



**ESTIMATED SAVINGS ANALYSIS (AOUO Loan Assumption)**

**292 kw Photovoltaic System  
The Collection**

600 Ala Moana Blvd Honolulu 96813

Annual Solar Saving Analysis								Average Monthly Savings					
Year	Utility Rate (\$/kWh)	Solar Rate (\$/kWh)	Annual PPA Payments	Electric Without Solar	Utility with Solar including PPA Payment	Solar Output Value	Annual Savings	PPA Payment	Electric Without Solar	Utility with Solar including PPA Payment	Average Monthly Solar Savings	Annual Savings	Degradation Output
1	\$0.208	\$0.160	\$69,269	\$853,428	\$832,669	\$90,029	\$20,759	\$5,772.44	\$71,119.00	\$69,389.06	\$1,729.94	20,759	432,933
2	\$0.214	\$0.160	\$68,923	\$879,031	\$855,688	\$92,266	\$23,343	\$5,743.58	\$73,252.57	\$71,307.33	\$1,945.24	23,343	430,769
3	\$0.221	\$0.160	\$68,578	\$905,402	\$879,422	\$94,559	\$25,980	\$5,714.86	\$75,450.15	\$73,285.13	\$2,165.02	25,980	428,615
4	\$0.227	\$0.160	\$68,235	\$932,564	\$903,891	\$96,908	\$28,673	\$5,686.29	\$77,713.65	\$75,324.24	\$2,389.41	28,673	426,472
5	\$0.234	\$0.160	\$67,894	\$960,541	\$929,118	\$99,317	\$31,422	\$5,657.86	\$80,045.06	\$77,426.54	\$2,618.52	31,422	424,339
6	\$0.241	\$0.130	\$54,888	\$989,357	\$942,461	\$101,785	\$46,896	\$4,574.02	\$82,446.41	\$78,538.39	\$3,908.02	46,896	422,218
7	\$0.248	\$0.130	\$54,614	\$1,019,038	\$969,338	\$104,314	\$49,700	\$4,551.15	\$84,919.81	\$80,778.13	\$4,141.67	49,700	420,107
8	\$0.256	\$0.130	\$54,341	\$1,049,609	\$997,043	\$106,906	\$52,565	\$4,528.40	\$87,467.40	\$83,086.95	\$4,380.45	52,565	418,006
9	\$0.263	\$0.130	\$54,069	\$1,081,097	\$1,025,603	\$109,563	\$55,494	\$4,505.76	\$90,091.42	\$85,466.95	\$4,624.47	55,494	415,916
10	\$0.271	\$0.130	\$53,799	\$1,113,530	\$1,055,043	\$112,285	\$58,487	\$4,483.23	\$92,794.16	\$87,920.28	\$4,873.89	58,487	413,836
11	\$0.279	\$0.130	\$53,530	\$1,146,936	\$1,085,390	\$115,076	\$61,546	\$4,460.81	\$95,577.99	\$90,449.16	\$5,128.83	61,546	411,767
12	\$0.288	\$0.130	\$53,262	\$1,181,344	\$1,116,671	\$117,935	\$64,673	\$4,438.51	\$98,445.33	\$93,055.89	\$5,389.44	64,673	409,708
13	\$0.296	\$0.130	\$52,996	\$1,216,784	\$1,148,914	\$120,866	\$67,870	\$4,416.32	\$101,398.69	\$95,742.84	\$5,655.85	67,870	407,660
14	\$0.305	\$0.130	\$52,731	\$1,253,288	\$1,182,149	\$123,870	\$71,139	\$4,394.23	\$104,440.65	\$98,512.42	\$5,928.23	71,139	405,622
15	\$0.315	\$0.130	\$52,467	\$1,290,886	\$1,216,406	\$126,948	\$74,481	\$4,372.26	\$107,573.87	\$101,367.16	\$6,206.71	74,481	403,593
16	\$0.324	\$0.130	\$52,205	\$1,329,613	\$1,251,715	\$130,102	\$77,898	\$4,350.40	\$110,801.08	\$104,309.62	\$6,491.46	77,898	401,575
17	\$0.334	\$0.130	\$51,944	\$1,369,501	\$1,288,110	\$133,335	\$81,392	\$4,328.65	\$114,125.12	\$107,342.48	\$6,782.63	81,392	399,568
18	\$0.344	\$0.130	\$51,684	\$1,410,586	\$1,325,622	\$136,649	\$84,965	\$4,307.01	\$117,548.87	\$110,468.48	\$7,080.39	84,965	397,570
19	\$0.354	\$0.130	\$51,426	\$1,452,904	\$1,364,285	\$140,044	\$88,619	\$4,285.47	\$121,075.34	\$113,690.43	\$7,384.90	88,619	395,582
20	\$0.365	\$0.130	\$51,169	\$1,496,491	\$1,404,135	\$143,525	\$92,356	\$4,264.04	\$124,707.60	\$117,011.26	\$7,696.34	92,356	393,604
21	\$0.376	\$0.000	\$0	\$1,541,386	\$1,394,295	\$147,091	\$147,091	\$0.00	\$128,448.82	\$116,191.23	\$12,257.60	147,091	391,636
22	\$0.387	\$0.000	\$0	\$1,587,627	\$1,436,881	\$150,746	\$150,746	\$0.00	\$132,302.29	\$119,740.09	\$12,562.20	150,746	389,678
23	\$0.398	\$0.000	\$0	\$1,635,256	\$1,480,764	\$154,492	\$154,492	\$0.00	\$136,271.36	\$123,396.99	\$12,874.37	154,492	387,729
24	\$0.410	\$0.000	\$0	\$1,684,314	\$1,525,982	\$158,332	\$158,332	\$0.00	\$140,359.50	\$127,165.20	\$13,194.30	158,332	385,791
25	\$0.423	\$0.000	\$0	\$1,734,843	\$1,572,577	\$162,266	\$162,266	\$0.00	\$144,570.28	\$131,048.11	\$13,522.18	162,266	383,862
26	\$0.435	\$0.000	\$0	\$1,786,889	\$1,620,590	\$166,298	\$166,298	\$0.00	\$148,907.39	\$135,049.19	\$13,858.20	166,298	381,943
27	\$0.448	\$0.000	\$0	\$1,840,495	\$1,670,064	\$170,431	\$170,431	\$0.00	\$153,374.61	\$139,172.04	\$14,202.58	170,431	380,033
28	\$0.462	\$0.000	\$0	\$1,895,710	\$1,721,044	\$174,666	\$174,666	\$0.00	\$157,975.85	\$143,420.34	\$14,555.51	174,666	378,133
29	\$0.476	\$0.000	\$0	\$1,952,582	\$1,773,575	\$179,007	\$179,007	\$0.00	\$162,715.13	\$147,797.91	\$14,917.22	179,007	376,242
30	\$0.490	\$0.000	\$0	\$2,011,159	\$1,827,704	\$183,455	\$183,455	\$0.00	\$167,596.58	\$152,308.67	\$15,287.91	183,455	374,361
<b>Totals</b>	<b>\$0.330</b>	<b>\$0.092</b>	<b>\$1,138,024</b>	<b>\$40,602,192</b>	<b>\$37,797,150</b>	<b>\$3,943,066</b>	<b>\$2,805,042</b>	<b>\$94,835</b>	<b>\$3,383,516</b>	<b>\$3,149,762</b>	<b>\$233,753</b>	<b>\$2,805,042</b>	<b>88%</b>

The Collection assumes UHFUCO Loan at year 6 effective PPA rate is \$.13 per kWh

**Annual Savings By Year**

