

# 2015 BUILDING ENERGY PERFORMANCE AWARD WINNERS

## Highest ENERGY STAR Score

Arts / Community /  
Education



DeLaSalle High School has greatly increased energy efficiency through CFL and LED lighting upgrades, a new Burnham steel boiler, VFDs on some pumps and air handling fans, occupancy sensors, skylights, and a building automation system. Kitchen renovations including procurement changes, washable dishware, and a new dishwasher have further reduced waste and energy use. The entire campus also features an extensive, student-led recycling and composting program. The school recently worked with HydraMetrics to conduct a feasibility study of a water efficiency upgrade and is currently evaluating opportunities to decrease the campus' water use. DeLaSalle seeks to create an environment in which the young people of our urban area are empowered and enabled to create for themselves and others a functional, literate, safe community and world.

Business



33 South Sixth, a LEED Gold certified building, showcases an automatic lighting control system, occupancy sensors in the emergency exit stairwell, VFDs to control all HVAC equipment, and additional dampers on main air handlers to improve HVAC control and supply. The operations team also replaced two outdated chillers, two outdated cooling towers, and inefficient light bulbs with LED lighting. Energy consumption trending programs and Energy Star tracking/certification have been in place for many years. Knowledgeable staff who prioritize sustainability have been critical in advancing these efforts. Additional improvements will occur as part of Shorenstein's public commitment to reducing energy use 20% by 2020.

Hospitality /  
Recreation



The Double Tree Hotel has invested in building retrofits that reduce energy use including LED lighting, double pane windows, and VFDs to control the cooling town, main air systems, and kitchen hoods. Hotel and guest rooms feature low-flush toilets and low-flow bathroom fixtures to reduce water consumption and costs. Staff track energy consumption using the Hilton Light Stay program, in addition to measuring conservation use, food, and waste. Monthly conservation trainings equip Double Tree associates to conserve energy in their department, driving home the adage "If it's not needed, shut it off". Future plans include replacing the revolving door entrance with an Eco door, which is projected to reduce the airflow into the hotel by 40%.

## Lowest Energy Use Intensity (kbtu/sqft/yr)

Arts / Community /  
Education



Minnehaha Academy's recently installed building automation system (BAS) has drastically reduced energy use by allowing staff to regulate temperatures year-round. Additional energy savings measures include transitioning to LED lighting and replacing faucets and valves based on data collected through a plumbing audit. Minnehaha Academy will continue to increase energy efficiency where possible.

Business



Broadway Place's recent building improvements include an Energy Management System upgrade, replacing boilers with an energy efficient condensing unit, Belimo valves on heat pumps, and LED lighting. Modern weather station controls on the underground sprinkler system, low flow aerators on all bathroom faucets and toilets as they are replaced, and low flow units contribute to water conservation. By cleaning one floor at a time, instead of all floors at once, cleaning staff have generated significant energy savings. Smart and dedicated property management and maintenance staff and engaged tenants have made this work possible, along with financial support from Xcel Energy's rebate programs. Upgrades to the cooling towers and a new roof with heavy duty insulation are will further reduce energy usage as part of an internal goal of lowering energy usage by another 15% over the next several years.

Hospitality /  
Recreation



The Residence Inn – City Center is devoted to saving water and energy wherever possible by using LED technology for lighting replacements, water saving devices such as flow restrictors and low flow aerators in all the guest rooms, and by watching for and attending to leaks in the building overall. As next steps, staff hopes to implement a Greener hotel operating system in the near future that aligns itself with Marriotts' methods and practice.