Summer, $/kW	61 kW	4.03				4.03	247.58	-	-	-	-	(4.0288)	(247.58)
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,423 kWh	0.1807	0.0901	0.0055	0.0153	0.2916	2,164.22	0.0891	0.2000	0.2891	2,146.24	(0.0024)	(17.98)
Semi-Peak Energy, $/kWh	9,544 kWh	0.1414	0.0901	0.0055	0.0153	0.2522	2,407.32	0.0891	0.2000	0.2891	2,759.46	0.0369	352.14
Off-Peak Energy, $/kWh	18,510 kWh	0.0995	0.0901	0.0055	0.0153	0.2104	3,893.86	0.0891	0.2000	0.2891	5,351.67	0.0788	1,457.82
Winter													
On-Peak Energy, $/kWh	2,416 kWh	0.0894	0.0901	0.0055	0.0153	0.2003	483.91	0.0891	0.0859	0.1750	422.84	(0.0253)	(61.07)
Semi-Peak Energy, $/kWh	10,469 kWh	0.0765	0.0901	0.0055	0.0153	0.1874	1,962.05	0.0891	0.0859	0.1750	1,832.30	(0.0124)	(129.74)
Off-Peak Energy, $/kWh	14,445 kWh	0.0587	0.0901	0.0055	0.0153	0.1695	2,449.03	0.0891	0.0859	0.1750	2,528.23	0.0055	79.20
Average Monthly Bill ($)							7,182.25				7,898.33		716.08
												Percentage Change	**10.0%**

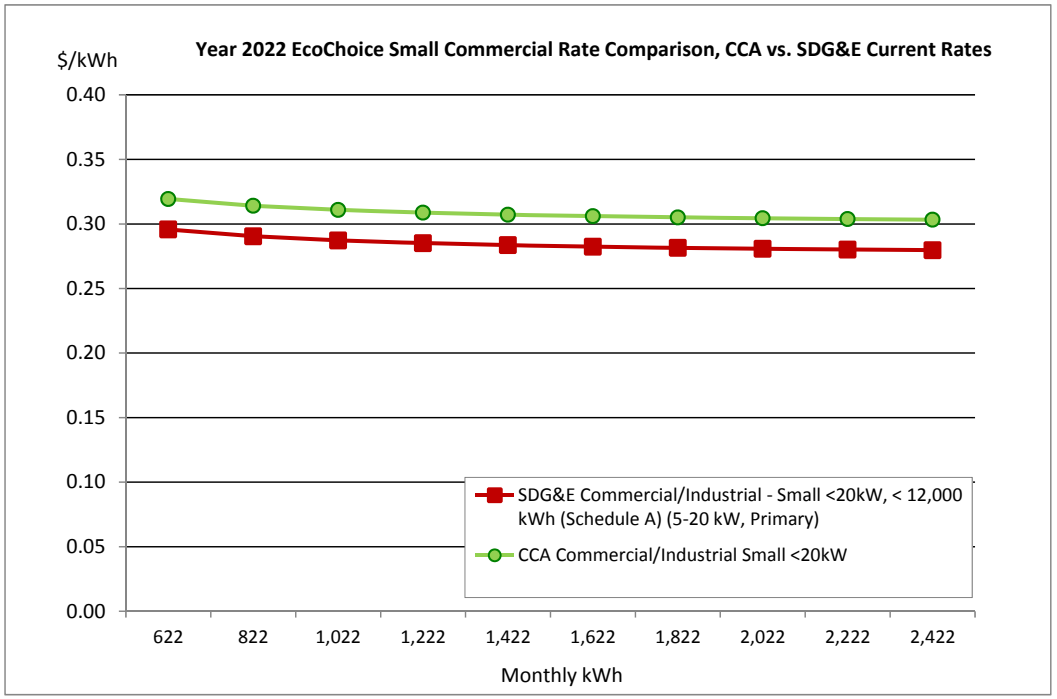


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 EcoChoice Small Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Small <20kW, < 12,000 kWh (Schedule A) (5-20 kW, Primary)								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
5-20 kW, Primary, $/mo			13.44			13.44	13.44	13.44	-	13.44	13.44	-	-
Energy Charge													
Summer													
Primary, All kWh, $/kWh	1,476 kWh	0.1615	0.1376	0.0055	0.0071	0.3117	460.20	0.1358	0.2100	0.3458	510.50	0.0341	50.30
Winter													
Primary, All kWh, $/kWh	1,368 kWh	0.0834	0.1376	0.0055	0.0071	0.2336	319.42	0.1358	0.1101	0.2459	336.30	0.0123	16.88
Average Monthly Bill ($)							405.94				440.17		34.23
												Percentage Change	**8.4%**

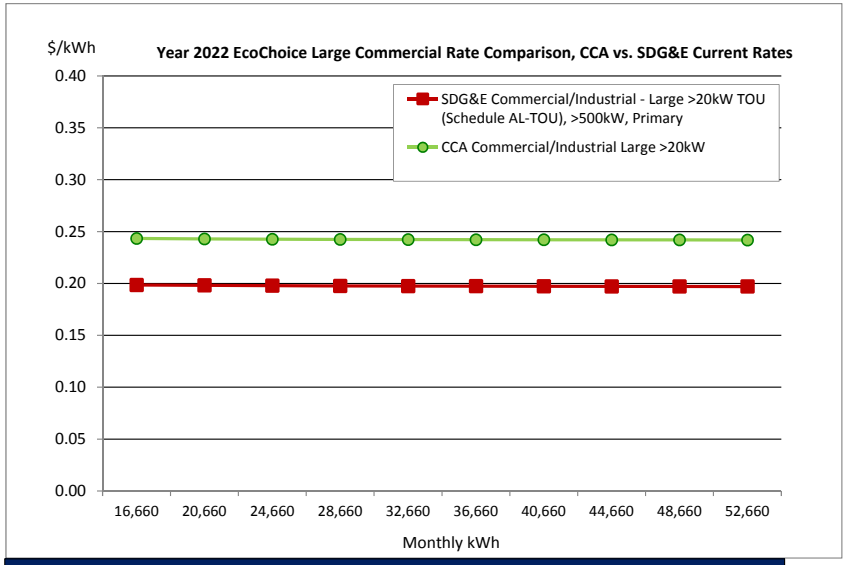


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 EcoChoice Large Commercial Rate Comparison, CCA vs. SDG&E Current Rates

