



# Hazelden in St. Paul

## A mix of new and old with built-in efficiency



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**Terri Hayden,**  
Executive Director of Hazelden’s  
St. Paul campus

When the Hazelden Betty Ford Foundation wanted to expand its 110-year old St. Paul campus, they knew they wanted to build energy efficiency and sustainability in from the ground up.

They worked with a team of architects, contractors, engineers and Xcel Energy to determine best practices to build a new property that would complement the old structures, be as kind to the environment as possible and give patients seeking treatment a comfortable respite on their road to recovery.

### Efficiency experts

Terri Hayden, Executive Director of Hazelden’s St. Paul campus says they’ve been using Xcel Energy’s efficiency programs for years.

“We think about ways to save energy and be sustainable in all of our projects,” Hayden explains. “We want to be a part of the communities we serve, and that includes being thoughtful about the environment and thinking about the future.”

It also includes taking advantage of sweeping views of the Mississippi river and creating as much green space as possible.

The project involved renovating parts of an old 1800’s mansion, which had been used for the last 60 years for Hazelden’s chemical dependency treatment programs, and constructing a new building nearby. The two are separated above ground and connected underneath. The expansion enables them to increase services and more than double the number of people they serve on the campus.

They worked with Xcel Energy’s Energy Design Assistance program, which provides computerized energy modeling to identify various efficiency measures available, potential costs, payback terms and rebates.



Project highlights:	
Estimated annual energy savings:	455,279 kWh
Estimated peak energy reduction:	44%
Estimated annual energy cost savings:	\$57,610

The list of energy efficient measures they ultimately implemented in the new 55,000 square-foot expansion is long and includes:

- Comprehensive roof and wall insulation
- Energy efficient air cooled chiller and condensing boiler
- Total heat recovery
- VFDs on heating and cooling pumps
- Chilled beam HVAC system with a dedicated outdoor air system
- Free cooling at low outside air temperatures
- Daylighting controls, dimming controls and motion sensors throughout building
- High efficiency lighting system that is 50% lower than allowed by code
- High efficiency windows with two types of electronic shades: sheer and blackout
- Rain water recovery

Overall, they implemented the four largest energy cost saving strategies recommended, to include the lowest lighting design at 50 percent below code, DOAS heat recovery, improved chiller efficiencies, and condensing gas boilers. They also installed daylighting controls in all the areas that they could and used a large array of lighting controls throughout all spaces.

### **Bigger, beautiful space**

Everyone using the new space loves it.

“When we first moved in, the staff and patients were amazed because they could look out from the auditorium and could see out across the river to downtown St. Paul,” Hayden explains. “It’s wonderful to feel connected to the community that way.”

Several other rooms are favorites including the dining room with well-prepared meals and indoor and outdoor seating options, a meditation room complete with comfortable chairs where people can sit quietly and think while looking out the windows overlooking the river, and a fitness room when they need to expend some energy.

The changes make residents more comfortable and will save Hazelden more than \$57,000 each year in energy costs. By participating in the Energy Design Assistance Program, they received over \$85,000 in rebates which shortened the payback for these measures to one year.

### **Serving more, saving more**

Hayden loves how the old building and the new one complement each other and how the expansion enables them to serve even more people seeking recovery.

“It follows our mission to care for the people and the community,” Hayden says.

And knowing it’s saving them money in energy bills now and for years to come makes everyone feel better.



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