

Stamford, CT - Vehicle Maintenance
 240 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	12
Solar Generation (kWh)		268,585	267,242	265,906	264,576	263,253	261,937	260,627	259,324	258,027	256,737	255,454	254,176
Capital Outlay	(\$552,240)												
Grant Reimbursement				\$0									
Federal Tax Credit / ITC		\$165,672											
Cash effect of depreciation													
Non-Residential Renewable Energy Solutions Program		\$53,972	\$53,702	\$53,434	\$53,167	\$52,901	\$52,636	\$52,373	\$52,111	\$51,851	\$51,591	\$51,333	\$51,077
Subtotal		\$219,644	\$53,702	\$53,434	\$53,167	\$52,901	\$52,636	\$52,373	\$52,111	\$51,851	\$51,591	\$51,333	\$51,077
Interest Payment													
Inverter Replacement		(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)	(3,682)
Operations & Maintenance		(\$4,800)	(\$4,944)	(\$5,092)	(\$5,245)	(\$5,402)	(\$5,565)	(\$5,731)	(\$5,903)	(\$6,080)	(\$6,263)	(\$6,451)	(\$6,644)
Subtotal		(8,482)	(8,626)	(8,774)	(8,927)	(9,084)	(9,246)	(9,413)	(9,585)	(9,762)	(9,945)	(10,132)	(10,326)
Net Benefit	(\$552,240)	211,162	\$45,077	\$44,660	\$44,240	\$43,817	\$43,390	\$42,960	\$42,526	\$42,089	\$41,647	\$41,201	\$40,751
Cumulative Benefit	(\$552,240)	(\$341,078)	(\$296,001)	(\$251,341)	(\$207,101)	(\$163,285)	(\$119,894)	(\$76,934)	(\$34,408)	\$7,680	\$49,327	\$90,528	\$131,279

Simple Payback (Years)	8.82
Internal Rate of Return	10.76%
Total Benefit	\$ 458,905
NPV of Net Benefit	\$ 130,898
NPV Discount Rate	5.00%
Post Program Revenues	\$ -
System Size (kW DC)	240
Tax Rate	35.0%
Inflation	3.0%
NRES Incentive Rate	\$ 0.201

These Figures are estimates for discussion only.

13	14	15	16	17	18	19	20	20 YR Total
252,905	251,641	250,383	249,131	247,885	246,646	245,413	244,185	5,124,033
								(\$552,240.00)
								\$0.00
								\$0.00
\$50,821	\$50,567	\$50,314	\$50,063	\$49,813	\$49,563	\$49,316	\$49,069	\$1,029,674
\$50,821	\$50,567	\$50,314	\$50,063	\$49,813	\$49,563	\$49,316	\$49,069	\$1,195,346
								(55,224)
(3,682)	(3,682)	(3,682)	(7,478)	(7,703)	(7,934)	(8,172)	(8,417)	(\$128,978)
(\$6,844)	(\$7,049)	(\$7,260)	(7,478)	(7,703)	(7,934)	(8,172)	(8,417)	(184,202)
(10,525)	(10,731)	(10,942)	(7,478)	(7,703)	(7,934)	(8,172)	(8,417)	(184,202)
\$40,296	\$39,837	\$39,372	\$42,585	\$42,110	\$41,630	\$41,144	\$40,652	\$458,905
\$171,575	\$211,412	\$250,784	\$293,369	\$335,479	\$377,108	\$418,252	\$458,905	