

**2010 Energy and RSD Conference
Store and Facility Tour Program
September 21, 2010, 1:30 p.m. – 5:00 p.m.**

Buses will depart *promptly* from the Hilton Minneapolis at 1:30 p.m. and return at approximately 5:00p.m. Please gather at the 11th street entrance on the lobby level (next to the bell stand). Please note that the tours are on a tight schedule and therefore we cannot accommodate latecomers!

Tour 1 – Energy and Refrigeration Focus

Cub Foods Store, Phalen

The Cub Foods store, located in the heart of St. Paul's Phalen neighborhood, is Cub's first LEED construction project and was built on the East side of St. Paul, an area that presents opportunities for redevelopment and revitalization. Currently, the area is underserved, and Cub Foods hopes to set an example for other companies considering development opportunities in East St. Paul.

Cub Foods Phalen is pursuing LEED certification and is striving for Gold. Developed by the U.S. Green Building Council (USGBC), LEED is the nationally accepted benchmark for the design, construction and operation of high performance green buildings. If they achieve Gold status, the Phalen Cub Foods will become the nation's first new grocery store to successfully do so.

The new 62,900 square-foot store has the following LEED features:

- 44 skylights that will illuminate 75 percent of regularly occupied spaces using a solar powered GPS system that tracks and redirects sunlight as needed.
- The first commercial parking lot in Minnesota to be illuminated using only LED lights, which only need to be replaced every 40 years and provide 50 percent energy savings.
- Half of the waste from buildings torn down on the construction site has been reused in the construction of the new building or recycled.
- 35 percent savings in lighting costs compared to typical Cub stores.
- A maintenance-free floor that eliminates the need for chemicals during the cleaning process.
- A landscape irrigation system that uses 50 percent less water than typical systems.
- 75 percent of the building construction waste will not end up in landfills. Instead, it will be recycled and turned into other useful materials.
- Building materials are made up of a minimum of 20% recycled or recyclable material.
- The store will feature men's and women's locker rooms to encourage associates to bike, walk or snow shoe to work.
- Twin Cities Metro Transit is adding a new bus route to the store. Once open, there will be two bus routes that will include the Phalen store on their regular routes.
- The store will offer expanded parking for fuel-efficient vehicles and bicycles.
- Energy modeling of the building systems during the design process allowed the store to be designed with energy savings of more than 18% compared to conventional supermarkets.

Target

As part of their P-Fresh strategy, Target faces unique challenges in retrofitting refrigeration equipment into existing properties. Visit a local Target store where you will see:

- LED Lighting in glass door cases
- Pumped CO₂ low temperature refrigeration system
- Glycol secondary loop medium temperature refrigeration system

Tour 2 Store Design Focus

Lunds 25 University Avenue SE, Minneapolis

This 26,000-square-foot supermarket is located on the ground level of the multi-story Cobalt Condominiums on the corner of Central and University Avenues – the former site of Rick's Market, which was purchased by Lund Food Holdings in 2004, and was opened in October 2006. Among the store's many design features are:

- A café area offering seating for 30, adjacent to expansive windows.
- Free parking for customers in a safe and adjacent two-level parking ramp that includes nearly 130 parking spaces.
- A cart escalator in the store allows for groceries to be easily transported to the upper level of the parking ramp.
- An attached 5,750 S.F. Lunds Prairie Stone drug store with pharmacy

Byerlys 5725 Duluth Street in Golden Valley, MN

The approximately 42,000-square-foot Byerlys store in Golden Valley underwent extensive interior and exterior renovations and additions in 2009 and was opened March 4, 2010. It is the first Byerley's store originally opened in 1968.

Among the many interesting features are:

- A new, innovative food-service area called Byerly's Creations featuring a gamut of both self-serve and chef-driven hot and cold offerings for breakfast lunch and dinner. There is seating for about 70 inside and 20 on the outside patio.
- A completely revamped shopping area featuring improved self-service and service deli, bakery, meat and seafood departments, and a Farmer's Market-inspired produce area.

- Environmentally-friendly and energy-efficient adjustments include:
 - A new energy-efficient refrigeration system that uses a more environmentally-friendly refrigerant.
 - Retrofitted existing lighting to become more energy-efficient (went from a four-light system to a two-light system while maintaining the same level of lighting throughout the store)
 - Installed night shades on all open refrigerated cases (these types of cases can be found in the dairy, produce, deli and meat and seafood departments). These shades are pulled down during the overnight hours to save energy.
 - A new energy management system that automatically sets back lighting during overnight hours and controls heating and cooling at all hours of the day and night.
 - New décor includes carpeting, floor finishes and accent lighting.
 - Extensive renovations to the store's exterior, including a new façade, signage and additional windows.
- Addition of a 20-seat Community Room that is available free of charge for local groups and businesses.

Built in 1968, this premier Byerly's opened as the largest supermarket in Minnesota and received national recognition for innovative features such as an in-store bakery and deli, service meat and seafood department, a 33-seat in-store restaurant, a full-time home economist on staff, in-store development and testing of recipes, parcel pick-up service, extra wide aisles, carpeted floors, and an in-store post office.

Tour 3 – General Interest (Limited to 40 people)

General Mills 8000 Audubon Road, Chanhassen, MN 55317-9376

Tour the refrigeration system, one line of production, and see a strong example of Continuous Improvement in practice at this plant.

Great River Energy 12300 Elm Creek Boulevard, Maple Grove, MN 55369

Great River Energy is a not-for-profit electric cooperative owned by its 28 member cooperatives. It generates and transmits electricity for those members, located in the outer-ring suburbs of the Twin Cities up to the Arrowhead region of Minnesota and down to the farmland region in the southwestern portion of the state.

The Great River Energy headquarters facility is one of the most energy-efficient and sustainable buildings in the state. It promises to practice, as well as promote, energy conservation in Minnesota. The building is a showcase of the latest in energy efficiency and sustainable features and provides an excellent learning opportunity for anyone interested in energy efficiency and conservation. It showcases and demonstrates the latest energy-efficient products and environmentally friendly construction techniques. [Click here](#) for more information.

Platinum LEED Certification

The U.S. Green Building Council awarded the Great River Energy headquarters building Platinum LEED (Leadership in Energy and Environmental Design) certification. The award is the highest designation available to buildings that demonstrate energy efficiency and sustainability. The building is the first in Minnesota to achieve the distinction.

Building features

The building has fluorescent and LED lighting throughout. It also features rooftop solar photovoltaic panels, its own wind turbine, a state-of-the-art geothermal heating and cooling system and multiple atriums to allow the harvest of maximum daylight. It captures rainwater for flushing toilets and irrigation.

Energy savings

The building reduces energy consumption by 40 to 50 percent and reduces water usage by 66 percent, compared to traditional office building campuses. It produces enough renewable energy on site to supply up to 15 percent of the building's own energy needs.