

Retro-Commissioning: Bringing Energy Savings to Your Business



Optimize Your Building's Performance

Building out of sync? The costs can add up.

The challenges are common: changing occupant needs, space repurposing, renovations and aging systems. As a result, managing your building's energy use can be complex. Retro-commissioning helps overcome building changes so you can enjoy comfortable and productive work environments, decreased energy and maintenance spending, and increased ability to maintain existing occupants while also attracting new ones.

Why do a retro-commissioning tune-up?

Your facility can benefit from lower energy usage and operating costs, reduced maintenance, and improved comfort and productivity—without making large capital investments. Participating in retro-commissioning does not mean upgrading or replacing equipment, but rather tuning-up your existing equipment for more efficient performance.

What can DTE Energy do to help?

Receive a fully funded (FREE) study of your facility from our Retro-Commissioning Program. One of our expert engineering Service Providers conducts a detailed energy assessment to investigate and identify low-cost energy-saving operational improvements through a systematic evaluation of mechanical and electrical systems.

Improvement examples include:

- Optimizing chiller and boiler operations to better match building load conditions
- Reducing ventilation in over-ventilated areas
- Fixing ventilation dampers that are open when they should be closed, or vice versa
- System rebalancing and decreasing supply air pressure set-point
- Reducing supply air temperature and fan speed in air handling units
- Aligning zone temperature set-points to match the building's occupancy patterns
- Operating equipment only when building is occupied or when equipment is needed

With the entire study being fully funded by DTE Energy, your commitment will be to pay the cost of implementing improvements that pay for themselves in eighteen months or less. To ensure confidence in the associated payback time and energy savings, the analysis is performed by an expert engineering Service Provider.

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Benefits-quick look

- Reduction in maintenance and operating costs
- Increased property value
- More comfortable indoor environment
- Improved occupant productivity
- Assurance that operations meet owner requirements
- Extended equipment service life
- Improved integration of building systems



How does the retro-commissioning process work?

Assessment: Once your application has been accepted, a Service Provider will perform a detailed assessment and analysis of your building and summarize the results in a report. The report provides you with a list of low-cost energy-efficiency improvements to consider for implementation, along with their estimated payback periods.

Implementation: Next you implement the energy-saving improvements you selected from the report. Upon completion of the improvements, the Service Provider will confirm the energy savings and present you with a final report verifying the completion of the improvements and estimated energy savings.

What is the retro-commissioning program incentive?

This is a “service-incentive” program. This means the retro-commissioning service is the incentive and is fully funded by DTE’s Energy Efficiency Program for Business.

- Receive a comprehensive assessment of your building systems with an investigative retro-commissioning study fully funded by DTE –**valued at up to \$80,000.**

Who is eligible?

Commercial and industrial DTE customers striving to save energy, reduce operating costs and improve building performance can maximize their efforts with assistance from DTE. Our application provides a full listing of requirements; minimum requirements for your facility to be eligible for these services include:

- Your facility is 75,000 square feet or larger
- You are a DTE Electric customer with a peak demand of 300 kW or greater
- Agree to a ‘minimum spend commitment’ of \$5,000 to implement the energy efficiency improvements identified in the study with a combined estimated simple payback of eighteen months or less, if the assessment fee is less than or equal to \$20,000
- Agree to a ‘minimum spend commitment’ of \$15,000 to implement the energy efficiency improvements identified in the study with a combined estimated simple payback of eighteen months or less, if the assessment fee is greater than \$20,000
- Agree to a ‘minimum spend commitment’ of \$25,000 to implement the energy efficiency improvements identified in the study with a combined estimated simple payback period of eighteen months or less, if the assessment fee is greater than \$40,000

Get started today!

To apply or for more information on the program, visit dteenergyrcx.com. We can help you apply, check your eligibility, answer questions and help make DTE’s Energy Efficiency Program for Business work for you.