

TOTALIZED MICROGRID FINANCIAL RESULTS

FINANCIAL RESULTS

The detailed results of the Financial Modeling for the totalized site portfolio are included below for the 24-hour, 48-hour, and 72-hour resiliency scenarios with a 90% likelihood of ride-through.

TABLE 1: CURRENT ELECTRIC BILL STATEMENT

Time Period		Energy Use (kWh)				Max Demand (kW)		Charges (\$)			
Month	Season	On-Peak	Mid-Peak	Off-Peak	Super Off-Peak	On-Peak	Mid-Peak	Energy	Demand	Non-Bypassable	Total
January	Winter	0	56,566	55,891	51,948	0	1,354	28,479	10,207	3,313	41,999
February	Winter	0	52,966	51,178	47,070	0	1,335	25,545	10,004	3,201	38,750
March	Winter	0	58,625	56,370	53,469	0	1,391	28,522	9,894	3,307	41,723
April	Winter	0	54,931	53,138	51,157	0	1,446	26,766	9,399	3,250	39,415
May	Winter	0	58,819	54,676	56,955	0	1,590	28,620	9,558	3,318	41,496
June	Summer	45,434	13,765	109,130	0	1,573	1,310	39,662	16,624	3,305	59,591
July	Summer	39,265	15,807	156,861	0	1,127	827	45,257	19,146	3,573	67,975
August	Summer	48,879	13,912	170,300	0	1,337	1,094	51,332	20,010	3,702	75,045
September	Summer	51,000	20,118	145,963	0	1,313	1,295	50,755	21,194	3,604	75,553
October	Winter	0	63,447	62,306	65,489	0	1,323	31,208	11,105	3,446	45,758
November	Winter	0	55,465	54,443	50,957	0	1,386	26,938	10,161	3,260	40,359
December	Winter	0	57,489	56,842	49,942	0	1,552	27,794	9,827	3,281	40,902
Total		184,579	521,910	1,027,098	426,988	5,349	15,903	410,878	157,128	40,561	608,567

TABLE 2: NEW ELECTRIC BILL STATEMENT

Time Period		Energy Use (kWh)				Max Demand (kW)		Charges (\$)			
Month	Season	On-Peak	Mid-Peak	Off-Peak	Super Off-Peak	On-Peak	Mid-Peak	Energy	Demand	Non-Bypassable	Total
January	Winter	0	6,244	88,191	14,864	0	665	14,830	4,628	2,320	21,778
February	Winter	0	5,561	80,136	12,102	0	411	12,869	4,998	2,314	20,180
March	Winter	0	3,021	82,992	6,721	0	383	11,835	3,836	2,312	17,983
April	Winter	0	1,947	75,545	4,118	0	130	9,978	3,358	2,308	15,643
May	Winter	0	3,339	80,814	4,361	0	622	10,735	3,021	2,310	16,067
June	Summer	4,858	18	86,965	0	685	11	11,469	4,180	2,312	17,961
July	Summer	8,368	1,346	98,928	0	266	173	14,084	5,727	2,318	22,129
August	Summer	11,357	1,754	111,417	0	389	169	19,359	6,138	2,324	27,821
September	Summer	14,823	4,282	104,709	0	308	250	23,078	6,759	2,324	32,161
October	Winter	0	13,285	87,264	14,527	0	503	14,897	5,075	2,321	22,292
November	Winter	0	5,437	84,576	14,105	0	499	13,653	5,114	2,316	21,083
December	Winter	0	7,729	91,207	19,329	0	864	15,700	4,674	2,322	22,696
Total		39,405	53,963	1,072,745	90,125	1,648	4,678	172,486	57,507	27,801	257,794

TABLE 3: KEY FINANCIAL INPUTS & METRICS – PV + BESS DIRECT PURCHASE

Key Financial Outputs			
PV Cost	(\$3,912,614)	Total Energy Financial Benefit (Year 1)	\$338,013
BESS Cost	(\$10,875,906)	25-Year Total Energy Financial Benefit	\$12,741,547
Upfront Payment	(\$14,788,520)	25-Year NPV	(\$2,117,281)
Total O&M Cost	(\$4,506,864)	Payback Year	26+
Total Project Costs	(\$19,295,384)		
Total Incentives	\$4,436,556		
Net Payments	(\$14,858,828)		

TABLE 4: PV + BESS DIRECT PURCHASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Cost (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	BESS O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	(3,912,614)	(10,875,906)	-	-	-	(14,788,520)	(14,788,520)	(14,788,520)	(14,788,520)
1	1,472,776	238,392	99,622	338,013	-	-	4,436,556	(17,860)	(114,083)	4,642,627	4,507,404	(10,145,893)	(10,281,115)
2	1,465,412	243,229	103,751	346,980	-	-	-	(18,306)	(116,935)	211,739	199,584	(9,934,154)	(10,081,531)
3	1,458,085	250,054	109,080	359,134	-	-	-	(18,764)	(119,858)	220,512	201,800	(9,713,642)	(9,879,731)
4	1,450,795	256,329	114,547	370,876	-	-	-	(19,233)	(122,855)	228,788	203,275	(9,484,854)	(9,676,456)
5	1,443,541	264,577	120,126	384,703	-	-	-	(19,714)	(125,926)	239,063	206,218	(9,245,792)	(9,470,239)
6	1,436,323	271,727	125,185	396,911	-	-	-	(20,207)	(129,074)	247,630	207,387	(8,998,161)	(9,262,852)
7	1,429,141	275,249	131,478	406,728	-	-	-	(20,712)	(132,301)	253,715	206,293	(8,744,446)	(9,056,558)
8	1,421,996	282,671	137,809	420,480	-	-	-	(21,229)	(135,609)	263,642	208,121	(8,480,804)	(8,848,437)
9	1,414,886	289,924	144,261	434,185	-	-	-	(21,760)	(138,999)	273,426	209,558	(8,207,378)	(8,638,879)
10	1,407,811	296,981	151,289	448,270	-	-	-	(22,304)	(142,474)	283,492	210,944	(7,923,887)	(8,427,934)
11	1,400,772	307,428	159,045	466,474	-	-	-	(22,862)	(146,036)	297,576	214,975	(7,626,311)	(8,212,959)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Cost (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	BESS O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
12	1,393,768	312,100	166,772	478,872	-	-	-	(23,433)	(149,687)	305,752	214,448	(7,320,559)	(7,998,511)
13	1,386,799	318,477	175,044	493,521	-	-	-	(24,019)	(153,429)	316,073	215,230	(7,004,486)	(7,783,281)
14	1,379,865	327,458	183,472	510,929	-	-	-	(24,620)	(157,265)	329,045	217,538	(6,675,441)	(7,565,743)
15	1,372,966	335,149	192,578	527,728	-	-	-	(25,235)	(161,196)	341,296	219,065	(6,334,145)	(7,346,678)
16	1,366,101	345,505	202,032	547,536	-	-	-	(25,866)	(165,226)	356,444	222,124	(5,977,700)	(7,124,554)
17	1,359,271	354,876	212,214	567,090	-	-	-	(26,513)	(169,357)	371,221	224,595	(5,606,480)	(6,899,959)
18	1,352,474	359,428	221,022	580,450	-	-	-	(27,176)	(173,591)	379,684	223,024	(5,226,796)	(6,676,935)
19	1,345,712	368,292	234,099	602,391	-	-	-	(27,855)	(177,931)	396,605	226,178	(4,830,190)	(6,450,756)
20	1,338,984	377,243	244,833	622,076	-	-	-	(28,551)	(182,379)	411,146	227,641	(4,419,045)	(6,223,115)
21	1,332,289	385,921	257,080	643,001	-	-	-	(29,265)	(186,938)	426,797	229,425	(3,992,247)	(5,993,690)
22	1,325,627	397,354	268,025	665,379	-	-	-	(29,997)	(191,612)	443,771	231,601	(3,548,477)	(5,762,090)
23	1,318,999	403,930	283,104	687,034	-	-	-	(30,747)	(196,402)	459,885	233,020	(3,088,592)	(5,529,070)
24	1,312,404	411,802	296,681	708,483	-	-	-	(31,515)	(201,312)	475,656	233,991	(2,612,936)	(5,295,079)
25	1,305,842	422,635	311,668	734,303	-	-	-	(32,303)	(206,345)	495,655	236,728	(2,117,281)	(5,058,351)
Total	34,692,640	8,096,731	4,644,816	12,741,547	(3,912,614)	(10,875,906)	4,436,556	(610,044)	(3,896,820)	-	-	-	-

