

## Dallastown HS

System Size  kW

tilt	kWh produced	chose tilt	selected
10	565861	<input checked="" type="checkbox"/>	565861

Annual Production (20 yr. avg) 565,861 kWh

Annual Energy Usage on Site

Solar Production Percentage

Current Elec Costs (1 yr avg)

Projected cost (post rate cap) \$ 0.0960

Annual projected escalation

Cost of system

Construction cost \$ 3,036,000

Soft Cost Percentage

Soft Costs \$ 394,680

Total Installed Cost \$ 3,430,680

Financing period

Financing percentage

Projected SREC values  SREC prices have averaged \$284 in PA for the last 6 months

Dallastown Area SD - Solar PV



Act 1 Grant Amount per watt	\$ 1.98
Act 1 Grant	\$ 1,000,000
PA Conservation Works Grant	\$ -
Total Grants	\$ 1,000,000
Net Installed Cost	\$ 2,430,680

Year	Annual kWh	System Costs	Financing Initial Cost	Financing Other	Total Costs	SREC Income	Util Rate	Avoided Utility	Yearly Income / Savings	Cummulative Savings
0		\$ (2,430,680)	\$ (3,737,226)	\$ (207,633)	\$ (3,944,859)	\$ 250.00	\$ 0.0960			
1	622,447		\$ (186,861)		\$ (186,861)	\$ 155,611.78	\$ 0.0960	\$ 59,755	\$ 215,367	\$ 28,505
2	616,223		\$ (186,861)		\$ (186,861)	\$ 154,055.66	\$ 0.0989	\$ 60,932	\$ 214,988	\$ 28,126
3	610,060		\$ (186,861)		\$ (186,861)	\$ 152,515.10	\$ 0.1018	\$ 62,132	\$ 214,648	\$ 27,786
4	603,960		\$ (186,861)		\$ (186,861)	\$ 150,989.95	\$ 0.1049	\$ 63,356	\$ 214,346	\$ 27,485
5	597,920		\$ (186,861)		\$ (186,861)	\$ 149,480.05	\$ 0.1080	\$ 64,605	\$ 214,085	\$ 27,223
6	591,941		\$ (186,861)		\$ (186,861)	\$ 147,985.25	\$ 0.1113	\$ 65,877	\$ 213,863	\$ 27,001
7	586,022		\$ (186,861)		\$ (186,861)	\$ 146,505.40	\$ 0.1146	\$ 67,175	\$ 213,680	\$ 26,819
8	580,161		\$ (186,861)		\$ (186,861)	\$ 145,040.34	\$ 0.1181	\$ 68,498	\$ 213,539	\$ 26,677
9	574,360		\$ (186,861)		\$ (186,861)	\$ 143,589.94	\$ 0.1216	\$ 69,848	\$ 213,438	\$ 26,576
10	568,616		\$ (186,861)		\$ (186,861)	\$ 142,154.04	\$ 0.1253	\$ 71,224	\$ 213,378	\$ 26,517
11	562,930		\$ (186,861)		\$ (186,861)	\$ 140,732.50	\$ 0.1290	\$ 72,627	\$ 213,359	\$ 26,498
12	557,301		\$ (186,861)		\$ (186,861)	\$ 139,325.17	\$ 0.1329	\$ 74,058	\$ 213,383	\$ 26,522
13	551,728		\$ (186,861)		\$ (186,861)	\$ 137,931.92	\$ 0.1369	\$ 75,517	\$ 213,449	\$ 26,587
14	546,210		\$ (186,861)		\$ (186,861)	\$ 136,552.60	\$ 0.1410	\$ 77,004	\$ 213,557	\$ 26,696
15	540,748		\$ (186,861)		\$ (186,861)	\$ 135,187.08	\$ 0.1452	\$ 78,521	\$ 213,708	\$ 26,847
16	535,341		\$ (186,861)		\$ (186,861)	\$ 133,835.21	\$ 0.1496	\$ 80,068	\$ 213,903	\$ 27,042
17	529,987		\$ (186,861)		\$ (186,861)	\$ 132,496.86	\$ 0.1541	\$ 81,646	\$ 214,142	\$ 27,281
18	524,688		\$ (186,861)		\$ (186,861)	\$ 131,171.89	\$ 0.1587	\$ 83,254	\$ 214,426	\$ 27,565
19	519,441		\$ (186,861)		\$ (186,861)	\$ 129,860.17	\$ 0.1634	\$ 84,894	\$ 214,754	\$ 27,893
20	514,246		\$ (186,861)		\$ (186,861)	\$ 128,561.57	\$ 0.1683	\$ 86,566	\$ 215,128	\$ 28,267
21	509,104	(182,301)		\$ (41,527)	\$ (41,527)	\$ 127,275.95	\$ 0.1734	\$ 88,272	\$ 215,548	\$ 174,021
22	504,013			\$ (41,527)	\$ (41,527)	\$ 126,003.19	\$ 0.1786	\$ 90,011	\$ 216,014	\$ 174,487
23	498,973			\$ (41,527)	\$ (41,527)	\$ 124,743.16	\$ 0.1839	\$ 91,784	\$ 216,527	\$ 175,000
24	493,983			\$ (41,527)	\$ (41,527)	\$ 123,495.73	\$ 0.1895	\$ 93,592	\$ 217,088	\$ 175,561
25	489,043			\$ (41,527)	\$ (41,527)	\$ 122,260.77	\$ 0.1951	\$ 95,436	\$ 217,697	\$ 176,170
26	484,153				\$ -	\$ 121,038.16	\$ 0.2010	\$ 97,316	\$ 218,354	\$ 218,354
27	479,311				\$ -	\$ 119,827.78	\$ 0.2070	\$ 99,233	\$ 219,061	\$ 219,061
28	474,518				\$ -	\$ 118,629.50	\$ 0.2132	\$ 101,188	\$ 219,818	\$ 219,818
29	469,773				\$ -	\$ 117,443.21	\$ 0.2196	\$ 103,181	\$ 220,625	\$ 220,625
30	465,075				\$ -	\$ 116,268.78	\$ 0.2262	\$ 105,214	\$ 221,483	\$ 221,483
Total	16,202,275	(2,612,981)	\$ (3,737,226)	\$ (207,633)	\$ (3,944,859)	\$ 4,050,568.69		\$ 2,412,785	\$ 6,463,354	\$ 2,518,495