SDG&E Commercial/Industrial - Large >20kW TOU (Schedule AL-TOU), >500kW, Primary								CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Basic Service Fee													
0-500kW, Primary, $/mo			36.37			36.37	36.37	36.37	-	36.37	36.37	-	-
Demand Charges, Primary													
Non-Coincident, $/kW	64 kW		27.67			27.67	1,768.57	27.67	-	27.67	1,768.57	-	-
Summer													
On-Peak, $/kW	64 kW	13.27	11.50			24.77	1,583.19	11.50	-	11.50	735.11	(13.27)	(848.08)
Winter													
On-Peak, $/kW	64 kW		8.71			8.71	556.70	8.71	-	8.71	556.70	-	-
Energy Charge, Primary													
Summer													
On-Peak Energy, $/kWh	7,187 kWh	0.1436	0.0049	0.0055	(0.0079)	0.1461	1,050.37	0.0034	0.2200	0.2234	1,605.61	0.0773	555.24
Semi-Peak Energy, $/kWh	9,241 kWh	0.1318	0.0049	0.0055	(0.0079)	0.1343	1,241.44	0.0034	0.2200	0.2234	2,064.36	0.0891	822.91
Off-Peak Energy, $/kWh	17,922 kWh	0.0943	0.0049	0.0055	(0.0079)	0.0968	1,735.07	0.0034	0.2200	0.2234	4,003.60	0.1266	2,268.53
Winter													
On-Peak Energy, $/kWh	2,738 kWh	0.1292	0.0049	0.0055	(0.0079)	0.1317	360.54	0.0034	0.1015	0.1049	287.16	(0.0268)	(73.38)
Semi-Peak Energy, $/kWh	11,863 kWh	0.1103	0.0049	0.0055	(0.0079)	0.1128	1,338.07	0.0034	0.1015	0.1049	1,244.36	(0.0079)	(93.70)
Off-Peak Energy, $/kWh	16,369 kWh	0.0842	0.0049	0.0055	(0.0079)	0.0868	1,420.09	0.0034	0.1015	0.1049	1,716.98	0.0181	296.89
Average Monthly Bill ($)							6,471.17				8,026.37		1,555.20
												Percentage Change	**24.0%**

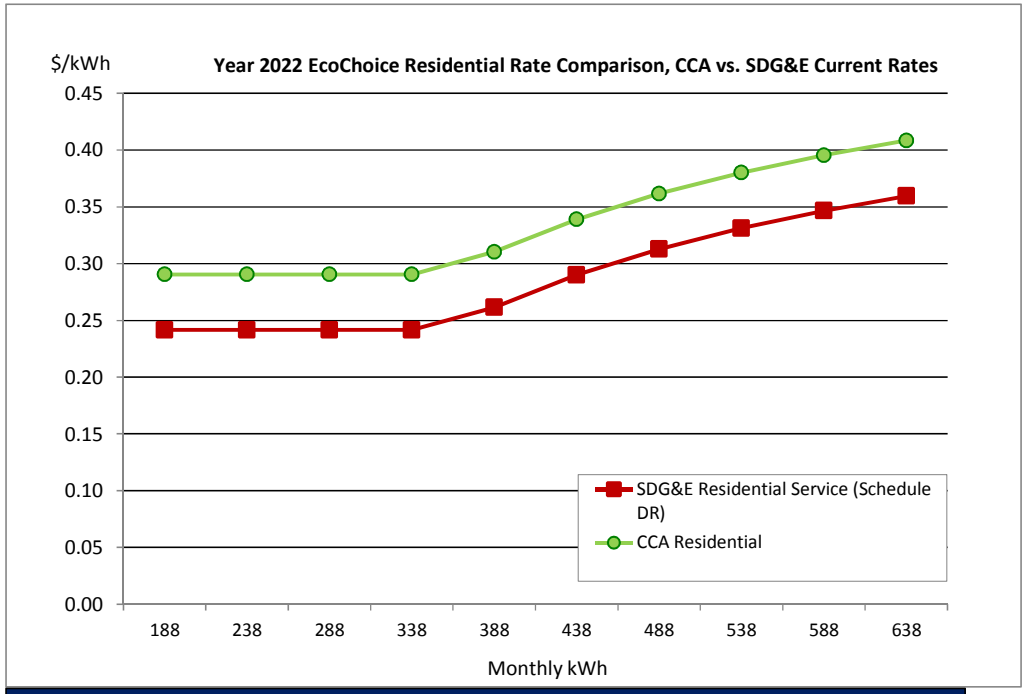


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 EcoChoice Residential Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (Schedule DR)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0783	0.0055	(0.0193)	0.2536	91.00	0.0765	0.2400	0.3165	113.57	0.0629	22.57
Above 130% of Baseline	45 kWh	0.1891	0.3589	0.0055	(0.0193)	0.5341	24.01	0.3570	0.2400	0.5970	26.83	0.0629	2.83
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1458	0.0055	(0.0193)	0.2285	82.43	0.1440	0.1182	0.2622	94.61	0.0337	12.17
Above 130% of Baseline	12 kWh	0.0965	0.4050	0.0055	(0.0193)	0.4876	5.94	0.4032	0.1182	0.5214	6.35	0.0337	0.41
Average Monthly Bill ($)							102.22				121.46		19.24
												Percentage Change	**18.8%**

