

**Environmental Impact Estimates**

Job: Sanda Residence  
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Annual Solar Energy Produced 18,303 kWh  
 Current Annual Energy Value \$ 2,026.64

**Annual Environmental Savings**

CO2 Emissions Offset 21,253 lbs  
 SO2 Emissions Offset 87 lbs  
 NOx Emissions Offset 23 lbs  
 Equal to Driving an SUV 20,435 miles  
 Number of Trees Needed to Offset CO2 69 Trees

Lifetime Solar Energy Produced 518,400 kWh  
 Lifetime Energy Value \$ 138,826.93

**Lifetime Environmental Savings**

CO2 Emissions Offset 601,946 lbs  
 SO2 Emissions Offset 2,453 lbs  
 NOx Emissions Offset 659 lbs  
 Equal to Driving an SUV 861,581 miles

Source Data:

SC Electric Power Industry Emissions (source: Energy Information Administration - 2008)

Total MWh of electricity generated in SC	80,651,000	MWh			
State CO2 emissions from production	42,490,369	metric tons	=>	1,161.16	lbs / MWh
State SO2 emissions from production	173,185	metric tons	=>	4.73	lbs / MWh
State NOx emissions from production	46,493	metric tons	=>	1.27	lbs / MWh