## Dallastown HS

System Size 506 kW

tilt	kWh produced	chose tilt	selected
10	565861	X	565861

Annual Production (20 yr. avg)      565,861 kWh  
 Annual Energy Usage on Site  
 Solar Production Percentage

Current Elec Costs (1 yr avg)  
 Projected cost (post rate cap)      \$    0.0960  
 Annual projected escalation      3.00%

Cost of system      \$    4.35 This is the lowest bid received to date  
 Construction cost      \$ 2,201,100  
 Soft Cost Percentage      13.0%  
 Soft Costs      \$ 286,143  
 Total Installed Cost      \$ 2,487,243  
 Financing period      20.00  
 Financing percentage      4.50%

Projected SREC values      \$    88.00 This would be the breakeven SREC price at this cost

Dallastown Area SD - Solar PV



Act 1 Grant Amount per watt	\$ 1.98
Act 1 Grant	\$ 1,000,000
PA Conservation Works Grant	\$ -
Total Grants	\$ 1,000,000
Net Installed Cost	\$ 1,487,243

Year	Annual kWh	System Costs	Financing Initial Cost	Financing Other	Total Costs	SREC Income	Util Rate	Avoided Utility	Yearly Income / Savings	Cummulative Savings
0		\$ (1,487,243)	\$ (2,286,670)	\$ (127,043)	\$ (2,413,713)		\$ 0.0960			
1	622,447		\$ (114,334)		\$ (114,334)	\$ 54,775.34	\$ 0.0960	\$ 59,755	\$ 114,530	\$ 197
2	616,223		\$ (114,334)		\$ (114,334)	\$ 54,227.59	\$ 0.0989	\$ 60,932	\$ 115,160	\$ 826
3	610,060		\$ (114,334)		\$ (114,334)	\$ 53,685.32	\$ 0.1018	\$ 62,132	\$ 115,818	\$ 1,484
4	603,960		\$ (114,334)		\$ (114,334)	\$ 53,148.46	\$ 0.1049	\$ 63,356	\$ 116,505	\$ 2,171
5	597,920		\$ (114,334)		\$ (114,334)	\$ 52,616.98	\$ 0.1080	\$ 64,605	\$ 117,222	\$ 2,888
6	591,941		\$ (114,334)		\$ (114,334)	\$ 52,090.81	\$ 0.1113	\$ 65,877	\$ 117,968	\$ 3,635
7	586,022		\$ (114,334)		\$ (114,334)	\$ 51,569.90	\$ 0.1146	\$ 67,175	\$ 118,745	\$ 4,411
8	580,161		\$ (114,334)		\$ (114,334)	\$ 51,054.20	\$ 0.1181	\$ 68,498	\$ 119,553	\$ 5,219
9	574,360		\$ (114,334)		\$ (114,334)	\$ 50,543.66	\$ 0.1216	\$ 69,848	\$ 120,392	\$ 6,058