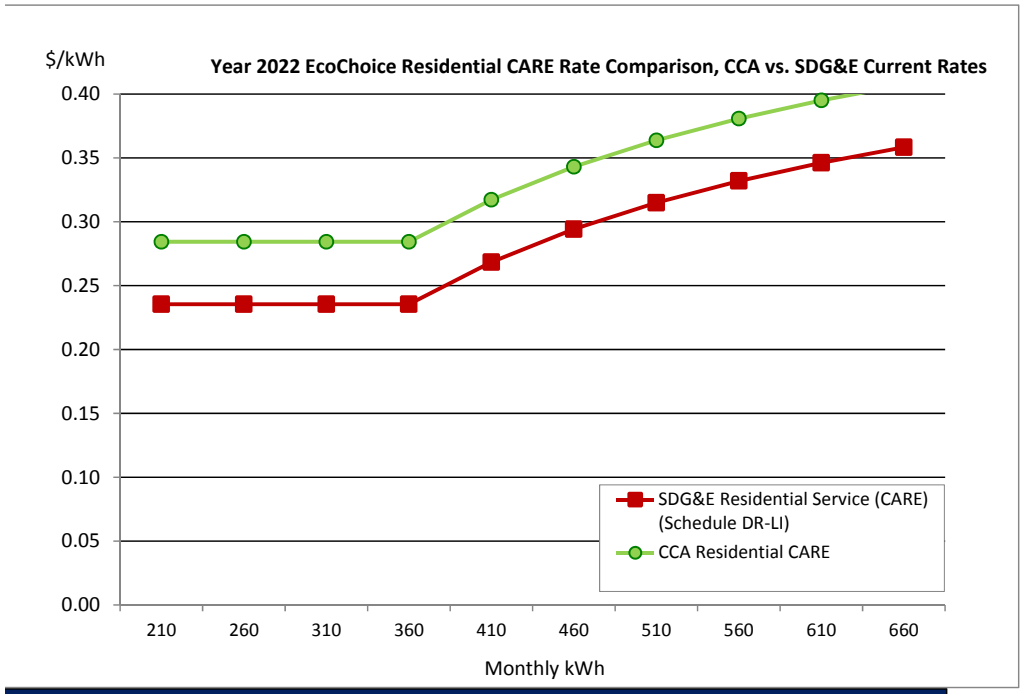


Sensitivity 6 - Low Opt Out

Scenario: Sensitivity 6 - Low Opt Out

Year 2022 EcoChoice Residential CARE Rate Comparison, CCA vs. SDG&E Current Rates

	SDG&E Residential Service (CARE) (Schedule DR-LI)							CCA				Difference	
	Average Customer Usage	EEC Rate + DWR Credit + Franchise Fees	UDC	DWR-BC	EcoChoice Premium	Total Rate	SDG&E Bill ($)	UDC Less CTC	CCA Opt to 100% Rate	Total Rate	CCA Bill ($)	Change in Rate	Change in Bill ($)
Energy Charge													
Summer													
Baseline Energy, $/kWh	359 kWh	0.1891	0.0778	-	(0.0193)	0.2475	88.82	0.0759	0.2300	0.3059	109.77	0.0584	20.95
Above 130% of Baseline	67 kWh	0.1891	0.3583	-	(0.0193)	0.5281	35.43	0.3564	0.2300	0.5864	39.34	0.0584	3.92
Winter													
Baseline Energy, $/kWh	361 kWh	0.0965	0.1452	-	(0.0193)	0.2224	80.24	0.1434	0.1176	0.2610	94.18	0.0386	13.94
Above 130% of Baseline	33 kWh	0.0965	0.4044	-	(0.0193)	0.4816	15.71	0.4026	0.1176	0.5202	16.97	0.0386	1.26
Average Monthly Bill ($)							110.66				130.88		20.22
												Percentage Change	**18.3%**



Sensitivity 6 - Low Opt Out

RESULTS

RATE COMPARISON AND OPERATING RESULTS TABLES

This page intentionally left blank.

RATE COMPARISON AND OPERATING RESULTS TABLES

RATE COMPARISON TABLES BY SCENARIO AND SENSITIVITY

The following Tables Ex-1 through Ex-11 provide the rate comparisons between the City CCA program and SDG&E for the Base Case Scenario, Scenarios 2-5, and the Sensitivity Analyses 1-6. Comparisons are provided for both the baseload portfolio (Base Rate) and the 100% renewable portfolio (Indicative EcoChoice Rate) for those scenarios and sensitivities that have 2% of CCA customers opting up to the 100% Renewable Portfolio Content optional program (the Base Case, Scenario 5, and all sensitivities). SDG&E Rates are based on the average class usage.

