

CSU-Pueblo / Black Hills Energy / BP Solar System Installation Fact Sheet

Basics

- Array composed of 6,820 BP Solar modules
- System size 1.2 megawatts (MW) DC / 1 megawatt (MW) AC which is expected to generate approximately 10% of the university's electric usage
- Capable of generating approximately 1,800 MWh of electricity per year; estimated to eliminate 1281 Metric Tons of CO₂ per year or removing 235 cars from the road*.
- Construction began August 4, 2008
- System operational on December 19, 2008
- Delivered on time and injury-free
- McBride Electric served as general contractor on the project
- 58 workers on site during peak construction of this project which took over 18,000 man hours to complete

System Specifications

- Custom UniRac "Solar Mount" module structure
- Fixed tilt 20 degree south facing array
- 1,784 12in diameter by 8.5ft deep-drilled concrete pier foundations
- 4 Xantrex GT250 KW inverters
- Energy Recommerce Data Acquisition System, web based
- 4.3 acre site sloping 12% from west to east, array installed on a hillside

* Emissions calculations obtained from US EPA Gas Equivalencies Calculator.