


Preliminary PV Project Financials

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|--|---|------------------|--|-----------------|----------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
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| Date | 10/1/2009 | | | | | | | | | | | |
| Project Name | sample | | | | | | | | | | | |
| Project Location | PA | | | | | | | | | | | |
| Project Information | | | | | | | | | | | | |
| System Size (kW-DC) | | 6 | | | | | | | | | | |
| Cost per kW (\$/kW) | | \$6,000 | | | | | | | | | | |
| Total Construction Cost | | \$36,000 | | | | | | | | | | |
| Key inputs | | | | | | | | | | | | |
| Capacity Factor | | 12.0% | The ratio of a power plant's average production to its rated capability is known as <i>capacity factor</i> . | | | | | | | | | |
| System Performance Degradation (%/yr) | | 0.50% | Note: degradation reflected in annual production estimates | | | | | | | | | |
| Inflation Rate | | 3.000% | | | | | System life span | 25 years | | | | |
| SREC 10-Year Minimum Value per Kwh | | \$0.300 | 0.500 | 0 | | | | | | | | |
| Utility all in rate | | 0.15 | 0.1875 | | | | | | | | | |
| Program Years | | | | | | | | | | | | |
| | | <u>Yr 1</u> | <u>Yr 2</u> | <u>Yr 3</u> | <u>Yr 4</u> | <u>Yr 5</u> | <u>Yr 6</u> | <u>Yr 7</u> | <u>Yr 8</u> | <u>Yr 9</u> | <u>Yr 10</u> | <u>Yr 11</u> |
| Year | | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Annual Production (kWh) | | 6,307 | 6,276 | 6,244 | 6,213 | 6,182 | 6,151 | 6,120 | 6,090 | 6,059 | 6,029 | 5,999 |
| Cash flow | | | | | | | | | | | | |
| PA Sunshine rebates | link | 13500 | | | | | | | | | | |
| Fed Tax Credit 30% | link | | 6750 | | | | | | | | | |
| State Tax Credit 15% | link | | 0 | | | | | | | | | |
| Assumed SREC Value | link | \$1,892 | \$3,138 | \$3,122 | \$3,107 | \$3,091 | \$3,076 | \$3,060 | \$3,045 | \$3,030 | \$3,014 | \$1,800 |
| Savings from utility bill | | \$946 | \$1,177 | \$1,171 | \$1,165 | \$1,159 | \$1,153 | \$1,148 | \$1,142 | \$1,136 | \$1,130 | \$1,125 |
| Total annual income | | \$16,338 | \$11,065 | \$4,293 | \$4,271 | \$4,250 | \$4,229 | \$4,208 | \$4,187 | \$4,166 | \$4,145 | \$2,924 |
| Cumulative Cash Flow | -\$36,000 | -\$19,662 | -\$8,597 | -\$4,304 | -\$33 | \$4,217 | \$8,446 | \$12,654 | \$16,841 | \$21,006 | \$25,151 | \$28,076 |
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