Table Ex-1: Base Case Scenario: 50% Renewable Portfolio Content with 2% Opt Up Rate Comparison

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1204	0.1167	0.1204	0.1177	0.1204	0.1188	0.1204	0.1199	0.1204	0.1210
Commercial/Industrial Small <20kW	0.1320	0.1313	0.1320	0.1343	0.1320	0.1374	0.1320	0.1405	0.1320	0.1438
Commercial/Industrial Large >20kW	0.1339	0.1262	0.1339	0.1299	0.1339	0.1338	0.1339	0.1378	0.1339	0.1419
Residential	0.1516	0.1519	0.1516	0.1593	0.1516	0.1670	0.1516	0.1752	0.1516	0.1837
Residential CARE	0.1461	0.1464	0.1461	0.1536	0.1461	0.1610	0.1461	0.1688	0.1461	0.1770
Average	**0.1368**	**0.1345**	**0.1368**	**0.1390**	**0.1368**	**0.1436**	**0.1368**	**0.1484**	**0.1368**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**1.72%**		**-1.55%**		**-4.73%**		**-7.83%**		**-10.85%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1504	0.1315	0.1504	0.1327	0.1504	0.1339	0.1504	0.1351	0.1504	0.1363
Commercial/Industrial Small <20kW	0.1620	0.1383	0.1620	0.1415	0.1620	0.1448	0.1620	0.1481	0.1620	0.1515
Commercial/Industrial Large >20kW	0.1639	0.1190	0.1639	0.1225	0.1639	0.1262	0.1639	0.1300	0.1639	0.1338
Residential	0.1816	0.1326	0.1816	0.1391	0.1816	0.1458	0.1816	0.1529	0.1816	0.1603
Residential CARE	0.1761	0.1271	0.1761	0.1333	0.1761	0.1398	0.1761	0.1466	0.1761	0.1537
Average	**0.1668**	**0.1297**	**0.1668**	**0.1338**	**0.1668**	**0.1381**	**0.1668**	**0.1425**	**0.1668**	**0.1471**
CCA Rate Premium/ (CCA Savings)		**28.60%**		**24.65%**		**20.80%**		**17.04%**		**13.38%**

Table Ex-2: Scenario 2 - 50% Renewable Portfolio Content Rate Comparison CCA vs. SDG&E (2022-2026)

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1204	0.1167	0.1204	0.1177	0.1204	0.1188	0.1204	0.1199	0.1204	0.1210
Commercial/Industrial Small <20kW	0.1320	0.1313	0.1320	0.1343	0.1320	0.1374	0.1320	0.1405	0.1320	0.1438
Commercial/Industrial Large >20kW	0.1339	0.1262	0.1339	0.1299	0.1339	0.1338	0.1339	0.1378	0.1339	0.1419
Residential	0.1516	0.1519	0.1516	0.1593	0.1516	0.1670	0.1516	0.1752	0.1516	0.1837
Residential CARE	0.1461	0.1464	0.1461	0.1536	0.1461	0.1610	0.1461	0.1688	0.1461	0.1770
Average	**0.1368**	**0.1345**	**0.1368**	**0.1390**	**0.1368**	**0.1436**	**0.1368**	**0.1484**	**0.1368**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**1.69%**		**-1.58%**		**-4.76%**		**-7.86%**		**-10.88%**

Table Ex-3: Scenario 3 - 80% Renewable Portfolio Content Rate Comparison CCA vs. SDG&E (2022-2026)

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1383	0.1167	0.1383	0.1177	0.1383	0.1188	0.1383	0.1199	0.1383	0.1210
Commercial/Industrial Small <20kW	0.1498	0.1313	0.1498	0.1343	0.1498	0.1374	0.1498	0.1405	0.1498	0.1438
Commercial/Industrial Large >20kW	0.1517	0.1262	0.1517	0.1299	0.1517	0.1338	0.1517	0.1378	0.1517	0.1419
Residential	0.1694	0.1519	0.1694	0.1593	0.1694	0.1670	0.1694	0.1752	0.1694	0.1837
Residential CARE	0.1639	0.1464	0.1639	0.1536	0.1639	0.1610	0.1639	0.1688	0.1639	0.1770
Average	**0.1546**	**0.1345**	**0.1546**	**0.1390**	**0.1546**	**0.1436**	**0.1546**	**0.1484**	**0.1546**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**14.97%**		**11.28%**		**7.68%**		**4.17%**		**0.76%**

Table Ex-4: Scenario 4 - 100% Renewable Portfolio Content Rate Comparison CCA vs. SDG&E (2022-2026)

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1503	0.1167	0.1503	0.1177	0.1503	0.1188	0.1503	0.1199	0.1503	0.1210
Commercial/Industrial Small <20kW	0.1619	0.1313	0.1619	0.1343	0.1619	0.1374	0.1619	0.1405	0.1619	0.1438
Commercial/Industrial Large >20kW	0.1638	0.1262	0.1638	0.1299	0.1638	0.1338	0.1638	0.1378	0.1638	0.1419
Residential	0.1815	0.1519	0.1815	0.1593	0.1815	0.1670	0.1815	0.1752	0.1815	0.1837
Residential CARE	0.1760	0.1464	0.1760	0.1536	0.1760	0.1610	0.1760	0.1688	0.1760	0.1770
Average	**0.1667**	**0.1345**	**0.1667**	**0.1390**	**0.1667**	**0.1436**	**0.1667**	**0.1484**	**0.1667**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**23.95%**		**19.97%**		**16.09%**		**12.31%**		**8.63%**

Table Ex-5: Scenario 5 - 80% Renewable Portfolio Content with 2% Opt Up Rate Comparison CCA vs. SDG&E (2022-2026)

