Financial Mechanisms for Implementing GHG Reduction Projects



Clay Nesler VP, Global Energy & Sustainability Johnson Controls, Inc. Milwaukee, WI USA clay.g.nesler@jci.com

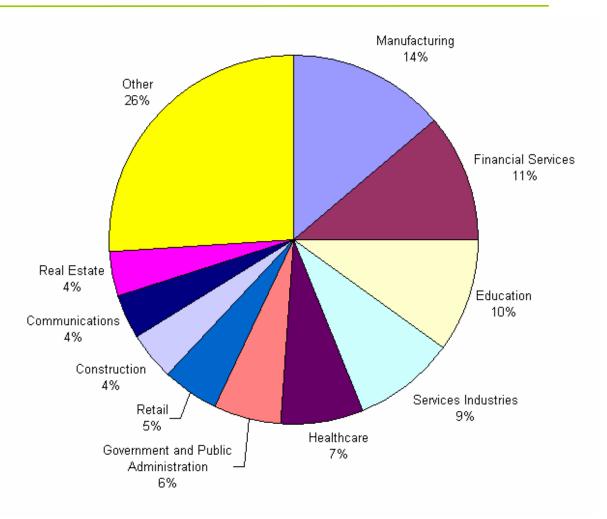


Outline

- Energy Efficiency Investment Survey
- Performance Contracting as a financial vehicle
- Lessons for GHG reduction projects

Investments in Energy Efficiency

- On-line survey conducted March 2007
- 1249 North American executives and managers responsible for energy management decisions





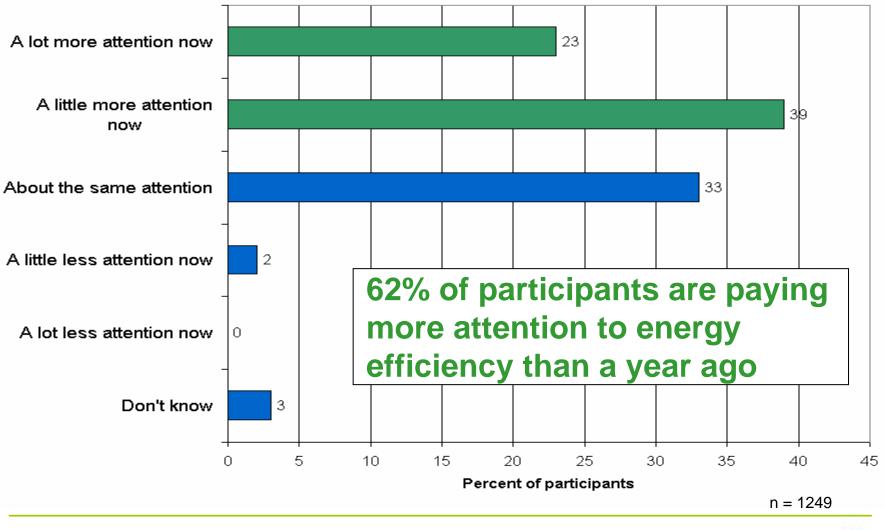
Major Findings

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- 79% believe energy prices will rise significantly next year (average increase expected is 13.3%)
- 57% expect to make energy efficiency investments over the next year (8% of capital budget will be used)
- 80% will also fund energy efficiency improvements through operating budgets (6% of budget will be used)

