



More Energy Efficient Buildings – One Approach to Saving Money and the Planet

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April 30, 2008



Today's Electricity Challenges

- Demand Outpacing Supply
- Aging Infrastructure
- Congested Transmission Lines
- Record High Prices
- Climate Change

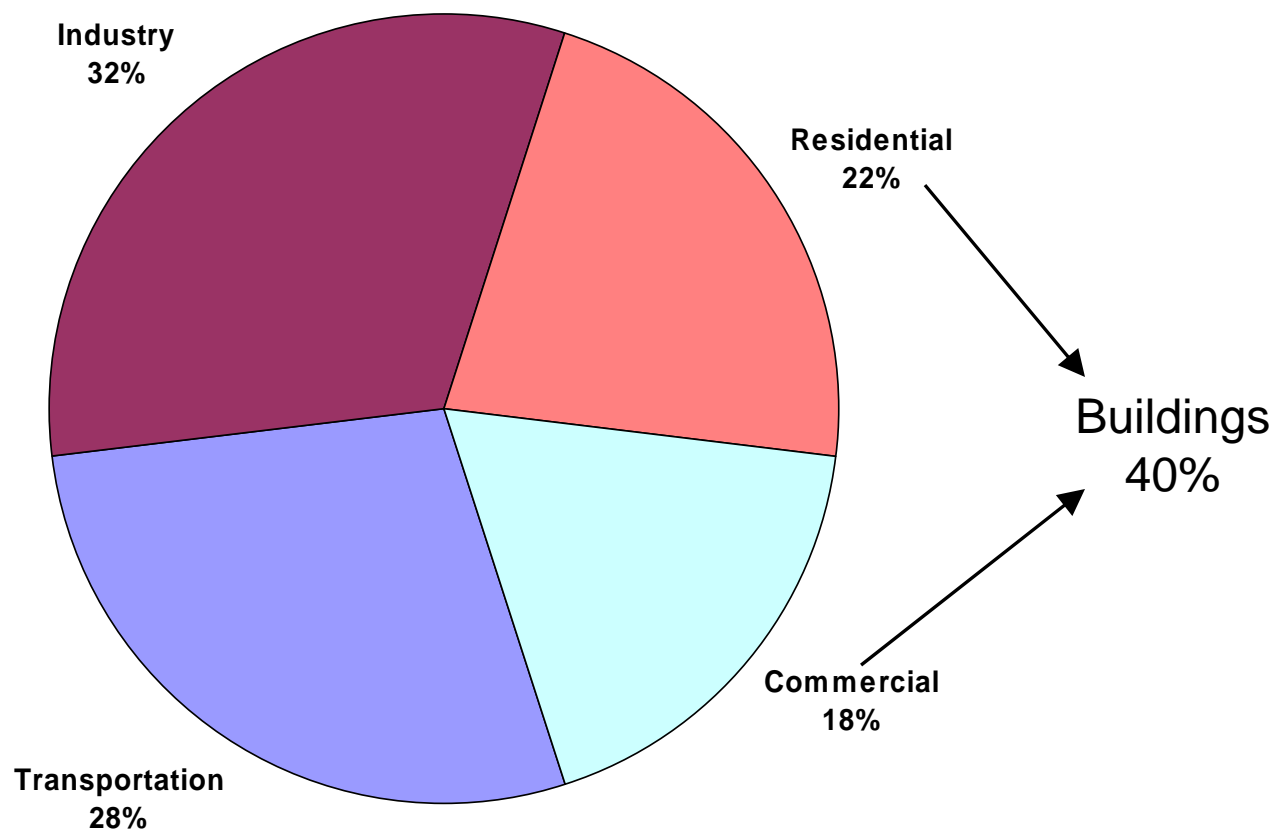
Least Expensive Kilowatt is the One You Don't Need

- Energy efficiency is the quickest, easiest, and cheapest way to reduce electricity consumption
 - Saves consumers money;
 - Avoids need to build new power plants;
 - Prevents greenhouse gas emissions.
- For example, BGE recently proposed energy efficiency programs at 2.5 cents per kwh vs. residential electricity rate of 11.5 cents per kwh