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1383	0.1167	0.1383	0.1177	0.1383	0.1188	0.1383	0.1199	0.1383	0.1210
Commercial/Industrial Small <20kW	0.1498	0.1313	0.1498	0.1343	0.1498	0.1374	0.1498	0.1405	0.1498	0.1438
Commercial/Industrial Large >20kW	0.1517	0.1262	0.1517	0.1299	0.1517	0.1338	0.1517	0.1378	0.1517	0.1419
Residential	0.1694	0.1519	0.1694	0.1593	0.1694	0.1670	0.1694	0.1752	0.1694	0.1837
Residential CARE	0.1639	0.1464	0.1639	0.1536	0.1639	0.1610	0.1639	0.1688	0.1639	0.1770
Average	**0.1546**	**0.1345**	**0.1546**	**0.1390**	**0.1546**	**0.1436**	**0.1546**	**0.1484**	**0.1546**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**14.97%**		**11.28%**		**7.68%**		**4.17%**		**0.76%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1483	0.1315	0.1483	0.1327	0.1483	0.1339	0.1483	0.1351	0.1483	0.1363
Commercial/Industrial Small <20kW	0.1598	0.1383	0.1598	0.1415	0.1598	0.1448	0.1598	0.1481	0.1598	0.1515
Commercial/Industrial Large >20kW	0.1617	0.1190	0.1617	0.1225	0.1617	0.1262	0.1617	0.1300	0.1617	0.1338
Residential	0.1794	0.1326	0.1794	0.1391	0.1794	0.1458	0.1794	0.1529	0.1794	0.1603
Residential CARE	0.1739	0.1271	0.1739	0.1333	0.1739	0.1398	0.1739	0.1466	0.1739	0.1537
Average	**0.1646**	**0.1297**	**0.1646**	**0.1338**	**0.1646**	**0.1381**	**0.1646**	**0.1425**	**0.1646**	**0.1471**
CCA Rate Premium/ (CCA Savings)		**26.93%**		**23.03%**		**19.23%**		**15.52%**		**11.90%**

Table Ex-6: Sensitivity 1 - High SDG&E Rates Rate Comparison, CCA vs. SDG&E

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1204	0.1392	0.1204	0.1488	0.1204	0.1591	0.1204	0.1701	0.1204	0.1819
Commercial/Industrial Small <20kW	0.1320	0.1585	0.1320	0.1716	0.1320	0.1858	0.1320	0.2013	0.1320	0.2180
Commercial/Industrial Large >20kW	0.1339	0.1531	0.1339	0.1668	0.1339	0.1818	0.1339	0.1982	0.1339	0.2160
Residential	0.1516	0.1874	0.1516	0.2077	0.1516	0.2302	0.1516	0.2552	0.1516	0.2829
Residential CARE	0.1461	0.1813	0.1461	0.2009	0.1461	0.2228	0.1461	0.2469	0.1461	0.2737
Average	**0.1368**	**0.1639**	**0.1368**	**0.1792**	**0.1368**	**0.1960**	**0.1368**	**0.2143**	**0.1368**	**0.2345**
CCA Rate Premium/ (CCA Savings)		**-16.52%**		**-23.65%**		**-30.18%**		**-36.17%**		**-41.66%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1504	0.1550	0.1504	0.1657	0.1504	0.1771	0.1504	0.1894	0.1504	0.2025
Commercial/Industrial Small <20kW	0.1620	0.1661	0.1620	0.1799	0.1620	0.1948	0.1620	0.2110	0.1620	0.2285
Commercial/Industrial Large >20kW	0.1639	0.1454	0.1639	0.1584	0.1639	0.1727	0.1639	0.1882	0.1639	0.2051
Residential	0.1816	0.1659	0.1816	0.1839	0.1816	0.2039	0.1816	0.2260	0.1816	0.2506
Residential CARE	0.1761	0.1599	0.1761	0.1772	0.1761	0.1964	0.1761	0.2178	0.1761	0.2414
Average	**0.1668**	**0.1584**	**0.1668**	**0.1730**	**0.1668**	**0.1890**	**0.1668**	**0.2065**	**0.1668**	**0.2256**
CCA Rate Premium/ (CCA Savings)		**5.28%**		**-3.60%**		**-11.74%**		**-19.21%**		**-26.06%**

Table Ex-7: Sensitivity 2 - Low SDG&E Rates Rate Comparison, CCA vs. SDG&E

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1204	0.1111	0.1204	0.1099	0.1204	0.1087	0.1204	0.1075	0.1204	0.1064
Commercial/Industrial Small <20kW	0.1320	0.1268	0.1320	0.1272	0.1320	0.1276	0.1320	0.1280	0.1320	0.1284
Commercial/Industrial Large >20kW	0.1339	0.1228	0.1339	0.1240	0.1339	0.1252	0.1339	0.1264	0.1339	0.1277
Residential	0.1516	0.1506	0.1516	0.1549	0.1516	0.1594	0.1516	0.1639	0.1516	0.1686
Residential CARE	0.1461	0.1450	0.1461	0.1491	0.1461	0.1534	0.1461	0.1578	0.1461	0.1623
Average	**0.1368**	**0.1313**	**0.1368**	**0.1330**	**0.1368**	**0.1348**	**0.1368**	**0.1367**	**0.1368**	**0.1386**
CCA Rate Premium/ (CCA Savings)		**4.22%**		**2.84%**		**1.46%**		**0.07%**		**-1.32%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1504	0.1258	0.1504	0.1244	0.1504	0.1231	0.1504	0.1217	0.1504	0.1204
Commercial/Industrial Small <20kW	0.1620	0.1339	0.1620	0.1343	0.1620	0.1347	0.1620	0.1351	0.1620	0.1355
Commercial/Industrial Large >20kW	0.1639	0.1155	0.1639	0.1166	0.1639	0.1178	0.1639	0.1189	0.1639	0.1201
Residential	0.1816	0.1308	0.1816	0.1345	0.1816	0.1383	0.1816	0.1423	0.1816	0.1463
Residential CARE	0.1761	0.1251	0.1761	0.1287	0.1761	0.1324	0.1761	0.1361	0.1761	0.1400
Average	**0.1668**	**0.1262**	**0.1668**	**0.1277**	**0.1668**	**0.1292**	**0.1668**	**0.1308**	**0.1668**	**0.1325**
CCA Rate Premium/ (CCA Savings)		**32.16%**		**30.62%**		**29.06%**		**27.49%**		**25.92%**

