

RETRO-COMMISSIONING (RCx) FOR HOSPITALS

What is Retro-Commissioning?

Retro-commissioning (RCx) is a systematic process for analyzing and optimizing an existing facility's equipment, lighting, controls and process systems for improved performance and increased energy efficiency.

Whereas retrofitting involves replacing outdated equipment, RCx focuses on improving the efficiency of what is already in place. Retro-commissioning projects often produce savings of 5% or more of total facility energy costs. These upgrades typically pay for themselves in energy savings alone with an average simple payback of less than two years.

Who is Eligible?

This RCx for Hospitals Initiative is intended for hospital customers who:

- Receive gas or electric service from a Massachusetts Energy Efficiency Program Administrator (PA)
- Own or operate a facility with at least 100,000 square feet of conditioned space, consumes at least 2,000,000 kWh or 150,000 therms per year, is equipped with a DDC Energy Management System, and has energy intensive operations with long run hours,
- Have access to sufficient funding to implement agreed upon RCx measures within 12 months
- Have an internal "champion" who can ensure timely decision making and access to needed systems and data

What Financial Incentives are Available?

The PAs will also provide no-cost engineering resources to perform scoping studies to identify and analyze potential energy savings from RCx measures – funding for this additional engineering analysis is capped at \$5,000 per site.

In addition, incentives are paid directly to the customer based on achieved annual energy savings at the rate of \$0.12 per kWh and \$1.20 per therm.

What Restrictions Apply?

- Scoping studies must be completed between January 1, 2015 and June 30, 2015
- Scoping studies must be performed by a PA selected and pre-approved Technical Assessment (TA) vendor
- Customers may only receive scoping studies for 2 sites until/unless implementation begins

How Does the Process Work?

- Kick-off consists of a one day walk-through with the facility operator, customer's controls vendor, and PA selected TA vendor
- TA Vendor completes the scoping study and produces a scoping report with a list of potential energy conservation measures (ECMs) and order of magnitude impacts for electric savings, gas savings, analysis costs, non-energy benefits, and implementation costs
 - Note: Priority for scoping studies will be sites known to be, or suspected of being, the most energy intensive (high EUI, years without improvements, on-going issues, etc.)
- Scoping Report submitted to electric and gas PA within one month of kick-off
 - Note: PAs may commit additional co-funding for engineering analysis with total amount based on potential savings and costs and will be determined within two (2) weeks of receiving scoping report



RCx offers participants:

- A more comfortable and productive facility
- Longer equipment service life
- Lower energy usage and bills
- A thorough building assessment by qualified engineering professionals
- Improved integration of building systems
- Support options throughout the RCx process



How to Apply for Incentives?

- Once implementation of ECMs is complete, documented and submitted on the 2015 Pay-For-Performance (P4P) application, incentives will be paid at the rates described above.
 - The Application form can be found on the Mass Save website at:
 - <http://www.masssave.com/business/business-forms-documents>
 - Detailed analysis and implementation documentation is required

For more information, contact your Program Administrator.

