Committed to Sustainable Design

LEED Gold Certified

Founders Hall, Juniata College
Huntingdon, PA

MTSU Student Union
LEED Registered

LEED Gold / Silver Certified

The Commons, Vanderbilt University

100 percent LEED AP staff

8 LEED Projects

4 LEED Gold Certified
2 LEED Silver Certified
2 LEED Registered

- SDR Awarded 2008 “Green Star” for Corporate Commitment, US Green Building Council, Middle Tennessee
- Carly Wansing, Assoc. AIA, LEED AP, awarded 2009 “Green Star”-Individual Commitment
- SDR actively supports both the national and local chapter initiatives of the United States Green Building Council (USGBC)
- First Commercial firm in Tennessee to participate in the NES Energy Partners Program and the Tennessee Clean Energy Technology grant program
- In 2007, the firm installed a 12-kw array of solar panels on our office building, providing our own electricity on sunny days and diverting power back to the utility company on sunny weekends
- Firm partners have helped a wide variety of community and professional groups better understand the critical role of sustainable design through presentations, including lectures in Binzhou Province, China, and Montreal, Canada.
- Solar Monitor at streetdixonrick.com

www.streetdixonrick.com

SDR
STREET DIXON RICK
Architecture, PLC

Solar Facts

Green Star Award *(left)*
Urban Land Institute Award of Excellence *(right)*

Steve Rick, AIA, LEED AP, explains the finer points of the meters to 4th Graders

Bird's Eye View

- The Solar Electrical (Photovoltaic) System consists of 72 Sharp 170 watt poly-crystalline silicon photovoltaic panels and two SMA Sunny Boy 6000 watt Inverters.
- The German made inverter is 95% efficient and provides Total Harmonic distortion of less than 4%.
- Made of the highest quality, the inverter matches the grid voltage, phase, and frequency with constant sampling by parallel redundant processors.
- All electrical components are UL listed and all DC equipment is rated at 600V DC.
- Solar system puts approximately 1,050 square feet of black rubber roofing material in the shade and thereby reduces heat buildup in the building, saving cooling costs.
- Production approximately 15,000 kWh/year.
- Provides the environmental benefits of avoiding emission of 34,000 pounds of carbon dioxide, 178 pounds of sulfur dioxide and 90 pounds of nitrous oxide per year.
- Environmental benefits continue to accrue annually over the 25 year warranted life of the panels and quite possibly for an addition 10 to 25 years.
- Installed/Designed by Lightwave Electric
  301 Battle RD.
  Antioch, TN 37013
  P: 615-294-9630