TABLE 5: KEY FINANCIAL INPUTS & METRICS – PV PPA + BESS LEASE

Key Financial Outputs			
PV PPA Rate (/kWh)	Various	Total Energy Financial Benefit (Year 1)	\$338,013
PPA Escalation Rate	1.5%	25-Year Total Energy Financial Benefit	\$12,741,547
PPA Payment (Year 1)	(\$361,462)	25-Year NPV	(\$8,305,916)
PPA Payments Term (20-Year)	(\$7,953,215)	Payback Year	26+
PPA Termination Value	(\$587,044)		
BESS Lease Payment (Year 1)	(\$543,795)		
BESS Lease Payment Term (20-Year)	(\$10,875,906)		
Lease Escalation Rate	0%		
Lease Termination Value	(\$1,631,297)		

TABLE 6: PV PPA + BESS LEASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV PPA Cost (\$)	PPA Termination Value (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	-	-	-	-	-	-	-	-
1	1,472,776	238,392	99,622	338,013	(361,462)	-	(543,795)	-	(567,243)	(550,722)	(567,243)	(550,722)
2	1,465,412	243,229	103,751	346,980	(365,049)	-	(543,795)	-	(561,865)	(529,611)	(1,129,108)	(1,080,333)
3	1,458,085	250,054	109,080	359,134	(368,672)	-	(543,795)	-	(553,333)	(506,378)	(1,682,441)	(1,586,711)
4	1,450,795	256,329	114,547	370,876	(372,331)	-	(543,795)	-	(545,251)	(484,448)	(2,227,692)	(2,071,160)
5	1,443,541	264,577	120,126	384,703	(376,027)	-	(543,795)	-	(535,119)	(461,598)	(2,762,811)	(2,532,758)
6	1,436,323	271,727	125,185	396,911	(379,759)	-	(543,795)	-	(526,643)	(441,055)	(3,289,454)	(2,973,813)
7	1,429,141	275,249	131,478	406,728	(383,528)	-	(543,795)	-	(520,595)	(423,292)	(3,810,049)	(3,397,105)
8	1,421,996	282,671	137,809	420,480	(387,334)	-	(543,795)	-	(510,649)	(403,111)	(4,320,698)	(3,800,216)
9	1,414,886	289,924	144,261	434,185	(391,179)	-	(543,795)	-	(500,789)	(383,813)	(4,821,487)	(4,184,029)
10	1,407,811	296,981	151,289	448,270	(395,061)	-	(543,795)	-	(490,586)	(365,042)	(5,312,074)	(4,549,071)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV PPA Cost (\$)	PPA Termination Value (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
11	1,400,772	307,428	159,045	466,474	(398,982)	-	(543,795)	-	(476,304)	(344,092)	(5,788,377)	(4,893,163)
12	1,393,768	312,100	166,772	478,872	(402,942)	-	(543,795)	-	(467,865)	(328,151)	(6,256,242)	(5,221,314)
13	1,386,799	318,477	175,044	493,521	(406,941)	-	(543,795)	-	(457,216)	(311,342)	(6,713,458)	(5,532,656)
14	1,379,865	327,458	183,472	510,929	(410,980)	-	(543,795)	-	(443,846)	(293,434)	(7,157,304)	(5,826,090)
15	1,372,966	335,149	192,578	527,728	(415,059)	-	(543,795)	-	(431,126)	(276,724)	(7,588,430)	(6,102,814)
16	1,366,101	345,505	202,032	547,536	(419,178)	-	(543,795)	-	(415,437)	(258,887)	(8,003,868)	(6,361,701)
17	1,359,271	354,876	212,214	567,090	(423,339)	-	(543,795)	-	(400,044)	(242,033)	(8,403,911)	(6,603,734)
18	1,352,474	359,428	221,022	580,450	(427,540)	-	(543,795)	-	(390,885)	(229,604)	(8,794,797)	(6,833,338)
19	1,345,712	368,292	234,099	602,391	(431,784)	-	(543,795)	-	(373,188)	(212,824)	(9,167,985)	(7,046,162)
20	1,338,984	377,243	244,833	622,076	(436,069)	(587,044)	(543,795)	(1,631,297)	(2,576,130)	(1,426,341)	(11,744,115)	(8,472,502)
21	1,332,289	385,921	257,080	643,001	-	-	-	-	643,001	345,645	(11,101,114)	(8,126,858)
22	1,325,627	397,354	268,025	665,379	-	-	-	-	665,379	347,256	(10,435,735)	(7,779,602)
23	1,318,999	403,930	283,104	687,034	-	-	-	-	687,034	348,114	(9,748,702)	(7,431,487)
24	1,312,404	411,802	296,681	708,483	-	-	-	-	708,483	348,527	(9,040,219)	(7,082,961)
25	1,305,842	422,635	311,668	734,303	-	-	-	-	734,303	350,707	(8,305,916)	(6,732,254)
Total	34,692,640	8,096,731	4,644,816	12,741,547	(7,953,215)	(587,044)	(10,875,906)	(1,631,297)	-	-	-	-

TABLE 7: KEY FINANCIAL INPUTS & METRICS – PV DIRECT PURCHASE + BESS LEASE

Key Financial Outputs			
PV Cost	(\$3,912,614)	Total Energy Financial Benefit (Year 1)	\$338,013
Total PV O&M Cost	(\$610,044)	25-Year Total Energy Financial Benefit	\$12,741,547
BESS Lease Payment (Year 1)	(\$543,795)	25-Year NPV	(\$3,114,530)
BESS Lease Payment Term (20-Year)	(\$10,875,906)	Payback Year	26+
Lease Escalation Rate	0%		
Lease Termination Value	(\$1,631,297)		
Total Incentives	\$1,173,784		

