

Comprehensive Systems

Major equipment and related systems in your facilities are indispensable to your business. When equipment reaches the end of its useful life, you could simply install the lowest cost replacement model. But, through the Comprehensive Systems track of BGE's Energy Solutions for Business Program, you can receive valuable financial incentives when you invest in high-efficiency equipment and associated systems. Choosing energy-efficient models helps you reduce operating costs over the life of the new equipment.

BGE can work with you to look more broadly at how the systems in your facility interact and help you more effectively upgrade your equipment and lower your energy costs.

Key Features

During the planning phase for an end-of-life equipment replacement, BGE will work with you to rightsize your new system by identifying economical, energy-saving opportunities in your building. The measures you decide to install will depend on your goals. Comprehensive Systems projects can provide improved building operations, long-term energy savings and reduced energy costs.

The Comprehensive Systems track is most appropriate for existing buildings larger than 75,000 square feet with 150 tons or more of cooling. Typically, Comprehensive Systems projects involve chiller replacements.

To participate in the Comprehensive Systems track, the project must include:

- Replacement of existing equipment
- Installation of new equipment
- A minimum 150-ton chiller
- A minimum of three measures that provide substantial energy savings and reduce the demand side of the chiller load

A chiller upgrade must be accompanied by the appropriate lighting upgrades in the space conditioned by the chiller.

The BGE Energy Solutions for Business Program has the right solutions for every project. The program delivers energy efficiency options in these key ways:

Prescriptive Measures—when a broad range of predetermined measures meet your needs

Custom Projects—when your unique project requires site-specific engineering and cost analysis

- **Comprehensive Systems**—when your chiller reaches the end of its useful life, maximize electrical energy efficiency by accounting for the interactive effects between equipment and systems

Comprehensive New Construction—when incorporating energy efficiency systems into the design of your new construction projects

- **Comprehensive Design**—when designing a new facility, maximize energy savings potential by examining the building as an integrated system
- **Green Building Approach**—when designing additional energy efficiency into your green building to pursue LEED certification

Technical Services—when engineering services are needed to identify and analyze complex custom measures

Comprehensive Systems Track Offers Big Benefits

- Enhanced financial incentives
- Reduced energy costs
- Improved building performance
- Reduced long-term maintenance costs
- Improved return on investment

Financial Incentives

BGE's Comprehensive Systems track offers financial incentives for properly sizing replacement equipment and implementing comprehensive, system-wide energy efficiency measures in your existing facility. Incentives can cover **up to 90%** of the incremental cost of installing new energy efficiency measures or **up to 75%** of the total cost for retrofitting existing equipment such as lighting.

Technical Services

Comprehensive Systems projects require a building performance modeling study to help you identify and analyze potential energy efficiency projects. To participate, you must have a comprehensive study performed by a BGE-approved Technical Services Provider. BGE will match you with a provider when you apply for technical services. Funding for 50% of this study may be available through the Technical Services Program, at BGE's discretion.

Eligibility

The Comprehensive Systems track is available to all nonresidential customers in the BGE service territory (rate classes GL, P and T) for properly sizing replacement equipment and implementing comprehensive, system-wide energy efficiency measures in an existing facility. All energy efficiency measures must individually pass BGE's cost-effectiveness analysis, and the project must include a plurality (two of three, three of four, five of seven, etc.) of the identified measures. Combined, the measures must achieve at least 80% of the identified energy savings to qualify for incentives.

Contact Us

Learn more about our Comprehensive Systems track and all the energy- and money-saving options available through the BGE Smart Energy Savers Program®.

Visit BGESmartEnergy.com.

Email business@BGESmartEnergy.com.

Call **410.290.1202**.

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