COMMERCIAL NEW CONSTRUCTION PROGRAM

it pays to make energy efficiency part of the plan

Retail Facilities

The retail sector spends about $20 billion per year on energy, but could save an estimated $3 billion annually by improving efficiencies

Potential Energy Cost Savings

High	$152K
Low	$1k
Average	**$24K**

Based on 111 verified buildings

DID YOU KNOW...

Participating retail projects average 23% in annual energy cost savings

Approximately $4 million in incentives have been earned for retail projects

111 projects totaling more than 5 million square feet have participated in the program

Over $2.5 million in annual energy cost savings have been realized by participants, equivalent to powering more than 1.8 million square feet of U.S. retail space for a year

SEE HOW YOU CAN SAVE

- Apply for the CNC program: iowacnc.com
- Contact the program implementer: 877 939 1874 or cnc@willdan.com

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Retail Case Study

"We were able to look at different HVAC equipment efficiencies and make informative decisions. The analysis through the program supported improved HVAC system efficiencies and advanced lighting controls that ultimately benefit multiple parties."

– Joseph D. Bannwarth
Mechanical Engineer,
FARRIS ENGINEERING

BOMGAARS FARM AND RANCH SUPPLY STORE

The Bomgaars farm and ranch supply store in Grimes was planned with the intent of installing simple, yet highly-efficient building systems. To assist in comparing and evaluating these systems and energy efficiency strategies, the owner and their design team of Webb & Company Architects, Farris Engineering, and Nielsen Mayne Architecture engaged in the Commercial New Construction program. Comparing different HVAC systems, lighting concepts, insulation values, and roughly 50+ other energy conservation measures, the owner was able to make decisions based on initial investment, ongoing savings, and system complexity, among other criteria.

The team found substantial energy cost savings using readily available, high-efficiency products. The implemented design included efficient air source heat pumps with demand control ventilation, improved envelope and glazing characteristics, and efficient direct system lighting design with occupancy-sensing lighting controls. Compared with minimum requirements of the State Energy Code, annual energy costs were reduced by 40% and the additional investment in improved performance was reduced by 55% through the onetime incentive from MidAmerican Energy.

LEARN MORE

- Watch the Commercial New Construction Program video: midamericanenergy.com/cnc
- Contact the program implementer: 877 939 1874 or cnc@willdan.com

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