Table Ex-8: Sensitivity 3 - High PCIA Rate Comparison, CCA vs. SDG&E

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1401	0.1167	0.1401	0.1177	0.1401	0.1188	0.1401	0.1199	0.1401	0.1210
Commercial/Industrial Small <20kW	0.1558	0.1313	0.1558	0.1343	0.1558	0.1374	0.1558	0.1405	0.1558	0.1438
Commercial/Industrial Large >20kW	0.1595	0.1262	0.1595	0.1299	0.1595	0.1338	0.1595	0.1378	0.1595	0.1419
Residential	0.1907	0.1519	0.1907	0.1593	0.1907	0.1670	0.1907	0.1752	0.1907	0.1837
Residential CARE	0.1852	0.1464	0.1852	0.1536	0.1852	0.1610	0.1852	0.1688	0.1852	0.1770
Average	**0.1663**	**0.1345**	**0.1663**	**0.1390**	**0.1663**	**0.1436**	**0.1663**	**0.1484**	**0.1663**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**23.62%**		**19.65%**		**15.78%**		**12.01%**		**8.34%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1701	0.1315	0.1701	0.1327	0.1701	0.1339	0.1701	0.1351	0.1701	0.1363
Commercial/Industrial Small <20kW	0.1858	0.1383	0.1858	0.1415	0.1858	0.1448	0.1858	0.1481	0.1858	0.1515
Commercial/Industrial Large >20kW	0.1895	0.1190	0.1895	0.1225	0.1895	0.1262	0.1895	0.1300	0.1895	0.1338
Residential	0.2207	0.1326	0.2207	0.1391	0.2207	0.1458	0.2207	0.1529	0.2207	0.1603
Residential CARE	0.2152	0.1271	0.2152	0.1333	0.2152	0.1398	0.2152	0.1466	0.2152	0.1537
Average	**0.1963**	**0.1297**	**0.1963**	**0.1338**	**0.1963**	**0.1381**	**0.1963**	**0.1425**	**0.1963**	**0.1471**
CCA Rate Premium/ (CCA Savings)		**51.31%**		**46.67%**		**42.14%**		**37.71%**		**33.40%**

Table Ex-9: Sensitivity 4 - Low PCIA Rate Comparison, CCA vs. SDG&E

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1168	0.1167	0.1168	0.1177	0.1168	0.1188	0.1168	0.1199	0.1168	0.1210
Commercial/Industrial Small <20kW	0.1277	0.1313	0.1277	0.1343	0.1277	0.1374	0.1277	0.1405	0.1277	0.1438
Commercial/Industrial Large >20kW	0.1293	0.1262	0.1293	0.1299	0.1293	0.1338	0.1293	0.1378	0.1293	0.1419
Residential	0.1445	0.1519	0.1445	0.1593	0.1445	0.1670	0.1445	0.1752	0.1445	0.1837
Residential CARE	0.1390	0.1464	0.1390	0.1536	0.1390	0.1610	0.1390	0.1688	0.1390	0.1770
Average	**0.1315**	**0.1345**	**0.1315**	**0.1390**	**0.1315**	**0.1436**	**0.1315**	**0.1484**	**0.1315**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**-2.26%**		**-5.40%**		**-8.46%**		**-11.44%**		**-14.34%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1468	0.1315	0.1468	0.1327	0.1468	0.1339	0.1468	0.1351	0.1468	0.1363
Commercial/Industrial Small <20kW	0.1577	0.1383	0.1577	0.1415	0.1577	0.1448	0.1577	0.1481	0.1577	0.1515
Commercial/Industrial Large >20kW	0.1593	0.1190	0.1593	0.1225	0.1593	0.1262	0.1593	0.1300	0.1593	0.1338
Residential	0.1745	0.1326	0.1745	0.1391	0.1745	0.1458	0.1745	0.1529	0.1745	0.1603
Residential CARE	0.1690	0.1271	0.1690	0.1333	0.1690	0.1398	0.1690	0.1466	0.1690	0.1537
Average	**0.1615**	**0.1297**	**0.1615**	**0.1338**	**0.1615**	**0.1381**	**0.1615**	**0.1425**	**0.1615**	**0.1471**
CCA Rate Premium/ (CCA Savings)		**24.47%**		**20.65%**		**16.93%**		**13.29%**		**9.74%**

Table Ex-10: Sensitivity 5 - High Opt Out Rate Comparison, CCA vs. SDG&E

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1205	0.1167	0.1205	0.1177	0.1205	0.1188	0.1205	0.1199	0.1205	0.1210
Commercial/Industrial Small <20kW	0.1321	0.1313	0.1321	0.1343	0.1321	0.1374	0.1321	0.1405	0.1321	0.1438
Commercial/Industrial Large >20kW	0.1340	0.1262	0.1340	0.1299	0.1340	0.1338	0.1340	0.1378	0.1340	0.1419
Residential	0.1517	0.1519	0.1517	0.1593	0.1517	0.1670	0.1517	0.1752	0.1517	0.1837
Residential CARE	0.1462	0.1464	0.1462	0.1536	0.1462	0.1610	0.1462	0.1688	0.1462	0.1770
Average	**0.1369**	**0.1345**	**0.1369**	**0.1390**	**0.1369**	**0.1436**	**0.1369**	**0.1484**	**0.1369**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**1.78%**		**-1.49%**		**-4.68%**		**-7.78%**		**-10.80%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1505	0.1315	0.1505	0.1327	0.1505	0.1339	0.1505	0.1351	0.1505	0.1363
Commercial/Industrial Small <20kW	0.1621	0.1383	0.1621	0.1415	0.1621	0.1448	0.1621	0.1481	0.1621	0.1515
Commercial/Industrial Large >20kW	0.1640	0.1190	0.1640	0.1225	0.1640	0.1262	0.1640	0.1300	0.1640	0.1338
Residential	0.1817	0.1326	0.1817	0.1391	0.1817	0.1458	0.1817	0.1529	0.1817	0.1603
Residential CARE	0.1762	0.1271	0.1762	0.1333	0.1762	0.1398	0.1762	0.1466	0.1762	0.1537
Average	**0.1669**	**0.1297**	**0.1669**	**0.1338**	**0.1669**	**0.1381**	**0.1669**	**0.1425**	**0.1669**	**0.1471**
CCA Rate Premium/ (CCA Savings)		**28.67%**		**24.72%**		**20.86%**		**17.10%**		**13.43%**

