

CASE STUDY

# Retro-Cx at Milwaukee Area Technical College (MATC)



## SCOPE

Edison Energy was contracted by Milwaukee Area Technical College (MATC) to provide retro-commissioning (RCx) services on their Oak Creek, Downtown and Mequon campuses in Milwaukee, WI, executed through the Focus on Energy incentive program. In addition to identifying low and no cost improvements typical to an RCx effort, our team investigated certain capital improvement opportunities at the Campuses.

As part of our engagement with MATC, we performed detailed investigation of MATC's energy consuming systems and recommended energy conservation opportunities. We also assisted the client during implementation by providing engineering support. We are currently providing final verification to the projects that are implemented.

## PROJECT RESULTS & KEY METRICS:

Total Buildings:	7
Annual Energy Savings:	\$143,717
Annual kWh Savings*:	1.8M
Electrical Energy Savings Details:	<ul style="list-style-type: none"><li>› Downtown Campus – Building M – Identified low cost savings to reduce electric consumption by 8.2%</li><li>› Downtown Campus – Building S – Identified low cost savings to reduce electric consumption by 9.8%</li><li>› Oak Creek Campus – Identified and implemented low cost savings to reduce electric consumption by 3.5% and natural gas consumption by 28.6%</li></ul>
Average Payback:	< 1 year

\*Not including Mequon and remainder of Downtown campus as projects are still underway.

## CLIENT

Milwaukee Area Technical College (MATC)

## MARKET

Higher Education

## OFFERINGS

Retro-Commissioning





## Milwaukee Area Technical College

### WINNER

of the 2019 Energy Efficiency  
Excellence Award from Focus on  
Energy and its partner utility, We  
Energies

## CUSTOMER VALUE

Through the RCx process of systematically reviewing and testing the building's control programming to make sure it is operating properly and configured for optimal operation, MATC was able to achieve significant energy and demand savings while ensuring that the major building systems are operating efficiently.

In addition to RCx services, Edison Energy has provided a range of services to MATC, including: commissioning (Cx), sustainability studies, facilities operations problem solving, and humidity studies. All of these services have resulted in substantial energy reduction and operational improvement to the campus.

As a Focus on Energy Trade Ally, Edison Energy worked with Focus on Energy in order to provide funding and incentives to the project in order to provide even further savings opportunities to MATC.

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Edison Energy, an independent advisory and services company, recognizes energy is the largest unaddressed risk faced by most companies, and can exceed foreign currency, interest rate and other operational risks. Providing advanced analytic capabilities, we create competitive advantage for global market leaders by quantifying this risk and designing the portfolio solution to protect shareholder value threatened by complex energy policies, technological advancements and new products.

## ABOUT FOCUS ON ENERGY

Focus on Energy, Wisconsin utilities' statewide program for energy efficiency and renewable energy, helps eligible residents and businesses save energy and money while protecting the environment. Focus on Energy information, resources and financial incentives help to implement energy efficiency and renewable energy projects that otherwise would not be completed.