TABLE 8: PV DIRECT PURCHASE + BESS LEASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	(3,912,614)	-	-	-	-	(3,912,614)	(3,912,614)	(3,912,614)	(3,912,614)
1	1,472,776	238,392	99,622	338,013	-	(543,795)	-	1,173,784	(17,860)	950,142	922,468	(2,962,471)	(2,990,145)
2	1,465,412	243,229	103,751	346,980	-	(543,795)	-	-	(18,306)	(215,122)	(202,773)	(3,177,593)	(3,192,918)
3	1,458,085	250,054	109,080	359,134	-	(543,795)	-	-	(18,764)	(203,425)	(186,163)	(3,381,017)	(3,379,080)
4	1,450,795	256,329	114,547	370,876	-	(543,795)	-	-	(19,233)	(192,153)	(170,725)	(3,573,170)	(3,549,805)
5	1,443,541	264,577	120,126	384,703	-	(543,795)	-	-	(19,714)	(178,806)	(154,240)	(3,751,976)	(3,704,045)
6	1,436,323	271,727	125,185	396,911	-	(543,795)	-	-	(20,207)	(167,090)	(139,936)	(3,919,066)	(3,843,981)
7	1,429,141	275,249	131,478	406,728	-	(543,795)	-	-	(20,712)	(157,779)	(128,289)	(4,076,846)	(3,972,269)
8	1,421,996	282,671	137,809	420,480	-	(543,795)	-	-	(21,229)	(144,544)	(114,105)	(4,221,390)	(4,086,374)
9	1,414,886	289,924	144,261	434,185	-	(543,795)	-	-	(21,760)	(131,371)	(100,685)	(4,352,760)	(4,187,059)
10	1,407,811	296,981	151,289	448,270	-	(543,795)	-	-	(22,304)	(117,830)	(87,676)	(4,470,590)	(4,274,735)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
11	1,400,772	307,428	159,045	466,474	-	(543,795)	-	-	(22,862)	(100,184)	(72,375)	(4,570,774)	(4,347,110)
12	1,393,768	312,100	166,772	478,872	-	(543,795)	-	-	(23,433)	(88,356)	(61,971)	(4,659,130)	(4,409,081)
13	1,386,799	318,477	175,044	493,521	-	(543,795)	-	-	(24,019)	(74,294)	(50,590)	(4,733,424)	(4,459,672)
14	1,379,865	327,458	183,472	510,929	-	(543,795)	-	-	(24,620)	(57,486)	(38,005)	(4,790,909)	(4,497,676)
15	1,372,966	335,149	192,578	527,728	-	(543,795)	-	-	(25,235)	(41,303)	(26,511)	(4,832,212)	(4,524,187)
16	1,366,101	345,505	202,032	547,536	-	(543,795)	-	-	(25,866)	(22,125)	(13,788)	(4,854,337)	(4,537,974)
17	1,359,271	354,876	212,214	567,090	-	(543,795)	-	-	(26,513)	(3,218)	(1,947)	(4,857,555)	(4,539,921)
18	1,352,474	359,428	221,022	580,450	-	(543,795)	-	-	(27,176)	9,480	5,568	(4,848,075)	(4,534,353)
19	1,345,712	368,292	234,099	602,391	-	(543,795)	-	-	(27,855)	30,741	17,531	(4,817,334)	(4,516,822)
20	1,338,984	377,243	244,833	622,076	-	(543,795)	(1,631,297)	-	(28,551)	(1,581,568)	(875,676)	(6,398,902)	(5,392,498)
21	1,332,289	385,921	257,080	643,001	-	-	-	-	(29,265)	613,736	329,913	(5,785,167)	(5,062,585)
22	1,325,627	397,354	268,025	665,379	-	-	-	-	(29,997)	635,382	331,601	(5,149,784)	(4,730,983)
23	1,318,999	403,930	283,104	687,034	-	-	-	-	(30,747)	656,287	332,535	(4,493,497)	(4,398,448)
24	1,312,404	411,802	296,681	708,483	-	-	-	-	(31,515)	676,968	333,023	(3,816,529)	(4,065,425)
25	1,305,842	422,635	311,668	734,303	-	-	-	-	(32,303)	702,000	335,279	(3,114,530)	(3,730,146)
Total	34,692,640	8,096,731	4,644,816	12,741,547	(3,912,614)	(10,875,906)	(1,631,297)	1,173,784	(610,044)	-	-	-	-

TABLE 9: CURRENT ELECTRIC BILL STATEMENT

Time Period		Energy Use (kWh)				Max Demand (kW)		Charges (\$)			
Month	Season	On-Peak	Mid-Peak	Off-Peak	Super Off-Peak	On-Peak	Mid-Peak	Energy	Demand	Non-Bypassable	Total
January	Winter	0	56,566	55,891	51,948	0	1,354	28,479	10,207	3,313	41,999
February	Winter	0	52,966	51,178	47,070	0	1,335	25,545	10,004	3,201	38,750
March	Winter	0	58,625	56,370	53,469	0	1,391	28,522	9,894	3,307	41,723
April	Winter	0	54,931	53,138	51,157	0	1,446	26,766	9,399	3,250	39,415
May	Winter	0	58,819	54,676	56,955	0	1,590	28,620	9,558	3,318	41,496
June	Summer	45,434	13,765	109,130	0	1,573	1,310	39,662	16,624	3,305	59,591
July	Summer	39,265	15,807	156,861	0	1,127	827	45,257	19,146	3,573	67,975
August	Summer	48,879	13,912	170,300	0	1,337	1,094	51,332	20,010	3,702	75,045
September	Summer	51,000	20,118	145,963	0	1,313	1,295	50,755	21,194	3,604	75,553
October	Winter	0	63,447	62,306	65,489	0	1,323	31,208	11,105	3,446	45,758
November	Winter	0	55,465	54,443	50,957	0	1,386	26,938	10,161	3,260	40,359
December	Winter	0	57,489	56,842	49,942	0	1,552	27,794	9,827	3,281	40,902
Total		184,579	521,910	1,027,098	426,988	5,349	15,903	410,878	157,128	40,561	608,567