Table Ex-11: Sensitivity 6 - Low Opt Out Rate Comparison, CCA vs. SDG&E

Indicative Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1204	0.1167	0.1204	0.1177	0.1204	0.1188	0.1204	0.1199	0.1204	0.1210
Commercial/Industrial Small <20kW	0.1320	0.1313	0.1320	0.1343	0.1320	0.1374	0.1320	0.1405	0.1320	0.1438
Commercial/Industrial Large >20kW	0.1338	0.1262	0.1338	0.1299	0.1338	0.1338	0.1338	0.1378	0.1338	0.1419
Residential	0.1515	0.1519	0.1515	0.1593	0.1515	0.1670	0.1515	0.1752	0.1515	0.1837
Residential CARE	0.1460	0.1464	0.1460	0.1536	0.1460	0.1610	0.1460	0.1688	0.1460	0.1770
Average	**0.1367**	**0.1345**	**0.1367**	**0.1390**	**0.1367**	**0.1436**	**0.1367**	**0.1484**	**0.1367**	**0.1535**
CCA Rate Premium/ (CCA Savings)		**1.66%**		**-1.60%**		**-4.79%**		**-7.88%**		**-10.90%**

Indicative EcoChoice Generation Rate Comparison in $/kWh										
	2022		2023		2024		2025		2026	
Rate Class	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates	CCA Rates	SDG&E Rates
Agriculture	0.1504	0.1315	0.1504	0.1327	0.1504	0.1339	0.1504	0.1351	0.1504	0.1363
Commercial/Industrial Small <20kW	0.1620	0.1383	0.1620	0.1415	0.1620	0.1448	0.1620	0.1481	0.1620	0.1515
Commercial/Industrial Large >20kW	0.1638	0.1190	0.1638	0.1225	0.1638	0.1262	0.1638	0.1300	0.1638	0.1338
Residential	0.1815	0.1326	0.1815	0.1391	0.1815	0.1458	0.1815	0.1529	0.1815	0.1603
Residential CARE	0.1760	0.1271	0.1760	0.1333	0.1760	0.1398	0.1760	0.1466	0.1760	0.1537
Average	**0.1667**	**0.1297**	**0.1667**	**0.1338**	**0.1667**	**0.1381**	**0.1667**	**0.1425**	**0.1667**	**0.1471**
CCA Rate Premium/ (CCA Savings)		**28.54%**		**24.60%**		**20.75%**		**16.99%**		**13.33%**

KEY OPERATING RESULTS BY SCENARIO

The key financial metrics of net margins and working capital from the scenarios are summarized in Table Ex-12. For Scenario 2, as in the Base Case, the CCA has negative net margins for the initial years, again eventually becoming positive and growing steadily throughout the remainder of the Study period. Working capital is deemed sufficient and within acceptable targets. Scenario 3 shows a longer period of negative net margins, and an uneven growth in net margins once becoming positive, and remaining positive from 2026 to the end of the Study period. Again, working capital is deemed sufficient. For Scenario 4, net margins are negative from onset through 2025, and again for years 2028-2030, and 2033. However, working capital is sufficient. For Scenario 5, net margins are also negative through 2025 and in years 2028-2030. Working capital does not meet the target for most years of the Study period, but does not fall to an unacceptable level, again given the conservative target requirements.

Table Ex-12: Comparison of Scenario Key Operating Results

	Scenario 2 - 50% RPC			Scenario 3 - 80% RPS 95% CI			Scenario 4 - 100% RPS 95% CI			Scenario 5 - 80% RPS 2% Opt Up to 100%		
Year	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)
2020	(79,516)	176,792	179%	(89,352)	201,082	182%	(95,673)	217,816	185%	(90,393)	200,461	182%
2021	(38,263)	12,924	5%	(43,591)	18,096	7%	(46,671)	22,534	8%	(47,633)	13,327	5%
2022	(7,365)	(25,783)	-9%	(5,796)	(21,121)	-7%	(4,975)	(17,516)	-5%	(11,340)	(31,582)	-10%
2023	(1,482)	(31,006)	-11%	(1,807)	(27,798)	-9%	(669)	(23,334)	-7%	(7,580)	(44,043)	-14%
2024	1,326	(29,764)	-11%	(1,123)	(29,673)	-10%	(3,287)	(28,401)	-9%	(7,000)	(51,808)	-17%
2025	4,733	(22,571)	-8%	(3,068)	(31,790)	-10%	(6,605)	(34,384)	-10%	(9,030)	(59,901)	-20%
2026	15,851	(2,853)	-1%	12,846	(13,539)	-5%	11,626	(16,603)	-5%	6,886	(47,593)	-16%
2027	16,429	13,822	5%	11,861	(1,879)	-1%	9,602	(7,501)	-2%	5,822	(41,978)	-14%
2028	14,595	27,126	10%	4,243	(727)	0%	(1,546)	(13,242)	-4%	(1,927)	(47,017)	-15%
2029	15,326	42,972	16%	4,464	4,212	1%	(2,354)	(15,365)	-5%	(1,774)	(48,321)	-16%
2030	16,394	59,563	22%	3,845	7,786	3%	(3,442)	(19,190)	-6%	(2,471)	(51,068)	-17%
2031	25,856	88,031	33%	14,347	25,112	8%	7,619	(8,394)	-3%	7,992	(40,091)	-13%
2032	26,048	113,090	42%	16,102	40,653	13%	9,284	265	0%	9,677	(30,973)	-10%
2033	22,808	134,698	50%	7,098	44,822	15%	(2,286)	(5,708)	-2%	544	(33,378)	-11%
2034	31,109	167,879	63%	19,149	67,225	22%	12,250	10,572	3%	12,582	(17,526)	-6%
2035	31,604	199,130	74%	16,633	82,602	27%	9,285	18,475	6%	9,974	(8,815)	-3%
NPV of Net Margin:	***$19,600***			***($67,096)***			***($116,348)***			***($131,647)***		

