



www.energy.mn.gov

Terry Webster

Who we are...



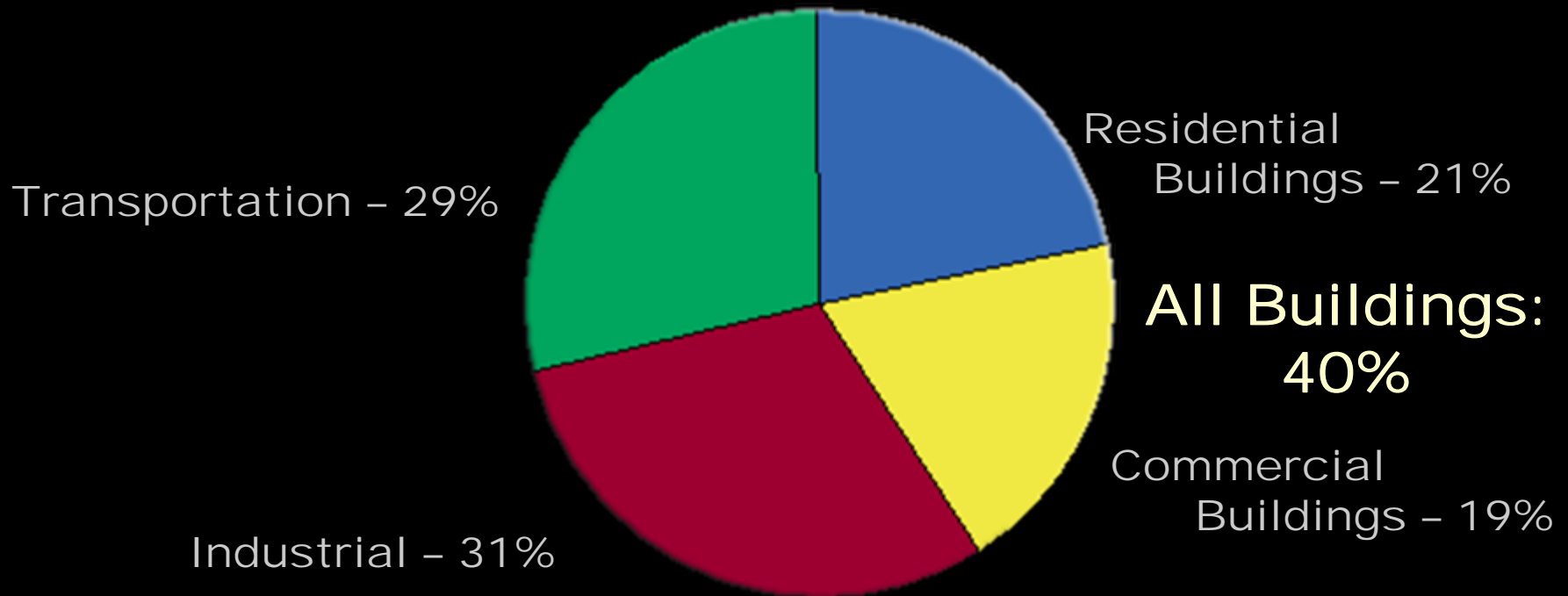
- Providing energy expertise for over 30 years
 - Promoting energy **conservation**, energy **efficiency** and **renewable** energy to Minnesota consumers, businesses, and policymakers through educational outreach and technical assistance, targeted financial incentives, and demonstrations of market-ready new technologies.
 - *Publications, presentations, website, training, energy fairs, State Fair Eco-Experience, Living Green Expo*

Legislative Action

- Next Generation Energy Initiative of 2007:
 - More Energy Savings
 - *NextGen requires utilities to save 1.5% of annual retail energy sales—a doubling of energy savings!*
 - More Renewables
 - *MN utilities must provide 25% of electricity from renewable sources by 2025*
 - *Most aggressive standard in the nation!*
 - Less Carbon
 - *Statewide greenhouse gas (GHG) reduction goals*
 - *15% by 2015, 30% by 2025, 80% by 2050*

We use a lot of energy!