TABLE 10: NEW ELECTRIC BILL STATEMENT

Time Period		Energy Use (kWh)				Max Demand (kW)		Charges (\$)			
Month	Season	On-Peak	Mid-Peak	Off-Peak	Super Off-Peak	On-Peak	Mid-Peak	Energy	Demand	Non-Bypassable	Total
January	Winter	0	5,093	85,142	17,271	0	265	14,570	4,601	2,320	21,490
February	Winter	0	4,814	77,676	12,957	0	219	12,620	4,435	2,313	19,368
March	Winter	0	3,981	80,538	7,851	0	147	11,735	3,928	2,312	17,975
April	Winter	0	3,163	73,094	4,988	0	130	9,908	3,358	2,308	15,573
May	Winter	0	3,587	79,138	5,432	0	62	10,551	3,021	2,310	15,882
June	Summer	4,273	666	86,101	0	153	56	11,449	3,940	2,311	17,701
July	Summer	8,494	1,881	96,393	0	186	173	14,255	4,987	2,317	21,559
August	Summer	11,046	1,880	110,125	0	383	169	19,225	6,061	2,324	27,610
September	Summer	14,106	4,282	103,894	0	308	250	22,995	6,759	2,323	32,078
October	Winter	0	13,004	85,899	16,174	0	248	14,934	4,841	2,321	22,096
November	Winter	0	6,277	82,739	14,702	0	212	13,571	4,820	2,316	20,707
December	Winter	0	7,210	89,124	20,862	0	274	15,526	4,736	2,321	22,583
Total		37,919	55,838	1,049,863	100,238	1,031	2,204	171,338	55,487	27,797	254,621

TABLE 11: KEY FINANCIAL INPUTS & METRICS – PV + BESS DIRECT PURCHASE

Key Financial Outputs			
PV Cost	(\$3,912,614)	Total Energy Financial Benefit (Year 1)	\$341,181
BESS Cost	(\$14,260,852)	25-Year Total Energy Financial Benefit	\$13,004,238
Upfront Payment	(\$18,173,466)	25-Year NPV	(\$4,751,858)
Total O&M Cost	(\$5,034,670)	Payback Year	26+
Total Project Costs	(\$23,208,135)		
Total Incentives	\$5,452,040		
Net Payments	(\$17,756,096)		

TABLE 12: PV + BESS DIRECT PURCHASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Cost (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	BESS O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	(3,912,614)	(14,260,852)	-	-	-	(18,173,466)	(18,173,466)	(18,173,466)	(18,173,466)
1	1,472,776	239,540	101,641	341,181	-	-	5,452,040	(17,860)	(129,535)	5,645,827	5,481,385	(12,527,639)	(12,692,081)
2	1,465,412	244,617	106,147	350,764	-	-	-	(18,306)	(132,773)	199,684	188,221	(12,327,955)	(12,503,859)
3	1,458,085	251,686	111,548	363,234	-	-	-	(18,764)	(136,093)	208,377	190,695	(12,119,578)	(12,313,164)
4	1,450,795	258,277	117,160	375,437	-	-	-	(19,233)	(139,495)	216,709	192,543	(11,902,869)	(12,120,622)
5	1,443,541	267,157	122,380	389,538	-	-	-	(19,714)	(142,982)	226,842	195,676	(11,676,027)	(11,924,946)
6	1,436,323	274,805	127,063	401,868	-	-	-	(20,207)	(146,557)	235,105	196,896	(11,440,923)	(11,728,050)
7	1,429,141	278,596	133,248	411,845	-	-	-	(20,712)	(150,221)	240,912	195,883	(11,200,011)	(11,532,166)
8	1,421,996	286,540	141,077	427,617	-	-	-	(21,229)	(153,976)	252,411	199,256	(10,947,600)	(11,332,910)
9	1,414,886	294,172	147,327	441,499	-	-	-	(21,760)	(157,826)	261,913	200,735	(10,685,686)	(11,132,176)
10	1,407,811	301,820	153,674	455,494	-	-	-	(22,304)	(161,771)	271,419	201,961	(10,414,268)	(10,930,215)
11	1,400,772	313,478	161,793	475,271	-	-	-	(22,862)	(165,816)	286,593	207,041	(10,127,675)	(10,723,174)
12	1,393,768	318,759	169,151	487,910	-	-	-	(23,433)	(169,961)	294,516	206,567	(9,833,159)	(10,516,607)
13	1,386,799	325,628	177,032	502,660	-	-	-	(24,019)	(174,210)	304,430	207,302	(9,528,729)	(10,309,304)
14	1,379,865	335,352	186,536	521,888	-	-	-	(24,620)	(178,565)	318,703	210,700	(9,210,027)	(10,098,605)
15	1,372,966	343,616	194,388	538,004	-	-	-	(25,235)	(183,030)	329,739	211,647	(8,880,287)	(9,886,957)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Cost (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	BESS O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
16	1,366,101	355,492	204,136	559,628	-	-	-	(25,866)	(187,605)	346,156	215,713	(8,534,131)	(9,671,244)
17	1,359,271	366,221	214,191	580,412	-	-	-	(26,513)	(192,295)	361,604	218,776	(8,172,527)	(9,452,468)
18	1,352,474	371,756	222,945	594,701	-	-	-	(27,176)	(197,103)	370,422	217,584	(7,802,105)	(9,234,884)
19	1,345,712	380,821	234,734	615,555	-	-	-	(27,855)	(202,030)	385,670	219,942	(7,416,435)	(9,014,942)
20	1,338,984	390,643	246,931	637,574	-	-	-	(28,551)	(207,081)	401,942	222,545	(7,014,493)	(8,792,396)
21	1,332,289	400,546	257,746	658,292	-	-	-	(29,265)	(212,258)	416,769	224,034	(6,597,724)	(8,568,363)
22	1,325,627	414,296	269,007	683,303	-	-	-	(29,997)	(217,565)	435,742	227,410	(6,161,982)	(8,340,952)
23	1,318,999	422,664	283,717	706,381	-	-	-	(30,747)	(223,004)	452,631	229,344	(5,709,351)	(8,111,608)
24	1,312,404	430,925	297,998	728,923	-	-	-	(31,515)	(228,579)	468,829	230,633	(5,240,522)	(7,880,975)
25	1,305,842	442,710	312,551	755,261	-	-	-	(32,303)	(234,293)	488,665	233,389	(4,751,858)	(7,647,586)
Total	34,692,640	8,310,116	4,694,122	13,004,238	(3,912,614)	(14,260,852)	5,452,040	(610,044)	(4,424,626)	-	-	-	-

TABLE 13: KEY FINANCIAL INPUTS & METRICS – PV PPA + BESS LEASE

Key Financial Outputs			
PV PPA Rate (/kWh)	Various	Total Energy Financial Benefit (Year 1)	\$341,181
PPA Escalation Rate	1.5%	25-Year Total Energy Financial Benefit	\$13,004,238
PPA Payment (Year 1)	(\$361,462)	25-Year NPV	(\$11,935,504)
PPA Payments Term (20-Year)	(\$7,953,215)	Payback Year	26+
PPA Termination Value	(\$587,044)		
BESS Lease Payment (Year 1)	(\$713,043)		
BESS Lease Payment Term (20-Year)	(\$14,260,852)		
Lease Escalation Rate	0%		
Lease Termination Value	(\$2,138,631)		