KEY OPERATING RESULTS BY SENSITIVITY

The key financial metrics of net margins and working capital from the scenarios are summarized in Table Ex-13.

Table Ex-1: Comparison of Sensitivity Analyses Key Operating Results

	Sensitivity 1 - High SDG&E Rates			Sensitivity 2 - Low SDG&E Rates			Sensitivity 3 - High PCIA			Sensitivity 4 - Low PCIA			Sensitivity 5 - High Opt Out			Sensitivity 6 - Low Opt Out		
Year	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)	Net Margin* ($000s)	Working Capital Surplus/ (Deficiency) ($000s)	Working Capital Surplus/ (Deficiency) (%)
2020	(80,617)	176,853	178%	(80,617)	176,853	178%	(62,845)	236,320	218%	(83,019)	166,324	171%	(75,935)	165,451	178%	(85,314)	188,241	179%
2021	(42,518)	8,297	3%	(42,518)	8,297	3%	9,017	94,653	34%	(49,772)	(4,481)	-2%	(39,967)	7,332	3%	(45,121)	9,196	4%
2022	(13,063)	(36,345)	-13%	(13,063)	(36,345)	-13%	23,512	66,339	20%	(17,986)	(50,566)	-19%	(12,254)	(34,500)	-13%	(13,948)	(38,330)	-13%
2023	(7,421)	(47,536)	-17%	(7,421)	(47,536)	-17%	(5,162)	40,187	11%	(7,587)	(59,462)	-23%	(6,970)	(45,010)	-17%	(7,952)	(50,283)	-17%
2024	(4,783)	(52,436)	-19%	(4,783)	(52,436)	-19%	(45,836)	(25,137)	-7%	571	(56,538)	-22%	(4,513)	(49,637)	-19%	(5,132)	(55,535)	-19%
2025	(1,539)	(51,550)	-19%	(1,539)	(51,550)	-19%	(82,827)	(122,997)	-32%	8,000	(44,325)	-17%	(1,480)	(48,848)	-19%	(1,678)	(54,631)	-19%
2026	9,660	(37,979)	-14%	9,660	(37,979)	-14%	(117,342)	(256,358)	-64%	23,492	(15,068)	-6%	9,007	(36,181)	-14%	10,233	(40,238)	-14%
2027	10,123	(27,626)	-10%	10,123	(27,626)	-10%	(169,460)	(448,421)	-106%	28,459	15,557	6%	9,426	(26,546)	-10%	10,738	(29,250)	-10%
2028	8,057	(20,911)	-8%	8,057	(20,911)	-8%	(232,322)	(709,125)	-157%	31,337	47,692	19%	7,471	(20,338)	-8%	8,561	(22,110)	-8%
2029	8,687	(11,716)	-4%	8,687	(11,716)	-4%	(297,630)	(1,035,578)	-215%	36,835	87,068	35%	8,054	(11,815)	-5%	9,238	(12,327)	-4%
2030	9,645	(1,887)	-1%	9,645	(1,887)	-1%	(369,620)	(1,437,640)	-280%	42,620	131,892	54%	8,922	(2,727)	-1%	10,284	(1,842)	-1%
2031	19,098	19,841	7%	19,098	19,841	7%	(440,088)	(1,910,845)	-349%	56,784	193,257	81%	17,783	17,516	7%	20,326	21,285	7%
2032	19,231	38,086	14%	19,231	38,086	14%	(529,753)	(2,481,961)	-422%	61,704	255,981	108%	17,888	34,474	14%	20,487	40,733	14%
2033	15,756	52,592	19%	15,756	52,592	19%	(630,233)	(3,156,833)	-499%	62,822	319,406	135%	14,621	47,916	19%	16,805	56,215	20%
2034	24,123	78,828	29%	24,123	78,828	29%	(731,178)	(3,934,861)	-579%	75,926	399,359	171%	22,446	72,337	29%	25,711	84,179	30%
2035	24,486	102,943	38%	24,486	102,943	38%	(852,713)	(4,842,521)	-659%	81,090	481,995	208%	22,771	94,753	38%	26,111	109,903	38%
NPV of Net Margin:	***($48,354)***			***($48,354)***			***($2,774,365)***			***$165,964***			***($46,565)***			***($51,010)***		

WILLDAN

27368 Via Industria, Suite 200
Temecula, California 92590-4856
800.755.6864 | 951.587.3500 | Fax: 951.587.3510
www.willdan.com