

Recommissioning/Retro-Commissioning Program

Black Hills Energy – Colorado Electric Recommissioning/Retro-Commissioning Program Brochure

HOW TO GET LOWER ENERGY BILLS

Recommissioning

Recommissioning takes another look at a building that was previously commissioned to ensure it is once again running at optimal performance.

Retro-Commissioning

Retro-commissioning is when a building undergoes a systematic evaluation to improve and optimize an existing building's operations and maintenance. It is the process of commissioning an existing facility that has never been commissioned before. This allows the owner to correct problems that have existed since the building opened, and also enables the owner to have all the systems upgraded to meet the design intent criteria.

Black Hills Energy's program covers both recommissioning and retro-commissioning.



How to Participate

Step One – Conducting a Recommissioning or Retro-commissioning study

Over time, a building can fall out of optimization, or building and staff changes can alter the way your building runs. A recommissioning or retro-commissioning service provider of your choice will analyze your building and diagnose where you could make improvements to your building's existing systems, assess your potential energy savings and prepare a study. Most improvements found in a recommissioning or retro-commissioning study can be made with little or no cost to you. The report will help you:

- Develop an objective business case for efficiency project approval
- Detail how best to run your building's current mechanical systems at peak efficiency
- Identify energy savings, costs estimates and corresponding rebate amounts for individual energy conservation opportunities available

Step Two – Implement Recommendations

Once improvement measures are identified, the next step is to implement some or all of the recommendations, whichever makes sense for your company. Most recommissioning or retro-commissioning measures are at low or no cost to you – and focus on equipment tune-ups rather than upgrades. Studies show typical energy savings of up to 20 percent, with a simple payback of less than one year.

Typical recommissioning or retro-commissioning improvements include:

- Optimizing your HVAC equipment
- Updating lighting controls
- Identifying, updating or optimizing system controls
- Adjusting equipment to reduce long-term wear and tear
- Restoring economizer operation

Pre-approval is required before you begin your study in order to qualify for a study rebate.

Improving life with energy



Black Hills Energy Delivers a Variety of Rebate Options

If you are looking to optimize the performance of your existing building systems, we offer a variety of Recommissioning or Retro-commissioning programs designed to meet your energy conservation goals.

1) Recommissioning or Retro-commissioning Study: Energy experts will conduct a comprehensive review of your building's energy consumption – even if your building was previously commissioned. Recommissioning or Retro-commissioning studies will identify opportunities to effectively reduce your energy use up to 20 percent. You can earn study rebates with this option.

2) Refrigeration Recommissioning or Retro-commissioning Studies: Supermarkets are the most electricity intensive type of commercial building – and refrigeration accounts for half of an average store's electricity use. Refrigeration recommissioning or retro-commissioning studies identify opportunities to tune up existing refrigeration systems rather than replace them, ensuring more reliable operation, which helps to avoid costly repairs and reduce downtime. You can earn study rebates with this option.

BLACK HILLS ENERGY REBATES HELP OFFSET RECOMMISSIONING OR RETRO-COMMISSIONING COSTS

Study Rebates:

Black Hills Energy helps pay for up front recommissioning or retro-commissioning study costs – up to 50 percent of the study cost (not to exceed \$4,800).

Implementation Rebates:

Black Hills Energy also offers prescriptive and custom rebates on various new measures that you may implement from the energy-efficient recommendations in your study.

FIND OUT IF RECOMMISSIONING OR RETRO-COMMISSIONING IS RIGHT FOR YOU

Contact your Black Hills Energy account representative, or contact us at **719-546-6478**. You also may visit www.BHEHowto.com for a full overview of product offerings, case studies and applications to get started today.

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BENEFITS OF RECOMMISSIONING/ RETRO-COMMISSIONING

- Savings from \$0.20 per square foot per year to \$1.00 per square foot per year
- Solves existing operational and comfort problems
- Reduces maintenance and repair costs
- Improves indoor air quality
- Increases productivity
- Provides advanced training to your technician(s) and the opportunity for your staff to increase its knowledge of efficient building systems operations by working with expert engineers
- Longer equipment life
- A more comfortable and productive environment for employees and tenants