- Annual statewide energy use:
 - 1.822 quadrillion Btus



Energy Use: Annually

- This includes...
 - Enough natural gas to fill nearly 6000 Metrodomes
 - Enough coal to fill a train stretching from Duluth to New Orleans—and back again
 - Enough petroleum to make a layer 15 feet thick over Interstate 94 from Hudson to Moorhead—all four lanes



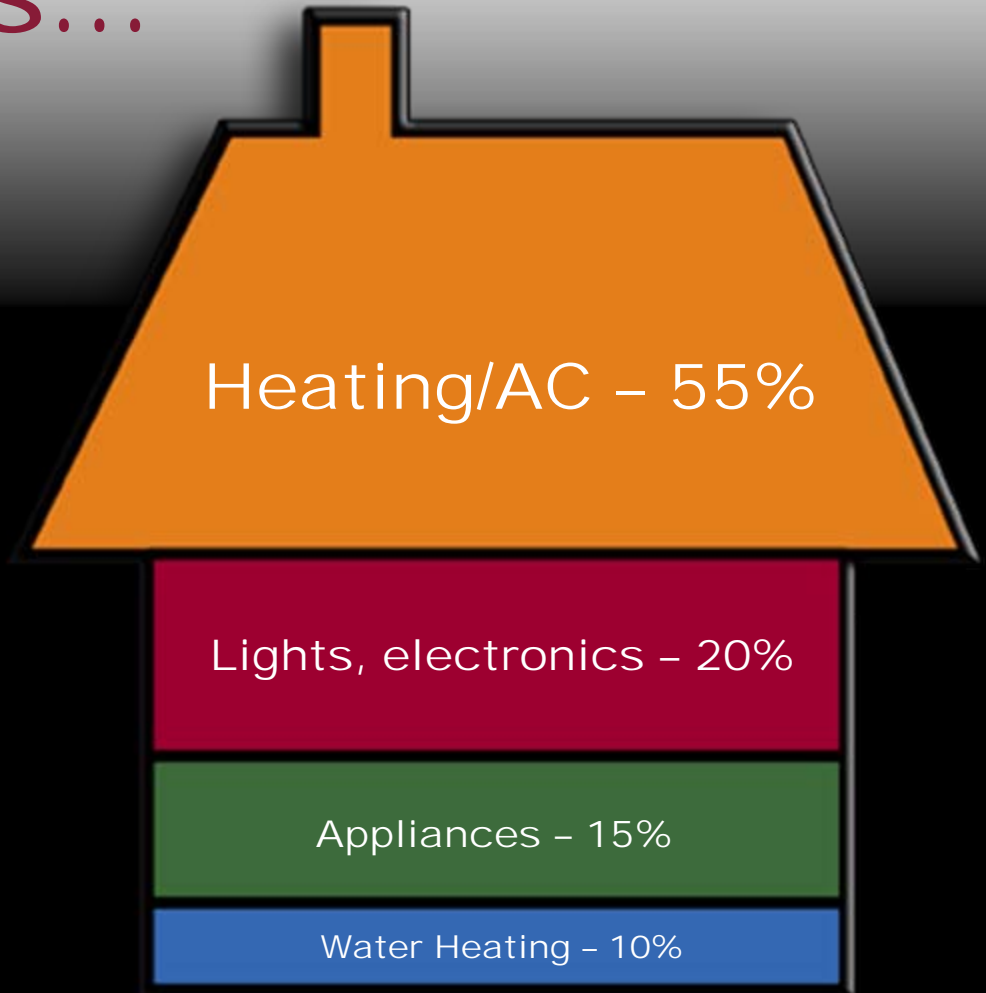
Energy Use: Annually

- And all this energy use generates over 105 million tons of CO₂...
 - Enough to fill the Mall of America over 24,000 times



Every year the typical MN house uses...

- Nearly 207 million btus of energy
 - Electricity
 - Natural gas
 - Propane
 - Heating oil



The Energy Mix

- New technology will be in our future...
 - Wind, solar, bio-fuels, fuel cells, hybrids, new construction methods and materials...
- *But* we will have a mix of energy sources for decades...
 - Coal, nuclear, natural gas, petroleum, *and* renewables



In the meantime...

- *Conservation and efficiency* actions are the best **FIRST** strategies for:
 - Reducing dependence on fossil fuels
 - Affecting climate change
 - Saving real money
 - Securing our energy future
 - Preparing for what comes next

What can I do?

- Can *my* actions *really* make a difference for...
 - my energy bill?
 - the state's energy bill?
 - encouraging renewable energy?
 - reducing our carbon emissions?
 - securing our energy future?



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