



Radisson RED: Built-in Energy Efficiency Just in Time for the Super Bowl



“Bringing in the EDA program early in the process allowed us to have a much more meaningful impact. We are always looking for energy efficient and sustainable measures and are now incorporating renewables, too.”

Scott Huston,
Regional Director of Engineering

The Radisson RED in downtown Minneapolis began construction knowing the Super Bowl would be coming to town in January of 2018.

The upscale, select service hotel injects new life into hospitality through informal services where anything goes, a social scene that’s waiting to be shared and a bold design that kick-starts the fun.

What it may not be known for is energy efficiency. As part of the overall company policy, owner Radisson Hotel Group incorporates energy efficiency and sustainability into all new construction. When it came time to build the new downtown hotel, Regional Director of Engineering, Scott Huston worked with Xcel Energy to build efficiency in from the ground up.

Choosing energy efficiency

The Energy Design Assistance program from Xcel Energy was the perfect fit for Huston. The program provides computerized energy modeling to identify various efficiency measures available, potential costs, payback terms and rebates.

“Bringing in the EDA program early in the process allowed us to have a much more meaningful impact,” Huston says. “We are always looking for energy efficient and sustainable measures and are now incorporating renewables, too.”

They started by using LED lighting throughout the building, as well as daylighting, occupancy sensors and other lighting controls. Thermostats in all 164 guest suites have automatic setbacks when guests are away. After a certain amount of time, the room temperature will fall back to 66 degrees in the winter and 78 in the summer. When guests arrive back at their rooms, the temperature automatically goes back to where they set it before they left. Lighting motion sensors and high efficiency boilers with heat pumps round out the energy efficiency measures in the guest rooms.



Project highlights

Project completed	New construction of 88,000 square foot, 164-suite hotel in downtown Minneapolis
Xcel Energy rebate	\$46,000
Estimated annual energy savings	31 percent
Estimated annual energy savings	\$35,000

“The guests ask about the temperature setbacks and when we explain the energy saving piece of it, they understand and like the fact that we’re trying to be sustainable,” Huston explains.

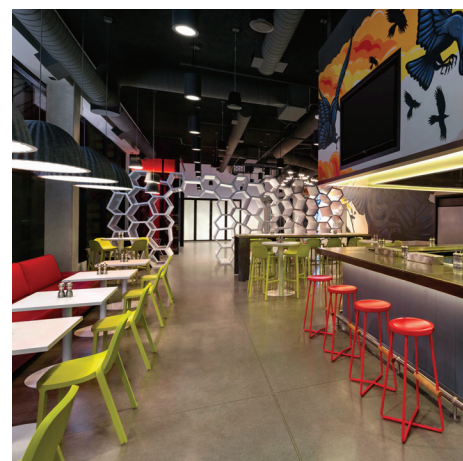
The highest energy saving measures implemented at Radisson RED were:

- The building envelope including the windows, walls and roof
- LED lighting throughout the building
- Lighting controls including daylighting and occupancy sensors
- Water loop heat pump with occupancy sensor control of guest rooms

The measures earned Radisson RED an Xcel Energy rebate of more than \$46,000 and saved them 23 percent in energy costs. The high efficiency equipment will continue to save them energy for years to come.

Next Steps

Huston meets with his Xcel Energy representative on a regular basis and says he’ll continue to look for other improvements to be made over time.



If you’re planning a new construction, addition or major renovation project, visit [xcelenergy.com/BusinessNewConstruction](https://www.xcelenergy.com/BusinessNewConstruction) or call the Business Solutions Center at **855.839.8862**.