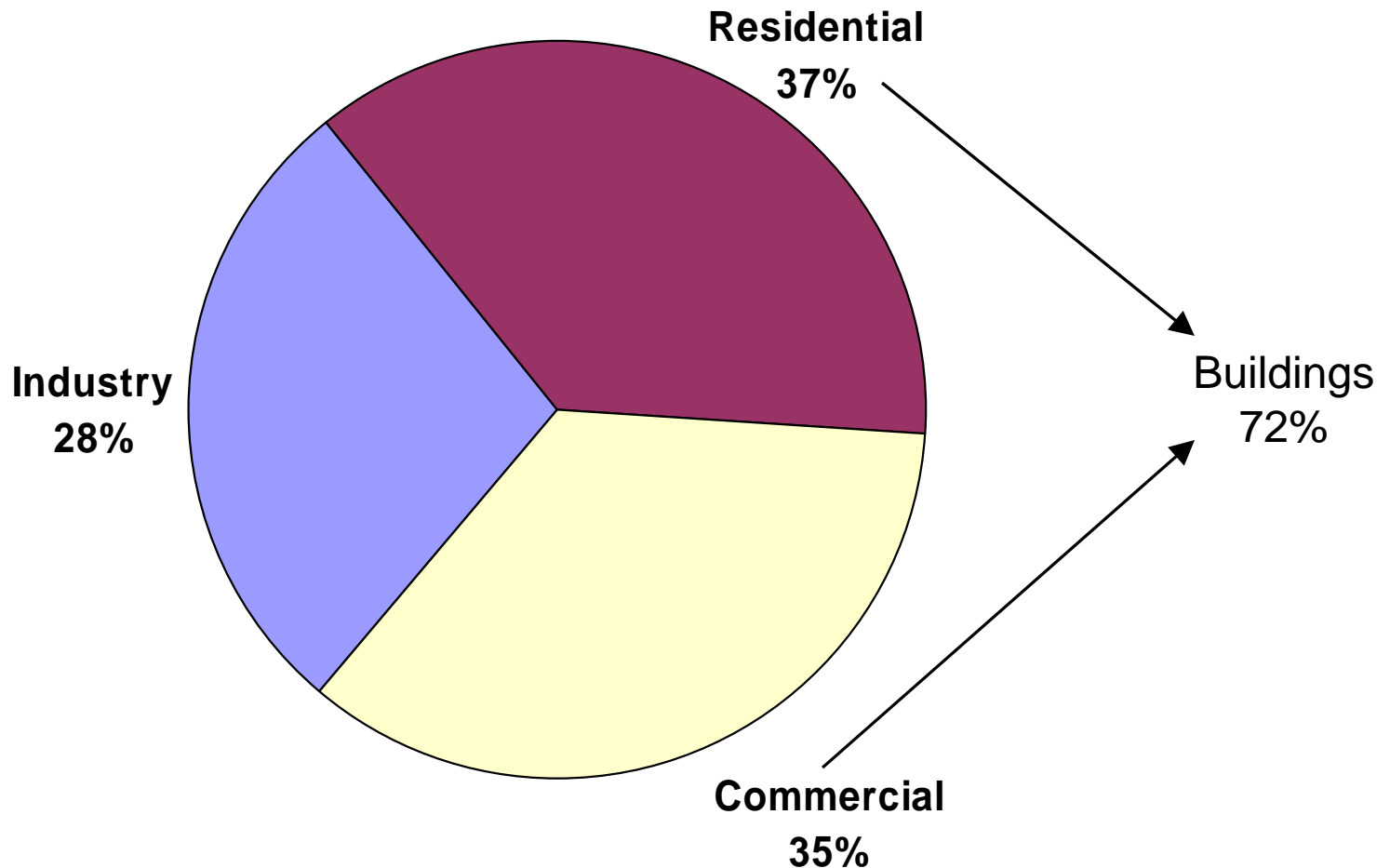
States Investing in Energy Efficiency Now

- EmPOWER Maryland Act – 15% by 2015
- Regional Greenhouse Gas Initiative (RGGI) – 10 states established first US carbon cap-and-trade regime, with significant share of proceeds to be invested in energy efficiency

US Energy Consumption



US Electricity Consumption



State Building Code Initiatives

- Maryland adopted the latest version of the International Energy Conservation Code (2006 IECC) in 2007.
 - MD is on a 3 year code adoption cycle – requiring only regulations to move to the newest code.
- Maine last week adopted the 2009 IECC.
- Connecticut requires all buildings over a certain size and major renovations to qualify for LEED Silver rating.
- California is an international leader in building codes

Inspector Training Is Critical

- Limited compliance without law and order.
- MEA and US DOE have trained over 550 contractors and code officials on the energy code and “above code” programs between 2004 -07 in MD.

Potential to Do So Much More

- Upgrading Maryland's building codes by 30% could reduce electricity consumption in the state by 260 GWh and save \$300 million in 2015. (American Council for an Energy-Efficient Economy, Report on Maryland's Energy Future, 2008)
- Improved codes will reduce greenhouse gases by 2.4 million tons of CO₂ by 2020.
- Improving local building codes
 - Montgomery County recently passed legislation that required every new home to meet ENERGY STAR New Home Qualifications – starting in 2009

How Congress Can Help

- Support 30% upgrade in building codes (Lieberman-Warner)
- Fully fund state energy offices at \$125 million annually
 - For every dollar invested, over \$7 is returned in energy savings
- Provide at least \$30 million each for residential and commercial code support and training.
 - Cut to less than \$4 million in conference last year



For more information, please contact the Maryland Energy Administration:

- 410-260-7655 or 800-72-ENERGY
- www.energy.maryland.gov

