

BGE Smart Energy Savers ProgramSM

for Business

**Harford County Office of Economic Development
Green Business Networking Session**

These programs support the EmPOWER Maryland Energy Efficiency Act.

BGESmartEnergy.com

BGE
We're on it.™

EmPOWER Maryland Energy Efficiency Act Overview

- EmPOWER Maryland Energy Efficiency Act of 2008 is a statewide initiative to reduce overall per capita energy consumption and demand by 15% by 2015
- Utilities required to develop energy efficiency and demand response programs for all customer segments including large commercial and industrial

Programs for Business Customers

Three core programs

1. Energy Solutions for Business
2. Small Business Lighting Solutions
3. Retrocommissioning (RCx)

Energy Solutions for Business Program Overview

Projects include:

- Energy efficient retrofits
- New construction
- Major renovations
- End of life equipment replacements



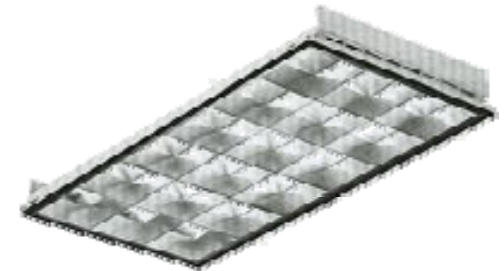
Energy Solutions for Business Program Element – Prescriptive

- Equipment is prequalified
- Pre determined “measure” incentives
- Pre determined eligibility criteria
- No detailed engineering analysis required

Energy Solutions for Business Program Element – Prescriptive Lighting & Controls

■ Prescriptive Lighting

- Incentives paid on a per fixture / control basis
- Incentives range from \$25-\$90 per fixture; \$25-\$100 per control
- May be used for limited new construction projects



■ New Construction Performance Lighting

- Incentives paid based on code watts/square foot (LPD) requirements for schools
- Incentives based on reducing the LPD by a minimum of 10%
- Incentives range from \$0.40 to \$0.80 per watt reduced



Energy Solutions for Business Program Element – Prescriptive

- Motors
 - 1-200 hp NEMA Premium motors
 - Incentives available for “stocked” motors
- HVAC / Chillers
 - Packaged, Split systems, PTACs, PTHPS
 - Air and water cooled chillers up to 1,000 tons – single chiller installations
 - New and end of life replacements
- Variable Frequency Drives
 - 5-100 hp HVAC applications
 - Existing HVAC fan and pumping applications



Energy Solutions for Business Program Element – Prescriptive

- Refrigeration Equipment
 - Measures typically found in cafeteria kitchens
 - Vendor machine controls
- Kitchen Equipment
 - Electric food preparation equipment such as fryers, griddles and holding cabinets
 - Ice machines, reach in refrigerators and freezers
 - ENERGY STAR rated equipment



Energy Solutions for Business Program Element – Custom

- Site specific measures
- Incentives up to 50% of retrofit costs; or up to 75% of incremental costs on new construction projects
- Detailed engineering and cost analysis required
- Examples include chiller plants (multiple chillers), energy management systems, envelope improvements, etc.



Retrocommissioning Program (RCx)

- Perfect opportunity to save an additional 5-15% in existing facilities without significant capital investment!
- Incentives available to cover up to 75% of the cost of the RCx assessment and study, with a per project cap of \$15,000
- **Enhanced O&M Services** generally for facilities <75,000 sq ft and industrial processes
- **Full RCx Services** generally for facilities >75,000 sq ft,

“Quick and Easy” Areas of Opportunity

- T12 to T8 lighting retrofits; lighting controls
 - Electromagnetic ballasts already off market; T12 lamps to be phased out in 2012
 - Incentives exist now, but may be eliminated once lamps are off market
 - Use incentives now for what you'll be forced to do later!

- VFDs on HVAC fans and pumps
 - Incentives available up to \$7,000 for this simple upgrade

- Vending misers
 - Vending machines operate 24/7, but when are your buildings actually occupied?
 - Easy, “plug and play” installation
 - \$75 incentive per refrigerated control device

Questions?



For additional information
Visit us on line at www.BGESmartEnergy.com

Call us at 410-290-1202
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