TABLE 14: PV PPA + BESS LEASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV PPA Cost (\$)	PPA Termination Value (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	-	-	-	-	-	-	-	-
1	1,472,776	239,540	101,641	341,181	(361,462)	-	(713,043)	-	(733,323)	(711,964)	(733,323)	(711,964)
2	1,465,412	244,617	106,147	350,764	(365,049)	-	(713,043)	-	(727,328)	(685,576)	(1,460,651)	(1,397,540)
3	1,458,085	251,686	111,548	363,234	(368,672)	-	(713,043)	-	(718,481)	(657,512)	(2,179,132)	(2,055,052)
4	1,450,795	258,277	117,160	375,437	(372,331)	-	(713,043)	-	(709,937)	(630,770)	(2,889,069)	(2,685,822)
5	1,443,541	267,157	122,380	389,538	(376,027)	-	(713,043)	-	(699,532)	(603,422)	(3,588,601)	(3,289,244)
6	1,436,323	274,805	127,063	401,868	(379,759)	-	(713,043)	-	(690,933)	(578,646)	(4,279,534)	(3,867,890)
7	1,429,141	278,596	133,248	411,845	(383,528)	-	(713,043)	-	(684,726)	(556,745)	(4,964,260)	(4,424,635)
8	1,421,996	286,540	141,077	427,617	(387,334)	-	(713,043)	-	(672,760)	(531,083)	(5,637,019)	(4,955,718)
9	1,414,886	294,172	147,327	441,499	(391,179)	-	(713,043)	-	(662,722)	(507,921)	(6,299,741)	(5,463,639)
10	1,407,811	301,820	153,674	455,494	(395,061)	-	(713,043)	-	(652,609)	(485,603)	(6,952,351)	(5,949,241)
11	1,400,772	313,478	161,793	475,271	(398,982)	-	(713,043)	-	(636,754)	(460,005)	(7,589,105)	(6,409,246)
12	1,393,768	318,759	169,151	487,910	(402,942)	-	(713,043)	-	(628,074)	(440,519)	(8,217,179)	(6,849,765)
13	1,386,799	325,628	177,032	502,660	(406,941)	-	(713,043)	-	(617,324)	(420,368)	(8,834,503)	(7,270,133)
14	1,379,865	335,352	186,536	521,888	(410,980)	-	(713,043)	-	(602,135)	(398,082)	(9,436,638)	(7,668,215)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV PPA Cost (\$)	PPA Termination Value (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
15	1,372,966	343,616	194,388	538,004	(415,059)	-	(713,043)	-	(590,098)	(378,761)	(10,026,736)	(8,046,976)
16	1,366,101	355,492	204,136	559,628	(419,178)	-	(713,043)	-	(572,593)	(356,821)	(10,599,330)	(8,403,797)
17	1,359,271	366,221	214,191	580,412	(423,339)	-	(713,043)	-	(555,969)	(336,371)	(11,155,299)	(8,740,168)
18	1,352,474	371,756	222,945	594,701	(427,540)	-	(713,043)	-	(545,882)	(320,648)	(11,701,181)	(9,060,816)
19	1,345,712	380,821	234,734	615,555	(431,784)	-	(713,043)	-	(529,271)	(301,836)	(12,230,452)	(9,362,652)
20	1,338,984	390,643	246,931	637,574	(436,069)	(587,044)	(713,043)	(2,138,631)	(3,237,213)	(1,792,366)	(15,467,665)	(11,155,018)
21	1,332,289	400,546	257,746	658,292	-	-	-	-	658,292	353,865	(14,809,373)	(10,801,154)
22	1,325,627	414,296	269,007	683,303	-	-	-	-	683,303	356,611	(14,126,070)	(10,444,543)
23	1,318,999	422,664	283,717	706,381	-	-	-	-	706,381	357,918	(13,419,688)	(10,086,625)
24	1,312,404	430,925	297,998	728,923	-	-	-	-	728,923	358,582	(12,690,765)	(9,728,044)
25	1,305,842	442,710	312,551	755,261	-	-	-	-	755,261	360,717	(11,935,504)	(9,367,327)
Total	34,692,640	8,310,116	4,694,122	13,004,238	(7,953,215)	(587,044)	(14,260,852)	(2,138,631)	-	-	-	-

TABLE 15: KEY FINANCIAL INPUTS & METRICS – PV DIRECT PURCHASE + BESS LEASE

Key Financial Outputs			
PV Cost	(\$3,912,614)	Total Energy Financial Benefit (Year 1)	\$341,181
Total PV O&M Cost	(\$610,044)	25-Year Total Energy Financial Benefit	\$13,004,238
BESS Lease Payment (Year 1)	(\$713,043)	25-Year NPV	(\$6,744,118)
BESS Lease Payment Term (20-Year)	(\$14,260,852)	Payback Year	26+
Lease Escalation Rate	0%		
Lease Termination Value	(\$2,138,631)		
Total Incentives	\$1,173,784		

TABLE 16: PV DIRECT PURCHASE + BESS LEASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	(3,912,614)	-	-	-	-	(3,912,614)	(3,912,614)	(3,912,614)	(3,912,614)
1	1,472,776	239,540	101,641	341,181	-	(713,043)	-	1,173,784	(17,860)	784,063	761,227	(3,128,550)	(3,151,387)
2	1,465,412	244,617	106,147	350,764	-	(713,043)	-	-	(18,306)	(380,585)	(358,738)	(3,509,135)	(3,510,125)
3	1,458,085	251,686	111,548	363,234	-	(713,043)	-	-	(18,764)	(368,573)	(337,296)	(3,877,708)	(3,847,421)
4	1,450,795	258,277	117,160	375,437	-	(713,043)	-	-	(19,233)	(356,839)	(317,047)	(4,234,547)	(4,164,468)
5	1,443,541	267,157	122,380	389,538	-	(713,043)	-	-	(19,714)	(343,219)	(296,063)	(4,577,766)	(4,460,531)
6	1,436,323	274,805	127,063	401,868	-	(713,043)	-	-	(20,207)	(331,381)	(277,526)	(4,909,147)	(4,738,058)
7	1,429,141	278,596	133,248	411,845	-	(713,043)	-	-	(20,712)	(321,910)	(261,742)	(5,231,056)	(4,999,800)
8	1,421,996	286,540	141,077	427,617	-	(713,043)	-	-	(21,229)	(306,655)	(242,076)	(5,537,711)	(5,241,876)
9	1,414,886	294,172	147,327	441,499	-	(713,043)	-	-	(21,760)	(293,304)	(224,793)	(5,831,015)	(5,466,669)
10	1,407,811	301,820	153,674	455,494	-	(713,043)	-	-	(22,304)	(279,853)	(208,237)	(6,110,867)	(5,674,905)
11	1,400,772	313,478	161,793	475,271	-	(713,043)	-	-	(22,862)	(260,634)	(188,287)	(6,371,501)	(5,863,193)
12	1,393,768	318,759	169,151	487,910	-	(713,043)	-	-	(23,433)	(248,566)	(174,339)	(6,620,067)	(6,037,532)
13	1,386,799	325,628	177,032	502,660	-	(713,043)	-	-	(24,019)	(234,402)	(159,616)	(6,854,469)	(6,197,148)
14	1,379,865	335,352	186,536	521,888	-	(713,043)	-	-	(24,620)	(215,775)	(142,652)	(7,070,244)	(6,339,801)
15	1,372,966	343,616	194,388	538,004	-	(713,043)	-	-	(25,235)	(200,274)	(128,548)	(7,270,518)	(6,468,349)
16	1,366,101	355,492	204,136	559,628	-	(713,043)	-	-	(25,866)	(179,281)	(111,722)	(7,449,799)	(6,580,071)
17	1,359,271	366,221	214,191	580,412	-	(713,043)	-	-	(26,513)	(159,143)	(96,284)	(7,608,942)	(6,676,355)
18	1,352,474	371,756	222,945	594,701	-	(713,043)	-	-	(27,176)	(145,517)	(85,476)	(7,754,460)	(6,761,832)
19	1,345,712	380,821	234,734	615,555	-	(713,043)	-	-	(27,855)	(125,342)	(71,481)	(7,879,802)	(6,833,312)
20	1,338,984	390,643	246,931	637,574	-	(713,043)	(2,138,631)	-	(28,551)	(2,242,651)	(1,241,701)	(10,122,452)	(8,075,014)
21	1,332,289	400,546	257,746	658,292	-	-	-	-	(29,265)	629,027	338,133	(9,493,425)	(7,736,880)
22	1,325,627	414,296	269,007	683,303	-	-	-	-	(29,997)	653,307	340,956	(8,840,118)	(7,395,925)
23	1,318,999	422,664	283,717	706,381	-	-	-	-	(30,747)	675,635	342,338	(8,164,484)	(7,053,586)
24	1,312,404	430,925	297,998	728,923	-	-	-	-	(31,515)	697,408	343,078	(7,467,076)	(6,710,508)
25	1,305,842	442,710	312,551	755,261	-	-	-	-	(32,303)	722,958	345,289	(6,744,118)	(6,365,219)
Total	34,692,640	8,310,116	4,694,122	13,004,238	(3,912,614)	(14,260,852)	(2,138,631)	1,173,784	(610,044)	-	-	-	-

