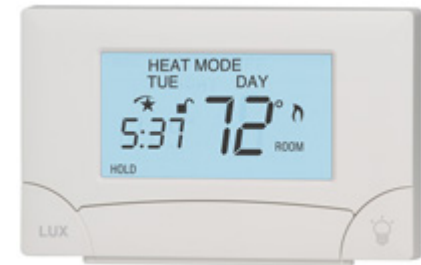
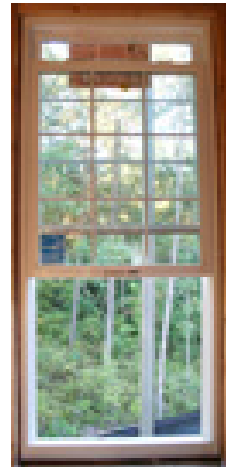




ENERGY STAR – Leading the Way to Climate-Friendly Buildings

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U.S. EPA, Climate Protection Partnerships Division
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ENERGY STAR Products



ENERGY STAR Buildings



500 Boylston St.
Boston, MA



Albuquerque Indian Hospital
Albuquerque, NM



1001 Pennsylvania Ave.
Washington, DC



Westin San Francisco Airport
Millbrae, CA



Parkside Elementary School
Buffalo, MN



Blue Earth County Courthouse
Mankato, MN

What is ENERGY STAR for Buildings?



- U.S. Environmental Protection Agency energy management program providing proven solutions to help public and private sector building owners and managers reduce their energy consumption.
- Over 1,700 Partners operating more than 11 billion square feet of space (nearly 20% of space in the U.S.).
- Over 35,000 buildings, representing nearly 6 billion square feet of space, have measured their energy performance with ENERGY STAR.
- Over 3,700 buildings have earned the ENERGY STAR label for energy efficiency.



Why Commercial Buildings?



- The buildings in which we work, shop, play, and educate our children use \$200 billion of electricity and natural gas each year.
- Commercial buildings and industrial facilities generate nearly 50% of U.S. carbon dioxide emissions.
- 30% of energy consumed in commercial buildings is used unnecessarily or inefficiently.
- Existing commercial buildings represent the biggest opportunity for **IMMEDIATE, LOW-COST** emission reductions.