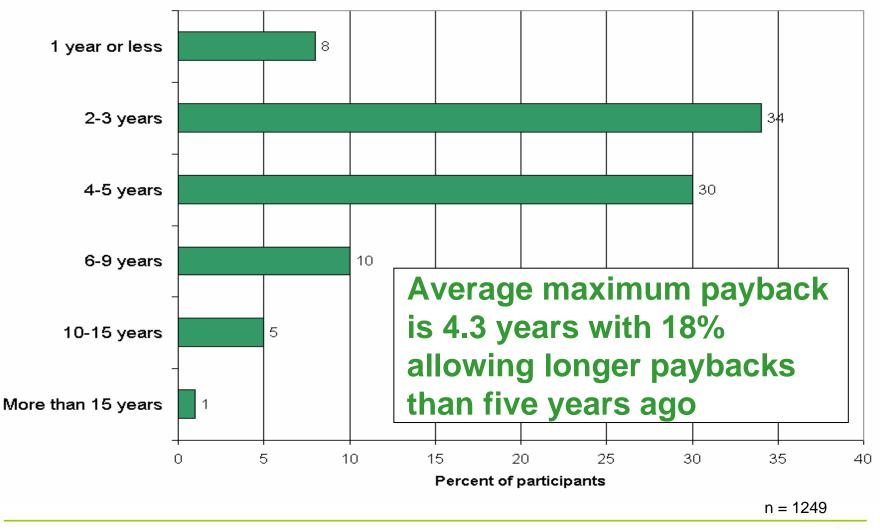


Attention being paid to Energy Efficiency



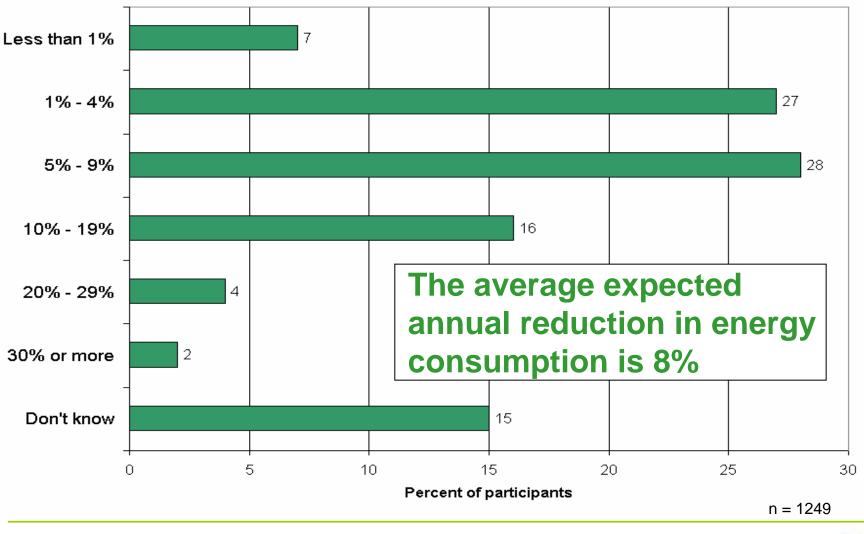


Tolerance for Return on Investment





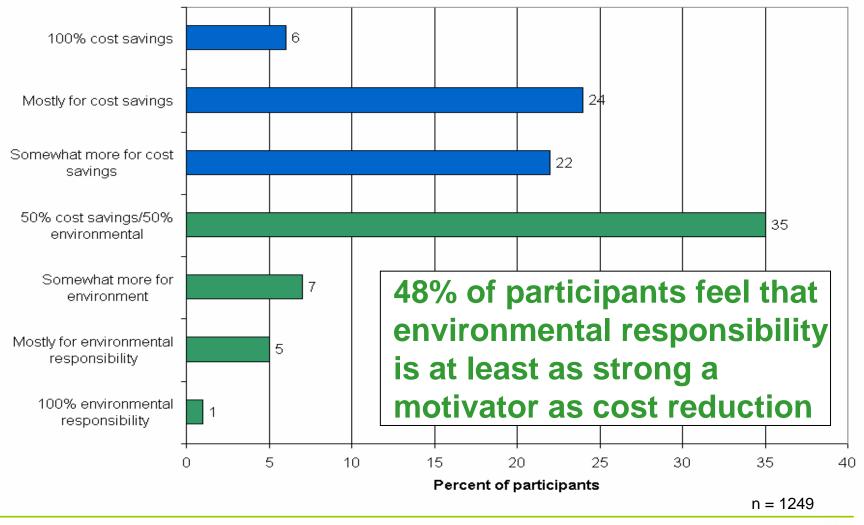
Expected Annual Energy Reductions



Page 7 EPA ClimateLeaders Partner's Meeting – Boulder, CO



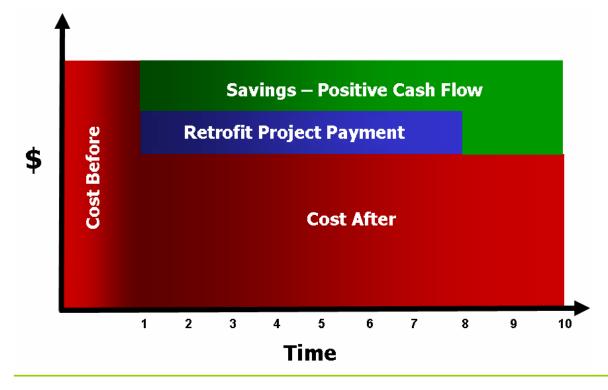
Motivation for Energy Investments





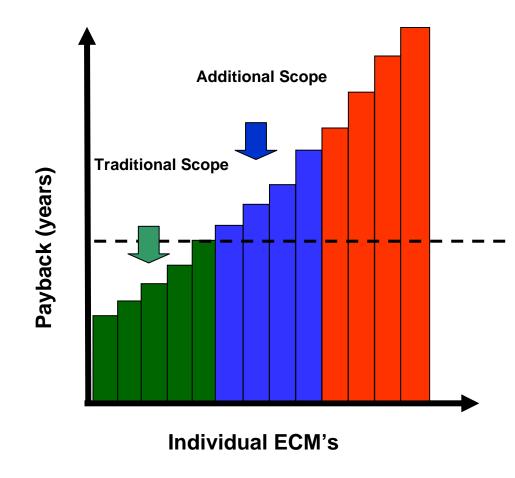
Energy Savings Performance Contracting

A proven model for financing and implementing large-scale energy efficiency retrofit projects in the public-sector based on guaranteed energy savings





A Programmatic Approach to Efficiency



Bundling energy conservation measures into a single project results in expanded energy efficiency and renewable energy investments while still meeting internal financial targets



Lessons for GHG reduction projects

- Establish goals and manage GHG reduction projects centrally
- Complete an energy/GHG baseline and perform an energy audit of all facilities