TABLE 17: CURRENT ELECTRIC BILL STATEMENT

Time Period		Energy Use (kWh)				Max Demand (kW)		Charges (\$)			
Month	Season	On-Peak	Mid-Peak	Off-Peak	Super Off-Peak	On-Peak	Mid-Peak	Energy	Demand	Non-Bypassable	Total
January	Winter	0	56,566	55,891	51,948	0	1,354	28,479	10,207	3,313	41,999
February	Winter	0	52,966	51,178	47,070	0	1,335	25,545	10,004	3,201	38,750
March	Winter	0	58,625	56,370	53,469	0	1,391	28,522	9,894	3,307	41,723
April	Winter	0	54,931	53,138	51,157	0	1,446	26,766	9,399	3,250	39,415
May	Winter	0	58,819	54,676	56,955	0	1,590	28,620	9,558	3,318	41,496
June	Summer	45,434	13,765	109,130	0	1,573	1,310	39,662	16,624	3,305	59,591
July	Summer	39,265	15,807	156,861	0	1,127	827	45,257	19,146	3,573	67,975
August	Summer	48,879	13,912	170,300	0	1,337	1,094	51,332	20,010	3,702	75,045
September	Summer	51,000	20,118	145,963	0	1,313	1,295	50,755	21,194	3,604	75,553
October	Winter	0	63,447	62,306	65,489	0	1,323	31,208	11,105	3,446	45,758
November	Winter	0	55,465	54,443	50,957	0	1,386	26,938	10,161	3,260	40,359
December	Winter	0	57,489	56,842	49,942	0	1,552	27,794	9,827	3,281	40,902
Total		184,579	521,910	1,027,098	426,988	5,349	15,903	410,878	157,128	40,561	608,567

TABLE 18: NEW ELECTRIC BILL STATEMENT

Time Period		Energy Use (kWh)				Max Demand (kW)		Charges (\$)			
Month	Season	On-Peak	Mid-Peak	Off-Peak	Super Off-Peak	On-Peak	Mid-Peak	Energy	Demand	Non-Bypassable	Total
January	Winter	0	4,484	85,707	16,736	0	204	14,526	4,343	2,319	21,189
February	Winter	0	4,435	78,257	12,505	0	216	12,604	4,416	2,313	19,333
March	Winter	0	3,702	81,240	7,480	0	147	11,772	3,836	2,312	17,920
April	Winter	0	2,883	73,616	4,564	0	130	9,912	3,158	2,308	15,378
May	Winter	0	3,349	79,778	4,966	0	59	10,547	3,021	2,310	15,878
June	Summer	4,178	464	86,333	0	153	56	11,414	3,940	2,311	17,665
July	Summer	8,470	1,777	96,561	0	186	173	14,283	4,987	2,317	21,588
August	Summer	10,669	1,864	109,427	0	309	169	19,070	5,338	2,323	26,732
September	Summer	14,103	4,282	103,633	0	308	250	22,989	6,670	2,323	31,983
October	Winter	0	12,877	86,270	15,954	0	248	14,945	4,814	2,321	22,080
November	Winter	0	5,947	82,985	14,904	0	193	13,606	4,744	2,316	20,666
December	Winter	0	6,119	89,840	20,610	0	265	15,459	4,673	2,321	22,453
Total		37,420	52,184	1,053,648	97,719	957	2,110	171,128	53,941	27,796	252,864

TABLE 19: KEY FINANCIAL INPUTS & METRICS – PV + BESS DIRECT PURCHASE

Key Financial Outputs			
PV Cost	(\$3,912,614)	Total Energy Financial Benefit (Year 1)	\$342,937
BESS Cost	(\$17,495,302)	25-Year Total Energy Financial Benefit	\$13,096,680
Upfront Payment	(\$21,407,916)	25-Year NPV	(\$7,439,552)
Total O&M Cost	(\$5,550,691)	Payback Year	26+
Total Project Costs	(\$26,958,607)		
Total Incentives	\$6,422,375		
Net Payments	(\$20,536,232)		

