

Stamford, CT - Yerwood
 147 KW Solar Project
 Prepared by Bridge Energy Services
 10/26/2023

Cash Purchase Option

Year	0	1	2	3	4	5	6	7	8	9	10	11
Solar Generation (kWh)		166,824	165,990	165,160	164,334	163,512	162,695	161,881	161,072	160,267	159,465	158,668
Capital Outlay	(\$454,230)											
Grant Reimbursement				\$0								
Federal Tax Credit / ITC		\$136,269										
Cash effect of depreciation												
Non-Residential Renewable Energy Solutions Program		\$33,523	\$33,356	\$33,189	\$33,023	\$32,858	\$32,694	\$32,530	\$32,367	\$32,206	\$32,045	\$31,884
Subtotal		\$169,792	\$33,356	\$33,189	\$33,023	\$32,858	\$32,694	\$32,530	\$32,367	\$32,206	\$32,045	\$31,884
Interest Payment												
Inverter Replacement		(3,028)	(3,028)	(3,028)	(3,028)	(3,028)	(3,028)	(3,028)	(3,028)	(3,028)	(3,028)	(3,028)
Operations & Maintenance		(\$2,940)	(\$3,028)	(\$3,119)	(\$3,213)	(\$3,309)	(\$3,408)	(\$3,511)	(\$3,616)	(\$3,724)	(\$3,836)	(\$3,951)
Subtotal		(5,968)	(6,056)	(6,147)	(6,241)	(6,337)	(6,436)	(6,539)	(6,644)	(6,753)	(6,864)	(6,979)
Net Benefit	(\$454,230)	163,824	\$27,299	\$27,042	\$26,782	\$26,521	\$26,257	\$25,991	\$25,723	\$25,453	\$25,180	\$24,905
Cumulative Benefit	(\$454,230)	(\$290,406)	(\$263,107)	(\$236,065)	(\$209,283)	(\$182,762)	(\$156,505)	(\$130,514)	(\$104,790)	(\$79,337)	(\$54,157)	(\$29,252)

Simple Payback (Years)	12.19
Internal Rate of Return	6.89%
Total Benefit	\$ 197,171
NPV of Net Benefit	\$ (1,058)
NPV Discount Rate	5.00%
Post Program Revenues	\$ -
System Size (kW DC)	147
Tax Rate	35.0%
Inflation	3.0%
NRES Incentive Rate	\$ 0.201

These Figures are estimates for discussion only.

12	13	14	15	16	17	18	19	20	20 YR Total
157,875	157,085	156,300	155,518	154,741	153,967	153,197	152,431	151,669	3,182,652
									(\$454,230.00)
									\$0.00
									\$0.00
\$31,725	\$31,566	\$31,408	\$31,251	\$31,095	\$30,940	\$30,785	\$30,631	\$30,478	\$639,554
\$31,725	\$31,566	\$31,408	\$31,251	\$31,095	\$30,940	\$30,785	\$30,631	\$30,478	\$775,823
(3,028)	(3,028)	(3,028)	(3,028)						(45,423)
(\$4,070)	(\$4,192)	(\$4,317)	(\$4,447)	(\$4,580)	(\$4,718)	(\$4,859)	(\$5,005)	(\$5,155)	(\$78,999)
(7,098)	(7,220)	(7,346)	(7,475)	(4,580)	(4,718)	(4,859)	(5,005)	(5,155)	(124,422)
\$24,627	\$24,346	\$24,063	\$23,776	\$26,515	\$26,222	\$25,926	\$25,626	\$25,323	\$197,171
(\$4,625)	\$19,721	\$43,784	\$67,560	\$94,075	\$120,297	\$146,223	\$171,848	\$197,171	