- Benchmark facilities using EnergyStar, LEED and/or other standard tools
- Estimate GHG reductions for all improvements
- Combine improvements into a single program that meets the required financial criteria and obtain senior management approval for the program



Placing an additional focus on carbon

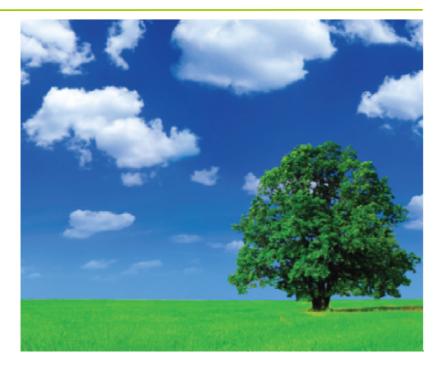
- Require GHG impact analysis for all large fleet and facility-related capital requests
 - Don't forget the impact of real estate consolidation
- Evaluate potential GHG reduction projects based on financial return/cost of investment
 - Will tend to favor energy efficiency investments
- Consider providing internal carbon credits for GHG reduction projects
 - Allocation of corporate benefits (tax credits) or avoided costs (offsets) to fund reductions within business units
 - Use the voluntary carbon market to establish price



Thank you!

Clay Nesler VP, Global Energy & Sustainability Johnson Controls, Inc. 507 East Michigan Street Milwaukee, WI 53202 +1.414.524.4374

clay.g.nesler@jci.com



http://www.johnsoncontrols.com/sustainability



