Project Cashflows: Central USD - Final

Rate Scenario	**2020**
Solutions	**Solar + Storage**
Year 1 Savings	**$235,152**
Cumulative Savings	**$9,862,595**
Cumulative NPV Savings	**$6,492,011**
Payback Period	**Immediate**
Solar System Size (KW)	**4,451**
Storage System Size (KW)	**666**

Financial Assumptions

Parameter	*Value*
PPA Rate Escalator (%/yr)	0.0%
Utility Energy Escalator (%/yr)	2.7%
Utility Demand Escalator (%/yr)	5.0%
PPA Term (Years)	20
Discount Rate (%)	4.0%
Solar Degradation Rate (%)	0.50%

Year	KWH Generated	Historic Utility Bill (without solar)	PPA Payment	Storage Payment	New Utility Bill (with solar)	Total Electricity Costs (PPA + Utility)	Net Savings	Cumulative Savings
1	7,225,153	1,955,532	952,572	39,128	728,680	1,720,380	235,152	235,152
2	7,189,027	2,021,426	947,809	39,128	764,755	1,751,692	269,734	504,886
3	7,153,082	2,089,755	943,070	39,128	802,391	1,784,589	305,166	810,052
4	7,117,317	2,160,615	938,354	39,128	841,652	1,819,135	341,481	1,151,533
5	7,081,730	2,234,111	933,663	39,128	882,916	1,855,707	378,404	1,529,937
6	7,046,321	2,310,349	928,994	39,128	925,969	1,894,091	416,258	1,946,195
7	7,011,090	2,389,442	924,349	39,128	970,886	1,934,363	455,078	2,401,273
8	6,976,034	2,471,505	919,728	39,128	1,017,748	1,976,604	494,901	2,896,174
9	6,941,080	2,556,662	915,118	39,128	1,228,237	2,182,484	374,178	3,270,352
10	6,906,375	2,645,039	910,543	39,128	1,286,842	2,236,513	408,525	3,678,878
11	6,871,843	2,736,770	905,990	39,128	1,347,916	2,293,034	443,735	4,122,613
12	6,837,484	2,831,993	901,460	39,128	1,411,560	2,352,149	479,844	4,602,458
13	6,803,296	2,930,854	896,953	39,128	1,477,882	2,413,963	516,891	5,119,348
14	6,769,280	3,033,503	892,468	39,128	1,546,992	2,478,589	554,915	5,674,263
15	6,735,433	3,140,101	888,006	39,128	1,619,008	2,546,142	593,959	6,268,222
16	6,701,756	3,250,811	883,566	39,128	1,694,050	2,616,744	634,067	6,902,288
17	6,668,248	3,365,806	879,148	39,128	1,772,245	2,690,521	675,285	7,577,574
18	6,634,906	3,485,268	874,752	39,128	1,853,724	2,767,604	717,664	8,295,237
19	6,601,732	3,609,384	870,378	39,128	1,938,625	2,848,131	761,252	9,056,490
20	6,568,723	3,738,352	866,026	39,128	2,027,091	2,932,246	806,106	9,862,595
Total	**137,839,911**	**$54,957,276**	**$18,172,946**	**$782,564**	**$26,139,170**	**$45,094,680**	**$9,862,595**	**$9,862,595**