Energy Opportunities in Existing Commercial Buildings

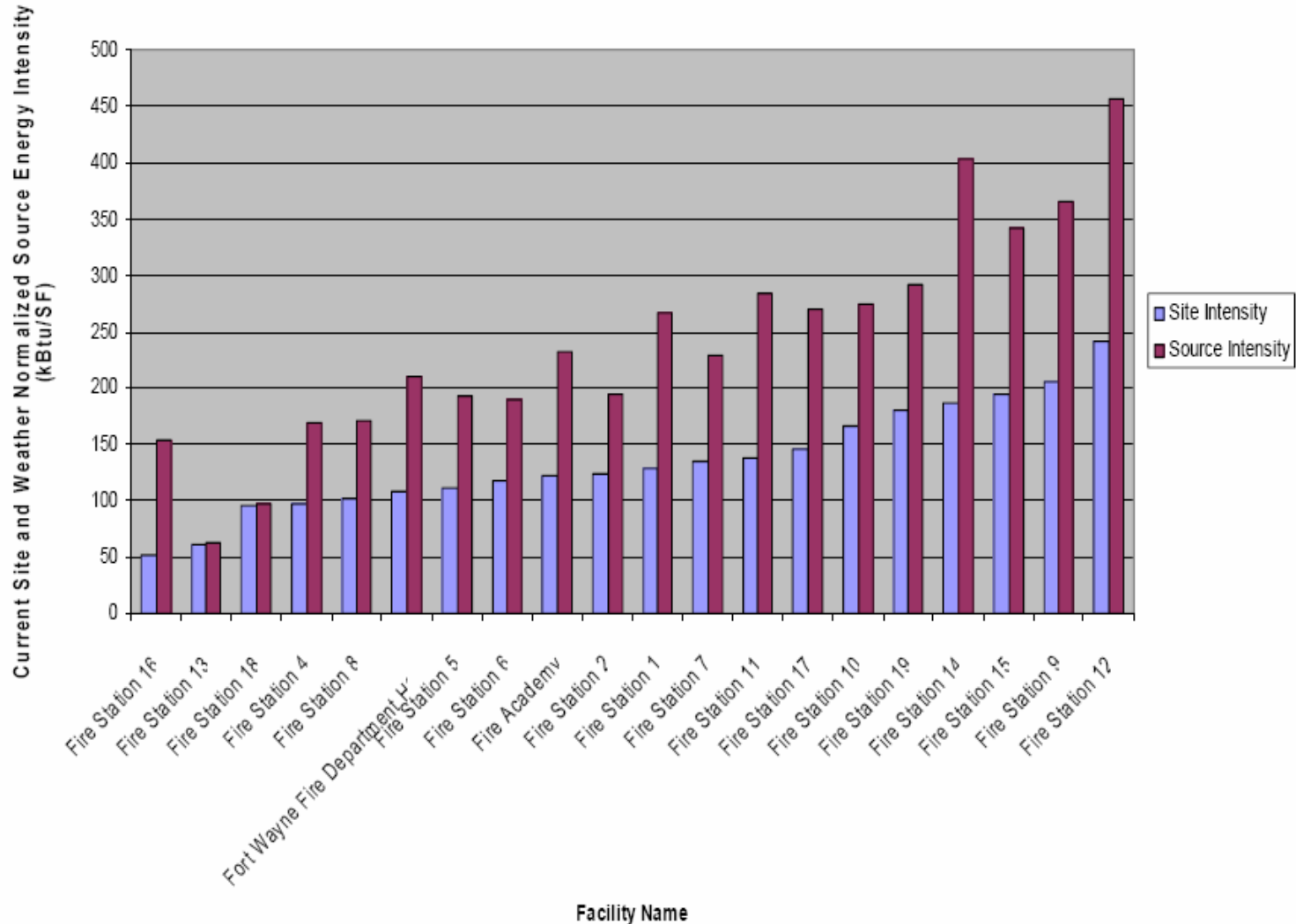


ENERGY STAR labeled buildings use 35 percent less energy than average buildings.

Fort Wayne Fire Stations 20 Similar Buildings – Different Energy Use



Fire Stations- Site and Source Energy Use Intensity



Who's Improving Energy Performance with ENERGY STAR



- **State and Local Governments** (California, Ohio, Blue Earth County, MN, Calhoun County, AL)
- **Major corporations** (Marriott, Food Lion, Wal-Mart, JC Penney, CVS, Staples)
- **Property owners and managers** (CB Richard Ellis, Jones Lang LaSalle, USAA Realty, Transwestern, Hines)
- **K-12 Schools** (Arlington County Schools, San Diego Schools)
- **Universities** (University of New Hampshire, City University of New York, University of Michigan)
- **Hospitals and health systems** (Providence Health, NY Presbyterian)

ENERGY STAR Partner Organizations



- US Conference of Mayors
- National Association of Counties (NACo)
- Building Owners and Managers Association (BOMA)
- CoStar (Commercial Building Multiple Listing Service)
- American Society of Healthcare Engineers (ASHE)
- National Automobile Dealers Association (NADA)
- American Bar Association (ABA)
- National Association of Evangelicals (NAE)

. . . and many more.

ENERGY STAR Challenge



Improve energy efficiency 10% or more!

