

# Retro-Commissioning: Bringing Energy Savings to Your Business



**Optimize your  
building's  
performance**

## Is your building out of sync? The costs can add up.

Changing occupant needs, re-purposed space, renovations, and aging systems can put your building out of sync. The DTE Energy Retro-Commissioning (RCx) Program is designed to help you overcome these challenges by lowering energy usage and operating costs, reducing maintenance, and improving occupant comfort and productivity. Retro-commissioning is focused on tuning-up your existing equipment for more efficient performance rather than upgrading or replacing your equipment and requiring a large capital investment.

## DTE Energy is here to help.

Receive a fully-funded, complimentary study of your facility from the DTE Retro-Commissioning Program. The RCx team will conduct a detailed energy assessment to identify low-cost energy-saving operational and process improvements through a systematic evaluation of mechanical and electrical systems.

### Building system optimization:

- Optimize scheduling to ensure equipment and lighting is operating only when needed
- Fix ventilation dampers that are not operating properly
- Adjust supply air temperature and fan speed
- Adjust ventilation in over-ventilated areas
- Adjust supply air pressure setpoint
- Align zone temperature setpoints to match building occupancy patterns
- Optimize chiller and boiler operations to match building load conditions

### Process optimization:

- Improve compressed air operations
- Optimize steam systems
- Optimize process cooling
- Optimize process heating
- Enhance industrial refrigeration performance

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## Program benefits

- Energy savings
- Reduce maintenance and operating costs
- More comfortable indoor environment
- Align operations with owner's facility requirements
- Improve integration of building systems
- Improve occupant productivity
- Extend equipment service life

### How does the retro-commissioning process work?

**Application:** The RCx team will work with you to pre-qualify your project and identify potential savings opportunities. We will then help you fill out and submit your application.

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

**Implementation:** Based on the assessment, estimated savings, and incentives available, the RCx team will help you to implement the energy-saving improvements. Upon completion of the improvements, we will confirm the energy savings and present you with a final report verifying the completion of retro-commissioning measures and estimated energy savings.

### What is the Retro-Commissioning Program incentive?

You receive a free, comprehensive assessment of your building systems with an investigative retro-commissioning study fully-funded by DTE's Energy Efficiency Program for Business—**valued at up to \$80,000**. This is a “service-incentive” program which means the retro-commissioning study is part of the incentive. Additionally, you can receive up to **\$50,000** in bonus incentives for exceeding minimum savings targets.

### Who is eligible?

Commercial and industrial DTE customers striving to save energy, reduce operating costs, and improve building performance are eligible. Selection criteria include:

- Controls system with the capability to schedule units on/off, make adjustments, and if possible, adjust operational parameters from an operator interface
- Annual electric energy consumption of 5,000,000 kWh or greater
- Agree to a minimum commitment of \$10,000 to implement the energy efficiency improvements identified in the study with a combined estimated simple payback of 18 months or less

### Get started today!

To apply or to get more information on the program, visit [rcx.dteenergy.com](http://rcx.dteenergy.com), call **248.430.5579**, or send an email to [DTERCx@esciences.us](mailto:DTERCx@esciences.us). We can check your eligibility, answer questions, and help make DTE's Energy Efficiency Program for Business work for you.