

# 2008 SE2 PHOTOS OF WINNING PROJECTS

## Award of Excellence



**Discovery World at Pier Wisconsin, Milwaukee**  
*Submitted by HGA Architects & Engineers*

## Awards of Merit



**Dr. Wesley L. Scott  
Senior Living Community, Milwaukee**  
*Submitted by Gorman & Company*



**Good To Go EConvenience Centers, Grand Chute**  
*Submitted by Zabest Commercial Group*

## Special Citations



**WECC, Madison**  
*Submitted by Eppstein Uhen Architects, Inc.*



**ABC National Support Center, Beloit**  
*Submitted by Corporate Contractors, Inc.*



**Wigwam Mills, Inc., Sheboygan**  
*Submitted by Hot Water Products, Inc.*

**Discovery World at Pier Wisconsin:**

This is a complex building with many energy intensive displays and exhibits including an aquarium and the design team seemed to prioritize every possible efficiency opportunity, and in addition to daylighting and passive solar shading, the building includes every practical method of reducing and recovering process loads and heat. The lighting system is equally efficient, using multiple level lighting controls and employing state of the art ceramic metal halide lamps to save connected lighting power load in exhibit areas. And at least some of the facility's power comes from wind and PV panels. Other sustainable elements include certified forest products, a green roof for the parking garage, and throughout the building, a complete portfolio of numerous sustainable expressions, big and small. This museum may be one of the best in America in telling a story of sustainable thinking and design.

**Dr. Wesley L. Scott Senior Living Community:**

This project achieves its distinction under the most difficult of circumstances: modest funding, challenged neighborhood, volunteer fundraising, and adaptively re-using a modest older building in a modern, sustainable and efficient way. Yet despite its handicaps, this project succeeds where so many others fail. A simple, handsome addition couples an efficient and functional facility to the old academic building, the result both attractive and substantial. A smart combination of building design and simple systems places this wonderful building in the top 25% percentile of all multi-family buildings. Energy Star appliances and efficient lighting help make this possible. This is a superb effort.

**Good To Go EConvenience Center:**

Rejecting the bunker style of most convenience store/gas stations in America, this refreshing piece of architecture has it all – style, daylight, stormwater management, service water efficiency, and the potential to be seriously energy efficient. The project offered a number of strong concepts. A green roof design and pervious paving allow the building to manage run-off in a proper way. Site orientation is correct for the glazing system, and the design is committed to the use of all LED lighting systems, making them real pioneers. The design team also noted that the car wash uses only 2 gallons of fresh water per car, recycling used water to minimize consumption. And of course, the extensive daylighting ensures minimal interior lighting by day, in stark contrast to the high levels of electric lighting typical of convenience store design.

**Wisconsin Energy Conservation Corporation:**

The WECC building in Madison was designed with future expansion in mind and the location choice is prime in that it is in proximity to bikepaths and bus transfer points. Other features include: recovery ventilation system, solar panels, energy efficient windows and lighting technologies, locally manufactured building materials, low VOC paints and finishes and innovative plumbing fixtures. The end result is an energy efficient building and a healthy working environment that saves on operating costs.

**ABC National Support Center:**

ABC National Support Center is a classic example of adaptive use of a stately, early 20th century industrial building. Previously adapted to a headquarters office, the project involved converting previously untouched space to offices. Applying a number of modern energy efficiency measures, this building's overall energy efficiency has been increased considerably. Due to an existing orientation that prevents significant daylighting, the team relied instead on insulation, efficient lighting, and other solid efficiency improvements. The re-use of this building is an important part of preserving our past in a sustainable and efficient way.

**Wigwam Mills, Inc.:**

There are some places – like Arizona – where solar hot water heating is a no brainer. But in Wisconsin, the limited number of clear hours and freezing temperatures makes solar engineering much more challenging. Moreover, it takes a particular situation to make a solar water system pay for itself. Wigwam Mills is just that situation. The engineer employed a sophisticated glycol drain-back solar system that is both efficient and offers significant freeze protection. Perhaps unusual in industrial applications, this very smart system is a shining example of how a modest investment can contribute to a significant reduction in the factory's carbon footprint.