



Winner of the Green Star Award
for Individual Contribution

Carly Wansing practices what she teaches. Whether it's persuading clients how meaningful and fun it will be to engage in sustainable design -- or working in her own home to test sustainable materials like cork flooring -- she quietly lives a "greener" life by example.

For some, it may be easier to advocate sustainable designs than to practice the principles of sustainability at home and at work. Not so for Carly. While she is recognized as one of Street Dixon Rick Architecture's experts in sustainable design, she has demonstrated a serious commitment to deepening her understanding of what it means to live sustainably. She puts the very same principles she advises for clients into practice every day at work and in her residence.

Illustrated over the next few pages are details of how Carly and Ed Wansing are achieving their goal of taking an existing home and making it as energy efficient as possible. They have incorporated many elements that also reflect the healthy environment goals of LEED.

*Green Star Award presented by the Middle Tennessee
United States Green Building Council*



Watch-dog Ally guards the panels just in case a solar panel thief is on the loose.



Carly and Ed bask in the sunshine below the panels. The dynamic green duo were also featured in *The Tennessean*.

CARLY WANSING

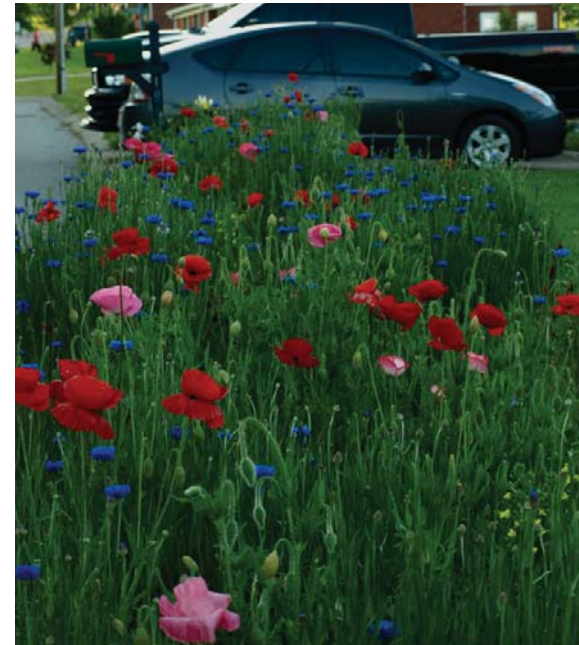
Investing in a home and making these changes takes a true commitment to the essence of what it means to leave the world a better place.

Carly did not stop there, however. Just a few more of her everyday actions include recycling, unplugging everything when not in use and composting.

When it comes to transportation, she owns a Prius, Ed uses a motorcycle and the couple shares commuting whenever possible. That's not all - they have even experimented with re-using veggie oil in the Mercedes.

They have thought through their landscaping. To use less water, reduce water runoff and gas consumption from the mower, they planted wildflowers in the yard. (Yes, that's the Prius in the background.)

Carly and Ed are generous with their expertise. They encourage change in others quietly and effectively. They are happy to share their knowledge - even giving up their weekends to install radiant barrier for other people - a total of 20,000 square feet so far.



Everyday actions:

- Uses gray water to flush, front load washer, 0.5 gpm aerators, low flow showerheads and water saving dishwasher.
- Dries clothes on a line in the sunshine.
- Uses rain barrels to collect water for plants.



Serious organic gardening.



Sustainable materials were used throughout the home. Including: cork, bamboo, wheat board flooring instead of particle board and corrugated metal ceiling.



Energy Star appliances throughout home.



When empty, we expect the bottle will be recycled. Like the tubes, cleverly being re-used to hold up the table top. We are told the table is even strong enough to be "Ally-proof."

Every client wants facts about LEED when they start a project. How will this reduce my operating costs?

Carly and Ed have carefully documented the impact of their improvements on utility bills.

Investments:

- Installed 12 solar panels
- Installed tankless gas water heater
- Added radiant barrier in attic
- Use programmable thermostat
- CFL's

Results:

- The highest electric bill was \$13.66.
- *In fact their electric company OWES them \$51.*
- In 2008, they used a grand total of 199 kwh from the grid for a cost of \$15.47. A typical household uses as much as 18,000 kwh per year.
- The highest electric bill was January 2009 - 261 kwh at a cost of \$13.66 and
 - *they paid for this one from their CREDIT with the power company.*
- The water bill has trickled down to half of what it had been before. That's 1200 gallons a month, when the average family uses around 5000 gallons.

Biography

Whether it's the intricate details involved in a complete historical restoration and renovation or the creative passion of designing something entirely new, clients and team members trust Carly Wansing's design skills, experience and insights.

Her most recent project, Founders Hall, is a renovation and addition to the oldest building on the campus of Juniata College in Huntingdon, PA. The original building was completed in 1879. For Carly, one of the most exciting aspects of this project was the client's desire to pursue LEED Silver certification through the U.S. Green Building Council. Carly managed this complex project with considerable communication and team leadership skills far beyond what might normally be expected.

Hearing her describe the labyrinth of materials and workmanship the team uncovered at Founders Hall during renovation, one gets a sense of her deep respect for the artisanship historical buildings may contain. At the same time, she is deeply committed to creating designs that will wear well over time and remain inspirational for future generations. For Founders Hall in particular, it was critical for the design team to incorporate as much natural light into the building interiors as possible, an important component of LEED.

At Founders Hall, interior features include cork flooring, bamboo plywood reception desks with paperstone counter tops, Icynene spray-on insulation, agrifiber core doors and low VOC paint and stain.



Founders Hall, Juniata College

- 10,000 gallon rain water collection system for irrigation
- Geothermal heating and cooling
- Transformer uses Envirotemp FR3 fluid that has ultimate biodegradability
- Dual flush toilets / waterless urinals
- Half-gallon per minute faucets
- All lighting on automatic controls so lights go out when space is not occupied.
- Existing exterior light fixtures retrofitted for CFL's
- College purchases renewable energy credits for 40 percent of the entire campus.



Remember that part about leading quietly and without ostentation? Here, Carly shares the limelight with colleagues Crispin Mathias + Fisher, Assoc. AIA, LEED AP, and Sarah Dexheimer, Assoc. AIA, LEED AP. The trio won a national marketing communications award for the Christmas card created for Street Dixon Rick Architecture. The card was designed on flower-seeded paper and became a self-folding envelope. Fun. Sustainable. Memorable.

It wouldn't be Earth Day in Centennial Park without Carly & Ed. They have set up the USGBC booth and staffed the event for the past four years.

Select Honors & Activities

National Marketing Communications Award
Design, Small Firm
August, 2008

Memberships

Middle Tennessee Chapter of USGBC
Nashville Area Emerging Green Builders
Committee on the Environment
Member, Friend of the Trail, Ashland City

Education

Kansas State University
Manhattan, KS
Bachelor of Architecture, 2003

Architecture Foreign Studies Program
Castiglion Fiorentino, Italy
Spring Semester, 2002

University of Missouri-Kansas City
Kansas City, MO
Two year transfer program with KSU
Fall of 1998 to Spring of 2000

National GreenBuild Conference, 2004-2008.