10	568,616		\$ (114,334)		\$ (114,334)	\$ 50,038.22	\$ 0.1253	\$ 71,224	\$ 121,262	\$ 6,929
11	562,930		\$ (114,334)		\$ (114,334)	\$ 49,537.84	\$ 0.1290	\$ 72,627	\$ 122,165	\$ 7,831
12	557,301		\$ (114,334)		\$ (114,334)	\$ 49,042.46	\$ 0.1329	\$ 74,058	\$ 123,100	\$ 8,767
13	551,728		\$ (114,334)		\$ (114,334)	\$ 48,552.04	\$ 0.1369	\$ 75,517	\$ 124,069	\$ 9,735
14	546,210		\$ (114,334)		\$ (114,334)	\$ 48,066.52	\$ 0.1410	\$ 77,004	\$ 125,071	\$ 10,737
15	540,748		\$ (114,334)		\$ (114,334)	\$ 47,585.85	\$ 0.1452	\$ 78,521	\$ 126,107	\$ 11,774
16	535,341		\$ (114,334)		\$ (114,334)	\$ 47,109.99	\$ 0.1496	\$ 80,068	\$ 127,178	\$ 12,845
17	529,987		\$ (114,334)		\$ (114,334)	\$ 46,638.89	\$ 0.1541	\$ 81,646	\$ 128,284	\$ 13,951
18	524,688		\$ (114,334)		\$ (114,334)	\$ 46,172.50	\$ 0.1587	\$ 83,254	\$ 129,426	\$ 15,093
19	519,441		\$ (114,334)		\$ (114,334)	\$ 45,710.78	\$ 0.1634	\$ 84,894	\$ 130,605	\$ 16,271
20	514,246		\$ (114,334)		\$ (114,334)	\$ 45,253.67	\$ 0.1683	\$ 86,566	\$ 131,820	\$ 17,487
21	509,104	(111,543)		\$ (25,409)	\$ (25,409)	\$ 44,801.13	\$ 0.1734	\$ 88,272	\$ 133,073	\$ 107,664
22	504,013			\$ (25,409)	\$ (25,409)	\$ 44,353.12	\$ 0.1786	\$ 90,011	\$ 134,364	\$ 108,955
23	498,973			\$ (25,409)	\$ (25,409)	\$ 43,909.59	\$ 0.1839	\$ 91,784	\$ 135,694	\$ 110,285
24	493,983			\$ (25,409)	\$ (25,409)	\$ 43,470.50	\$ 0.1895	\$ 93,592	\$ 137,063	\$ 111,654
25	489,043			\$ (25,409)	\$ (25,409)	\$ 43,035.79	\$ 0.1951	\$ 95,436	\$ 138,472	\$ 113,063
26	484,153				\$ -	\$ 42,605.43	\$ 0.2010	\$ 97,316	\$ 139,921	\$ 139,921
27	479,311				\$ -	\$ 42,179.38	\$ 0.2070	\$ 99,233	\$ 141,412	\$ 141,412
28	474,518				\$ -	\$ 41,757.59	\$ 0.2132	\$ 101,188	\$ 142,946	\$ 142,946
29	469,773				\$ -	\$ 41,340.01	\$ 0.2196	\$ 103,181	\$ 144,521	\$ 144,521
30	465,075				\$ -	\$ 40,926.61	\$ 0.2262	\$ 105,214	\$ 146,141	\$ 146,141
Total	16,202,275	(1,598,786)	\$ (2,286,670)	\$ (127,043)	\$ (2,413,713)	\$ 1,425,800.18		\$ 2,412,785	\$ 3,838,585	\$ 1,424,872