The ENERGY STAR Challenge



- ENERGY STAR Challenge encourages everyone to work to improve the energy efficiency of America's existing buildings by 10% or more.
- If this goal were met, each year we would save \$20 billion and reduce GHG emissions equivalent to those of 30 million vehicles.
- Nearly 200 organizations participating:
 - 32 States
 - Over 25 national associations
 - Over 100 cities and counties



Local Governments and the ENERGY STAR Challenge

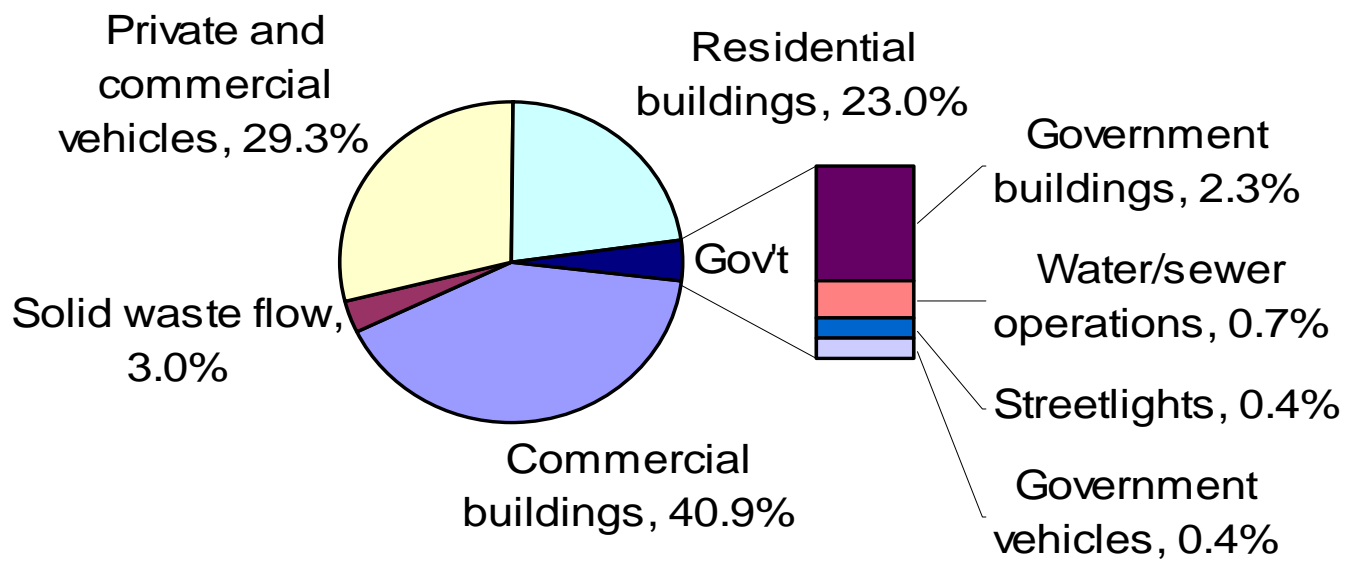


- Local governments play a dual role in the Challenge:
 - Lead by example and improve their buildings
 - Promote energy efficiency to businesses and other organizations within their jurisdiction.
- Engaging the private sector is essential . . .

Total Arlington County Greenhouse Gas Emissions by Sector, 2000

Total community emissions: 2.9 million tons CO2-equivalent

Government < 4% of total, so community outreach critical



The ENERGY STAR Challenge Toolkit



➤ Get Started!

- Quick Lists of ENERGY STAR Resources for Buildings and Homes.
- Model for establishing an energy efficiency campaign for your community.

➤ Learn More!

- Fact sheets on energy use in different parts of the community (offices, hotels, schools, supermarkets, congregations, etc.)
- Fast facts on energy use and climate change to help you craft your message.

➤ Spread the Word!

- Co-brandable information cards, posters, and other materials for distribution to constituents and employees.
- Sample news releases.
- Tips on working with the media to promote your efforts.

. . . and much more

ENERGY STAR and Green Building



- Whatever green building certification you are considering (LEED, Green Globes, etc.), it is important to ensure that buildings are energy efficient.
- Requiring new construction to be “Designed to Earn the ENERGY STAR” can provide an energy efficiency “insurance policy.”
- Requiring benchmarking after new buildings are operating will ensure they are performing as designed.

Get Involved Now



- Join as an ENERGY STAR Partner:

www.energystar.gov/index.cfm?c=business.bus_commit

- Take the ENERGY STAR Challenge and access the Toolkit:

www.energystar.gov/challenge

- For more information:

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Tel: 202-343-9152