

# Energy Savings Cash Flow Model

⚠ Enter your values in the YELLOW input cells. All other cells calculate automatically.

## INPUT ASSUMPTIONS (yellow cells are editable)

DC:AC Ratio	1:1.25	kWh / year	DC System Size (kW)	300.90	
Utility Rate (¢ / kWh)	9.500	cents per kWh	Annual kWh (I4 × Ratio × 1,000)	376,125	\$/watt → \$2.12
Annual Inflation Rate	3.0%	applied to rate & savings	<b>Total Cost</b>		
EMSA Cost / yr		EMSA Payment Escalator / yr	\$637,908		
Incentive / Rebate (\$)		applied in Year 1			
Analysis Period (years)	30	max 30 rows			
Start Calendar Year	2027				
kWh Degradation Rate (annual)	0.4%	applied to kWh each year			

A Year Number	B Calendar Year	C EMS Payment (\$)	D kWh Saved (w/ Degradation)	E Utility Rate (¢/kWh)	F Utility Inflation Factor	G Dollars Saved (\$)	H Incentive (\$)	I Annual Cash Flow (\$)	J Cumulative Cash Flow (\$)
1	2027	\$0	376,125	9.500	1.0000	\$35,732	\$8,275	\$44,007	\$44,007
2	2028	\$0	374,621	9.785	1.0300	\$36,657	\$8,275	\$44,931	\$88,938
3	2029	\$0	373,122	10.079	1.0609	\$37,605	\$8,275	\$45,880	\$134,818
4	2030	\$0	371,630	10.381	1.0927	\$38,579	\$8,275	\$46,853	\$181,671
5	2031	\$0	370,143	10.692	1.1255	\$39,577	\$8,275	\$47,852	\$229,523
6	2032	\$0	368,662	11.013	1.1593	\$40,601	\$8,275	\$48,876	\$278,399
7	2033	\$0	367,188	11.343	1.1941	\$41,652	\$8,275	\$49,927	\$328,326
8	2034	\$0	365,719	11.684	1.2299	\$42,730	\$8,275	\$51,005	\$379,330
9	2035	\$0	364,256	12.034	1.2668	\$43,836	\$8,275	\$52,110	\$431,441
10	2036	\$0	362,799	12.395	1.3048	\$44,970	\$8,275	\$53,245	\$484,686
11	2037	\$0	361,348	12.767	1.3439	\$46,134		\$46,134	\$530,820
12	2038	\$0	359,903	13.150	1.3842	\$47,328		\$47,328	\$578,148
13	2039	\$0	358,463	13.545	1.4258	\$48,553		\$48,553	\$626,701
14	2040	\$0	357,029	13.951	1.4685	\$49,809		\$49,809	\$676,510
15	2041	\$0	355,601	14.370	1.5126	\$51,098		\$51,098	\$727,608
16	2042	\$0	354,179	14.801	1.5580	\$52,421		\$52,421	\$780,029
17	2043	\$0	352,762	15.245	1.6047	\$53,778		\$53,778	\$833,807
18	2044	\$0	351,351	15.702	1.6528	\$55,169		\$55,169	\$888,976
19	2045	\$0	349,945	16.173	1.7024	\$56,597		\$56,597	\$945,573
20	2046	\$0	348,546	16.658	1.7535	\$58,062		\$58,062	\$1,003,635
21	2047	\$0	347,151	17.158	1.8061	\$59,564		\$59,564	\$1,063,199
22	2048	\$0	345,763	17.673	1.8603	\$61,106		\$61,106	\$1,124,305
23	2049	\$0	344,380	18.203	1.9161	\$62,687		\$62,687	\$1,186,993
24	2050	\$0	343,002	18.749	1.9736	\$64,310		\$64,310	\$1,251,302
25	2051	\$0	341,630	19.312	2.0328	\$65,974		\$65,974	\$1,317,277
26	2052	\$0	340,264	19.891	2.0938	\$67,681		\$67,681	\$1,384,958
27	2053	\$0	338,903	20.488	2.1566	\$69,433		\$69,433	\$1,454,391
28	2054	\$0	337,547	21.102	2.2213	\$71,230		\$71,230	\$1,525,621
29	2055	\$0	336,197	21.735	2.2879	\$73,073		\$73,073	\$1,598,695
30	2056	\$0	334,852	22.387	2.3566	\$74,965		\$74,965	\$1,673,659
<b>TOTALS</b>		<b>\$0</b>	<b>10,653,079</b>	<b>15.066</b>		<b>\$1,590,912</b>	<b>\$82,748</b>	<b>\$1,673,659</b>	<b>\$1,673,659</b>