TABLE 20: PV + BESS DIRECT PURCHASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Cost (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	BESS O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	(3,912,614)	(17,495,302)	-	-	-	(21,407,916)	(21,407,916)	(21,407,916)	(21,407,916)
1	1,472,776	239,750	103,188	342,937	-	-	6,422,375	(17,860)	(144,642)	6,602,811	6,410,496	(14,805,105)	(14,997,420)
2	1,465,412	244,832	107,543	352,375	-	-	-	(18,306)	(148,258)	185,811	175,145	(14,619,294)	(14,822,275)
3	1,458,085	251,883	113,628	365,511	-	-	-	(18,764)	(151,965)	194,783	178,254	(14,424,511)	(14,644,021)
4	1,450,795	258,478	118,633	377,111	-	-	-	(19,233)	(155,764)	202,114	179,576	(14,222,397)	(14,464,445)
5	1,443,541	267,367	124,178	391,545	-	-	-	(19,714)	(159,658)	212,173	183,023	(14,010,224)	(14,281,423)
6	1,436,323	275,035	129,924	404,959	-	-	-	(20,207)	(163,649)	221,103	185,171	(13,789,120)	(14,096,252)
7	1,429,141	278,869	136,462	415,332	-	-	-	(20,712)	(167,740)	226,879	184,474	(13,562,241)	(13,911,778)
8	1,421,996	286,841	143,412	430,253	-	-	-	(21,229)	(171,934)	237,090	187,161	(13,325,151)	(13,724,618)
9	1,414,886	294,495	151,224	445,720	-	-	-	(21,760)	(176,232)	247,727	189,862	(13,077,424)	(13,534,755)
10	1,407,811	302,154	157,239	459,393	-	-	-	(22,304)	(180,638)	256,450	190,823	(12,820,973)	(13,343,932)
11	1,400,772	313,830	165,539	479,369	-	-	-	(22,862)	(185,154)	271,354	196,032	(12,549,620)	(13,147,901)
12	1,393,768	319,142	173,256	492,397	-	-	-	(23,433)	(189,783)	279,181	195,812	(12,270,439)	(12,952,088)
13	1,386,799	326,073	181,079	507,152	-	-	-	(24,019)	(194,527)	288,605	196,526	(11,981,834)	(12,755,563)
14	1,379,865	335,875	188,850	524,725	-	-	-	(24,620)	(199,391)	300,715	198,808	(11,681,119)	(12,556,755)
15	1,372,966	344,237	197,985	542,221	-	-	-	(25,235)	(204,375)	312,611	200,653	(11,368,508)	(12,356,101)
16	1,366,101	356,162	205,812	561,974	-	-	-	(25,866)	(209,485)	326,623	203,541	(11,041,885)	(12,152,561)
17	1,359,271	366,928	216,245	583,173	-	-	-	(26,513)	(214,722)	341,938	206,878	(10,699,946)	(11,945,682)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Cost (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	BESS O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
18	1,352,474	372,574	225,662	598,236	-	-	-	(27,176)	(220,090)	350,971	206,158	(10,348,975)	(11,739,524)
19	1,345,712	381,873	239,309	621,182	-	-	-	(27,855)	(225,592)	367,735	209,714	(9,981,240)	(11,529,810)
20	1,338,984	391,827	249,102	640,930	-	-	-	(28,551)	(231,232)	381,146	211,031	(9,600,094)	(11,318,778)
21	1,332,289	401,935	260,589	662,524	-	-	-	(29,265)	(237,013)	396,246	213,002	(9,203,848)	(11,105,777)
22	1,325,627	415,986	272,483	688,469	-	-	-	(29,997)	(242,938)	415,535	216,864	(8,788,313)	(10,888,912)
23	1,318,999	424,682	286,735	711,417	-	-	-	(30,747)	(249,012)	431,659	218,718	(8,356,655)	(10,670,194)
24	1,312,404	433,403	300,728	734,131	-	-	-	(31,515)	(255,237)	447,379	220,081	(7,909,276)	(10,450,114)
25	1,305,842	445,746	317,899	763,645	-	-	-	(32,303)	(261,618)	469,724	224,343	(7,439,552)	(10,225,771)
Total	34,692,640	8,329,977	4,766,704	13,096,680	(3,912,614)	(17,495,302)	6,422,375	(610,044)	(4,940,647)	-	-	-	-

TABLE 21: KEY FINANCIAL INPUTS & METRICS – PV PPA + BESS LEASE

Key Financial Outputs			
PV PPA Rate (/kWh)	Various	Total Energy Financial Benefit (Year 1)	\$342,937
PPA Escalation Rate	1.5%	25-Year Total Energy Financial Benefit	\$13,096,680
PPA Payment (Year 1)	(\$361,462)	25-Year NPV	(\$15,562,537)
PPA Payments Term (20-Year)	(\$7,953,215)	Payback Year	26+
PPA Termination Value	(\$587,044)		
BESS Lease Payment (Year 1)	(\$874,765)		
BESS Lease Payment Term (20-Year)	(\$17,495,302)		
Lease Escalation Rate	0%		
Lease Termination Value	(\$2,623,656)		

TABLE 22: PV PPA + BESS LEASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV PPA Cost (\$)	PPA Termination Value (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	Total Annual Projected Cash Flow (\$)	Total NPV Of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	-	-	-	-	-	-	-	-
1	1,472,776	239,750	103,188	342,937	(361,462)	-	(874,765)	-	(893,289)	(867,271)	(893,289)	(867,271)
2	1,465,412	244,832	107,543	352,375	(365,049)	-	(874,765)	-	(887,439)	(836,496)	(1,780,728)	(1,703,767)
3	1,458,085	251,883	113,628	365,511	(368,672)	-	(874,765)	-	(877,926)	(803,427)	(2,658,654)	(2,507,194)
4	1,450,795	258,478	118,633	377,111	(372,331)	-	(874,765)	-	(869,986)	(772,971)	(3,528,640)	(3,280,165)
5	1,443,541	267,367	124,178	391,545	(376,027)	-	(874,765)	-	(859,247)	(741,194)	(4,387,887)	(4,021,359)
6	1,436,323	275,035	129,924	404,959	(379,759)	-	(874,765)	-	(849,565)	(711,497)	(5,237,452)	(4,732,856)
7	1,429,141	278,869	136,462	415,332	(383,528)	-	(874,765)	-	(842,961)	(685,405)	(6,080,413)	(5,418,261)
8	1,421,996	286,841	143,412	430,253	(387,334)	-	(874,765)	-	(831,847)	(656,667)	(6,912,260)	(6,074,928)
9	1,414,886	294,495	151,224	445,720	(391,179)	-	(874,765)	-	(820,224)	(628,633)	(7,732,484)	(6,703,562)
10	1,407,811	302,154	157,239	459,393	(395,061)	-	(874,765)	-	(810,433)	(603,039)	(8,542,917)	(7,306,600)
11	1,400,772	313,830	165,539	479,369	(398,982)	-	(874,765)	-	(794,378)	(573,875)	(9,337,295)	(7,880,476)
12	1,393,768	319,142	173,256	492,397	(402,942)	-	(874,765)	-	(785,310)	(550,800)	(10,122,604)	(8,431,276)
13	1,386,799	326,073	181,079	507,152	(406,941)	-	(874,765)	-	(774,555)	(527,434)	(10,897,159)	(8,958,710)
14	1,379,865	335,875	188,850	524,725	(410,980)	-	(874,765)	-	(761,020)	(503,124)	(11,658,179)	(9,461,834)
15	1,372,966	344,237	197,985	542,221	(415,059)	-	(874,765)	-	(747,603)	(479,858)	(12,405,781)	(9,941,691)
16	1,366,101	356,162	205,812	561,974	(419,178)	-	(874,765)	-	(731,970)	(456,139)	(13,137,751)	(10,397,831)
17	1,359,271	366,928	216,245	583,173	(423,339)	-	(874,765)	-	(714,931)	(432,545)	(13,852,682)	(10,830,376)
18	1,352,474	372,574	225,662	598,236	(427,540)	-	(874,765)	-	(704,069)	(413,566)	(14,556,751)	(11,243,942)
19	1,345,712	381,873	239,309	621,182	(431,784)	-	(874,765)	-	(685,367)	(390,855)	(15,242,118)	(11,634,797)
20	1,338,984	391,827	249,102	640,930	(436,069)	(587,044)	(874,765)	(2,623,656)	(3,880,605)	(2,148,597)	(19,122,723)	(13,783,394)
21	1,332,289	401,935	260,589	662,524	-	-	-	-	662,524	356,139	(18,460,199)	(13,427,255)
22	1,325,627	415,986	272,483	688,469	-	-	-	-	688,469	359,307	(17,771,730)	(13,067,948)
23	1,318,999	424,682	286,735	711,417	-	-	-	-	711,417	360,469	(17,060,313)	(12,707,479)
24	1,312,404	433,403	300,728	734,131	-	-	-	-	734,131	361,144	(16,326,182)	(12,346,335)
25	1,305,842	445,746	317,899	763,645	-	-	-	-	763,645	364,721	(15,562,537)	(11,981,614)
Total	34,692,640	8,329,977	4,766,704	13,096,680	(7,953,215)	(587,044)	(17,495,302)	(2,623,656)	-	-	-	-

