

Deer Park Union Free School District

October 30, 2023: For Lighting Change Order



Yr	A1 NYSED Building Aid	A2 Annual Energy Cost With Out Savings	A3 Annual Energy Cost with Improvements	A=A2-A3 Annual Energy Savings	B Annual O&M savings	C Estimated Rebate Program	D=A1+A+B+C Total Annual Savings	E Annual Lease Payment	F Annual Service M&V Costs	D+E Annual Cash Flow	Cumulative Cash Flow
1	\$325,083	\$1,060,256	\$704,641	\$355,615	\$82,404	\$201,293	\$964,395	(\$683,334)	\$0	\$281,061	\$281,061
2	\$325,083	\$1,081,461	\$718,734	\$362,727	\$82,404	\$0	\$770,214	(\$683,334)	\$0	\$86,880	\$367,942
3	\$325,083	\$1,103,090	\$733,108	\$369,982	\$82,404	\$0	\$777,469	(\$683,334)	\$0	\$94,135	\$462,077
4	\$325,083	\$1,125,152	\$747,770	\$377,381	\$82,404	\$0	\$784,868	(\$683,334)	\$0	\$101,535	\$563,611
5	\$325,083	\$1,147,655	\$762,726	\$384,929	\$82,404	\$0	\$792,416	(\$683,334)	\$0	\$109,082	\$672,693
6	\$325,083	\$1,170,608	\$777,980	\$392,627	\$82,404	\$0	\$800,115	(\$683,334)	\$0	\$116,781	\$789,474
7	\$325,083	\$1,194,020	\$793,540	\$400,480	\$82,404	\$0	\$807,967	(\$683,334)	\$0	\$124,633	\$914,107
8	\$325,083	\$1,217,900	\$809,411	\$408,490	\$82,404	\$0	\$815,977	(\$683,334)	\$0	\$132,643	\$1,046,750
9	\$325,083	\$1,242,258	\$825,599	\$416,659	\$82,404	\$0	\$824,146	(\$683,334)	\$0	\$140,813	\$1,187,563
10	\$325,083	\$1,267,104	\$842,111	\$424,993	\$82,404	\$0	\$832,480	(\$683,334)	\$0	\$149,146	\$1,336,709
11	\$325,083	\$1,292,446	\$858,953	\$433,492	\$82,404	\$0	\$840,980	(\$683,334)	\$0	\$157,646	\$1,494,354
12	\$325,083	\$1,318,295	\$876,132	\$442,162	\$82,404	\$0	\$849,649	(\$683,334)	\$0	\$166,316	\$1,660,670
13	\$325,083	\$1,344,660	\$893,655	\$451,006	\$82,404	\$0	\$858,493	(\$683,334)	\$0	\$175,159	\$1,835,829
14	\$325,083	\$1,371,554	\$911,528	\$460,026	\$82,404	\$0	\$867,513	(\$683,334)	\$0	\$184,179	\$2,020,008
15	\$325,083	\$1,398,985	\$929,759	\$469,226	\$82,404	\$0	\$876,713	(\$683,334)	\$0	\$193,379	\$2,213,387
16	\$0	\$1,426,964	\$948,354	\$478,611	\$82,404	\$0	\$0	\$0	\$0	\$0	\$2,213,387
17	\$0	\$1,455,504	\$967,321	\$488,183	\$82,404	\$0	\$0	\$0	\$0	\$0	\$2,213,387
18	\$0	\$1,484,614	\$986,667	\$497,947	\$82,404	\$0	\$0	\$0	\$0	\$0	\$2,213,387
Total	\$4,876,246	\$22,702,524	\$15,087,989	\$7,614,536	\$1,483,272	\$201,293	\$12,463,394	(\$10,250,007)	\$0	\$2,213,387	\$2,213,387

Total Project Net Cost:	\$7,965,572	NYSED Capital Building Aid Rate:	52.7%
Gross Project Costs:		NYSED Capital Building Aid Nominal Interest Rate:	2.500%
Other Costs (Construction Interest):		NYSED Amortized Amount:	\$7,965,572
Net Financed Investment:	\$7,965,572	NYSED Aid Payment Period (yrs):	15.0
Loan Interest Rate:	3.5%	NYSED Adjusted Payback (yrs):	17.90
Loan Term in Years:	15	Service Inflation Rate:	0%
Loan Payments Per Year:	1	Energy Inflation Rate:	2%
Total No. of Loan Payments in Arrears:	15	Operational Savings Inflation Rate:	0%
Sum of Annual Loan Payments:	\$683,334	Total Program Cumulative Cash Flow:	\$2,213,387
Johnson Controls' Guarantee Period:	18	Net Present Value (at 5%):	\$1,508,342