

NEW CONSTRUCTION DESIGN ASSISTANCE PROGRAM: SUPPORT FROM THE BEGINNING

The New Construction Design Assistance Program offers solutions to deliver long-term energy and cost savings for your new construction project or major renovation. Your local utility provides technical assistance and financial incentives to help developers and design teams exceed standard energy code requirements.

The best time to identify high-performance building design strategies and technologies is at the beginning of the design process. Build energy efficiency into your plans for new construction and achieve long-term energy cost savings.

PAST PROJECT SNAPSHOTS

SHARRATT WAREHOUSING & DISTRIBUTION

Sharratt Warehousing & Distribution collaborated with Reedsburg Utility Commission and Focus on Energy to participate in the New Construction Design Assistance Program for energy efficiency design of their new warehouse.

The 100,000 square-foot rail served Reedsburg facility, completed in 2018, includes freezer, cooler and dry storage environments for dairy, fruit and vegetable products. The new facility embraces the latest refrigeration technology and building design, housing a sophisticated computer-controlled ammonia refrigeration system that draws on a variety of energy management concepts to control electrical consumption.

Energy is a large input cost for cold storage facilities. By investing in the latest and most efficient refrigeration technology, ongoing costs are reduced. Participation in the New Construction Design Assistance Program allowed Sharratt Warehousing & Distribution to overcome higher upfront costs with efficiency incentives to complete the project.

The project resulted in reduced energy use and lower costs for Sharatt Warehousing and their customers.

BUILDING TYPE	3PL Refrigerated Warehouse
LOCATION	Reedsburg, WI
ENERGY PARTNERS	Focus on Energy, Slipstream, Reedsburg Utility Commission, WPPI Energy
DEMAND REDUCTION	616 kW
ENERGY SAVINGS	2,052,400 kWh savings
ESTIMATED ANNUAL SAVINGS	\$189,790
INCENTIVE RECEIVED	\$35,933 through Reedsburg Utility Commission



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MEADOW VIEW ELEMENTARY

The Sun Prairie School District took advantage of the New Construction Design Assistance Program through their local utility, Sun Prairie Utilities, to build two new elementary schools in the community — Token Springs Elementary and Meadow View Elementary.

Through the New Construction Design Assistance Program, the Sun Prairie School District evaluated different applications to create high-performing school buildings that result in lower energy use, reduced operations and maintenance costs and improved environmental quality.

Meadow View Elementary, which opened in September 2018, included several energy conservation measures to meet design goals and financial payback requirements. This included upgrading the HVAC system to a ground source heat pump with dedicated outdoor air system. The insulation levels increased and lighting power density (watts/square foot) decreased. Lighting controls and variable frequency drives (VFD) rounded out the upgrades to complete a school that is both high-performing and energy efficient.

BUILDING TYPE	Elementary school
LOCATION	Sun Prairie, WI
ENERGY PARTNERS	Focus on Energy, Slipstream, Sun Prairie Utilities, WPPI Energy
DEMAND REDUCTION	210 kW
ENERGY SAVINGS	1,831,600 kWh
ESTIMATED ANNUAL SAVINGS	\$189,024
INCENTIVE RECEIVED	\$26,250 through Sun Prairie Utilities



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HILTON GARDEN INN

Located in the Prairie Lakes Shopping Center, the Hilton Garden Inn includes 124 rooms with 9,500 square feet of meeting space, an indoor pool, fitness center and a 7,500 square foot restaurant. The hotel, owned by an Iowa-based hotel and development company, participated in the New Construction Design Assistance Program sponsored by the hotel's energy provider and local utility, Sun Prairie Utilities. Efficiency upgrades included reduced lighting power density, heating and cooling upgrades, along with raising insulation levels and improved windows.

BUILDING TYPE	Hotel/Lodging
LOCATION	Sun Prairie, WI
ENERGY PARTNERS	Focus on Energy, Slipstream, Sun Prairie Utilities, WPPI Energy
DEMAND REDUCTION	106 kW
ENERGY SAVINGS	796,300 kWh
ESTIMATED ANNUAL SAVINGS	\$85,520
INCENTIVE RECEIVED	Incentive received \$13,250 through Sun Prairie Utilities



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