TABLE 23: KEY FINANCIAL INPUTS & METRICS – PV DIRECT PURCHASE + BESS LEASE

Key Financial Outputs			
PV Cost	(\$3,912,614)	Total Energy Financial Benefit (Year 1)	\$342,937
Total PV O&M Cost	(\$610,044)	25-Year Total Energy Financial Benefit	\$13,096,680
BESS Lease Payment (Year 1)	(\$874,765)	25-Year NPV	(\$10,371,151)
BESS Lease Payment Term (20-Year)	(\$17,495,302)	Payback Year	26+
Lease Escalation Rate	0%		
Lease Termination Value	(\$2,623,656)		
Total Incentives	\$1,173,784		

TABLE 24: PV DIRECT PURCHASE + BESS LEASE PRO FORMA

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
0	-	-	-	-	(3,912,614)	-	-	-	-	(3,912,614)	(3,912,614)	(3,912,614)	(3,912,614)
1	1,472,776	239,750	103,188	342,937	-	(874,765)	-	1,173,784	(17,860)	624,097	605,919	(3,288,517)	(3,306,694)
2	1,465,412	244,832	107,543	352,375	-	(874,765)	-	-	(18,306)	(540,696)	(509,658)	(3,829,213)	(3,816,352)
3	1,458,085	251,883	113,628	365,511	-	(874,765)	-	-	(18,764)	(528,018)	(483,211)	(4,357,230)	(4,299,563)
4	1,450,795	258,478	118,633	377,111	-	(874,765)	-	-	(19,233)	(516,887)	(459,248)	(4,874,118)	(4,758,811)
5	1,443,541	267,367	124,178	391,545	-	(874,765)	-	-	(19,714)	(502,934)	(433,835)	(5,377,052)	(5,192,646)
6	1,436,323	275,035	129,924	404,959	-	(874,765)	-	-	(20,207)	(490,013)	(410,378)	(5,867,064)	(5,603,024)
7	1,429,141	278,869	136,462	415,332	-	(874,765)	-	-	(20,712)	(480,145)	(390,402)	(6,347,210)	(5,993,426)
8	1,421,996	286,841	143,412	430,253	-	(874,765)	-	-	(21,229)	(465,742)	(367,661)	(6,812,951)	(6,361,087)
9	1,414,886	294,495	151,224	445,720	-	(874,765)	-	-	(21,760)	(450,806)	(345,505)	(7,263,757)	(6,706,592)
10	1,407,811	302,154	157,239	459,393	-	(874,765)	-	-	(22,304)	(437,677)	(325,673)	(7,701,434)	(7,032,264)
11	1,400,772	313,830	165,539	479,369	-	(874,765)	-	-	(22,862)	(418,257)	(302,158)	(8,119,691)	(7,334,422)
12	1,393,768	319,142	173,256	492,397	-	(874,765)	-	-	(23,433)	(405,801)	(284,621)	(8,525,492)	(7,619,043)
13	1,386,799	326,073	181,079	507,152	-	(874,765)	-	-	(24,019)	(391,633)	(266,683)	(8,917,125)	(7,885,726)
14	1,379,865	335,875	188,850	524,725	-	(874,765)	-	-	(24,620)	(374,660)	(247,694)	(9,291,784)	(8,133,420)

Year	Solar Production (kWh)	Projected Energy Savings (\$)	Projected Demand Savings (\$)	Total Energy Financial Benefit (\$)	PV Cost (\$)	BESS Lease Cost (\$)	Lease Termination Value (\$)	ITC Elective Pay (\$)	PV O&M Costs (\$)	Total Annual Projected Cash Flow (\$)	Total NPV of Projected Cash Flow (\$)	Undiscounted Cumulative Cash Flow (\$)	Discounted Cumulative Cash Flow (\$)
15	1,372,966	344,237	197,985	542,221	-	(874,765)	-	-	(25,235)	(357,779)	(229,645)	(9,649,563)	(8,363,065)
16	1,366,101	356,162	205,812	561,974	-	(874,765)	-	-	(25,866)	(338,657)	(211,040)	(9,988,220)	(8,574,104)
17	1,359,271	366,928	216,245	583,173	-	(874,765)	-	-	(26,513)	(318,105)	(192,459)	(10,306,325)	(8,766,563)
18	1,352,474	372,574	225,662	598,236	-	(874,765)	-	-	(27,176)	(303,704)	(178,394)	(10,610,029)	(8,944,957)
19	1,345,712	381,873	239,309	621,182	-	(874,765)	-	-	(27,855)	(281,438)	(160,500)	(10,891,468)	(9,105,458)
20	1,338,984	391,827	249,102	640,930	-	(874,765)	(2,623,656)	-	(28,551)	(2,886,042)	(1,597,932)	(13,777,510)	(10,703,389)
21	1,332,289	401,935	260,589	662,524	-	-	-	-	(29,265)	633,259	340,408	(13,144,251)	(10,362,982)
22	1,325,627	415,986	272,483	688,469	-	-	-	-	(29,997)	658,473	343,652	(12,485,778)	(10,019,330)
23	1,318,999	424,682	286,735	711,417	-	-	-	-	(30,747)	680,670	344,890	(11,805,108)	(9,674,439)
24	1,312,404	433,403	300,728	734,131	-	-	-	-	(31,515)	702,616	345,640	(11,102,492)	(9,328,799)
25	1,305,842	445,746	317,899	763,645	-	-	-	-	(32,303)	731,342	349,293	(10,371,151)	(8,979,506)
Total	34,692,640	8,329,977	4,766,704	13,096,680	(3,912,614)	(17,495,302)	(2,623,656)	1,173,784	(610,044)	-	-	-	-