



# **ENERGY STAR Resources for EECBG Projects**

# What is ENERGY STAR for Buildings?



- U.S. Environmental Protection Agency energy management program.
- Offers proven solutions to help building owners and managers reduce energy consumption.
- Program for new construction and existing buildings.
- Works in markets with a focus on:
  - Commercial property (offices, retail, hotels)
  - Public sector (government, K-12, higher ed)
  - Healthcare
  - Small business and congregations

# Who's Improving Performance with ENERGY STAR



- **State and Local Governments** (California, Pennsylvania, Washington, DC, Austin, Louisville, Montgomery County (MD), Arlington County (VA))
- **K-12 Schools** (New York City Schools, San Diego Schools, nearly 100 Wisconsin school districts)
- **Commercial Real Estate** (CB Richard Ellis, Hines, Jones Lang LaSalle, USAA Realty, Transwestern)
- **Retail** (JCPenney, Kohl's, Target, Dick's Sporting Goods, Food Lion, Stop & Shop)
- **Hospitality** (Marriott, Best Western, Wyndham)
- **Healthcare** (Sunrise Assisted Living, Providence Health, Inova Health System)
- **Higher Education** (University of New Hampshire, City University of New York, University of Michigan)
- **Associations** (ICLEI, NACo, USCM, NASEO, BOMA, IFMA, American Association of Community Colleges, Green Hotels Association, National Automobile Dealers Association)



# Leveraging ENERGY STAR in EECEBG Projects

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- As you are launching EECEBG programs, ENERGY STAR resources can be integrated into existing programs or used to launch stand alone programs...

# Off-the-Shelf ENERGY STAR Resources

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- Portfolio Manager
- Building Upgrade Manual
- “Bring Your Green to Work” Campaign
- ENERGY STAR College Course
- ENERGY STAR Training

# ENERGY STAR Tools and Resources Library



**ENERGY STAR**

U.S. ENVIRONMENTAL PROTECTION AGENCY • U.S. DEPARTMENT OF ENERGY

About ENERGY STAR • News Room • FAQs • **KIDS**

Search  **Go**

**PRODUCTS** ▶

- Change the world, take the **ENERGY STAR Pledge.**
- Explore Products >
  - Appliances
  - Heating & Cooling
  - Home Electronics
  - Lighting
  - Office Equipment
  - Store Locator
  - Rebate Finder

**HOME IMPROVEMENT** ▶

- ENERGY STAR HOME ADVISOR**
- Explore Home Improvement >
  - Common Home Problems
  - Home Energy Audits
  - Air Seal & Insulate
  - Heat & Cool Efficiently
  - Home Performance with ENERGY STAR
  - For Contractors

**BUILDINGS & PLANTS** ▶

- Take the **ENERGY STAR CHALLENGE!**
- Explore Buildings & Plants >
  - Guidelines for Energy Management
  - Tools & Resources Library**
  - Expert Help
  - Commercial Building Design
  - Green Buildings

**NEW HOMES** ▶

- ENERGY STAR Qualified Homes**
- Explore Qualified New Homes >
  - Find an ENERGY STAR Builder
  - ENERGY STAR New Home Features
  - Benefits for Homeowners
  - For Residential Professionals

**HEADLINES**

- ENERGY STAR Award Applications Now Available
- Save on Summer Cooling Costs
- EPA Announces New Set-top Box Requirements
- EPA Launches New Campaign in Fight Against Climate Change
- New Report: Profiles in Leadership, Recognizing ENERGY STAR Winners

[More Headlines >](#)

**GO TO PARTNER RESOURCES** ▶

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[www.energystar.gov](http://www.energystar.gov)

# ENERGY STAR Portfolio Manager

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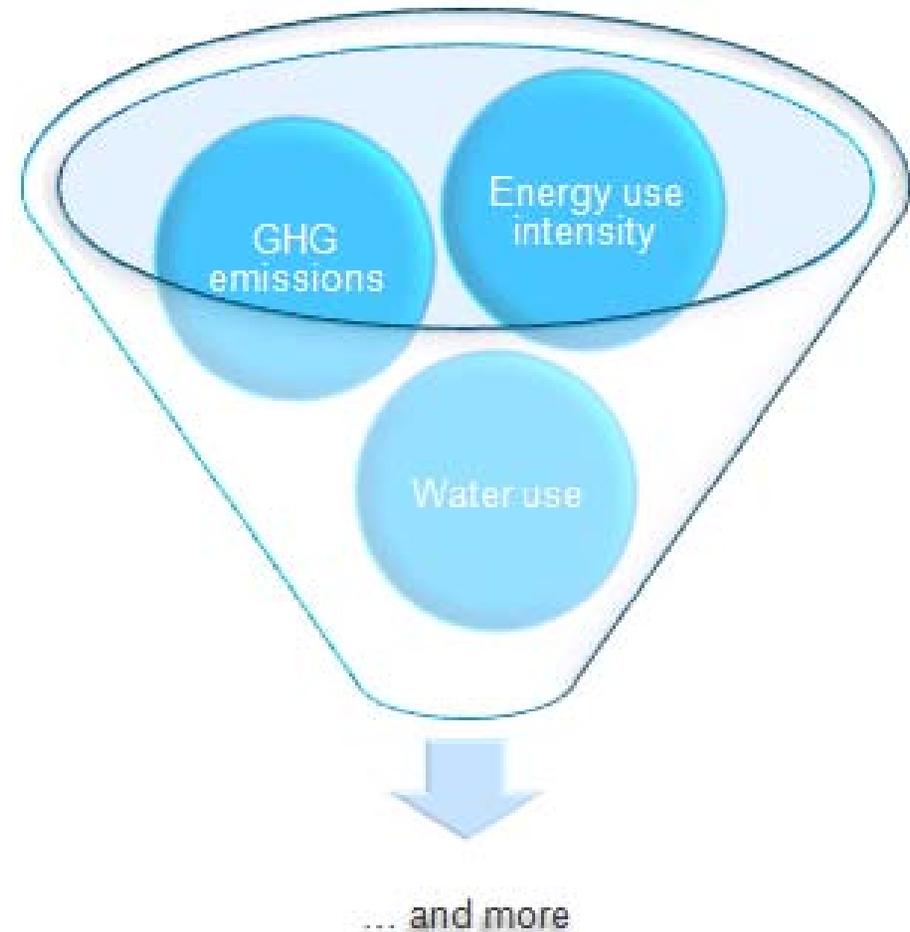
EPA's no-cost online tool: [www.energystar.gov/benchmark](http://www.energystar.gov/benchmark)

- Assess the whole building energy use of existing buildings (weather normalized EUI)
- Track changes in energy and water use over time in single buildings, groups of buildings, or entire portfolios
- Receive an energy performance rating (1-100 score), buildings that score a 75 or higher are eligible for the ENERGY STAR.
- Track CO<sub>2</sub> reductions and cost savings
- Track onsite renewable wind and solar energy use
- Custom reporting and graphing features - for your own buildings *and* external sharing

# Valuable Performance Tracking for ALL Commercial Buildings



- Such as:
  - Police Stations
  - Fire Stations
  - Assisted Living Facilities
  - Convention Centers
  - Laboratories
  - Libraries
  - Malls
  - Movie Theatres
  - Restaurants
  - Stadiums and Arenas



# Space Types Eligible for the 1-100 Performance Rating System



**Bank/Financial Institutions**



**Courthouses**



**Dormitories**



**Hospitals**



**Hotels**



**Houses of Worship**



**K-12 Schools**



**Medical Offices**



**Office Buildings**



**Retail Stores**



**Supermarkets**



**Warehouses**



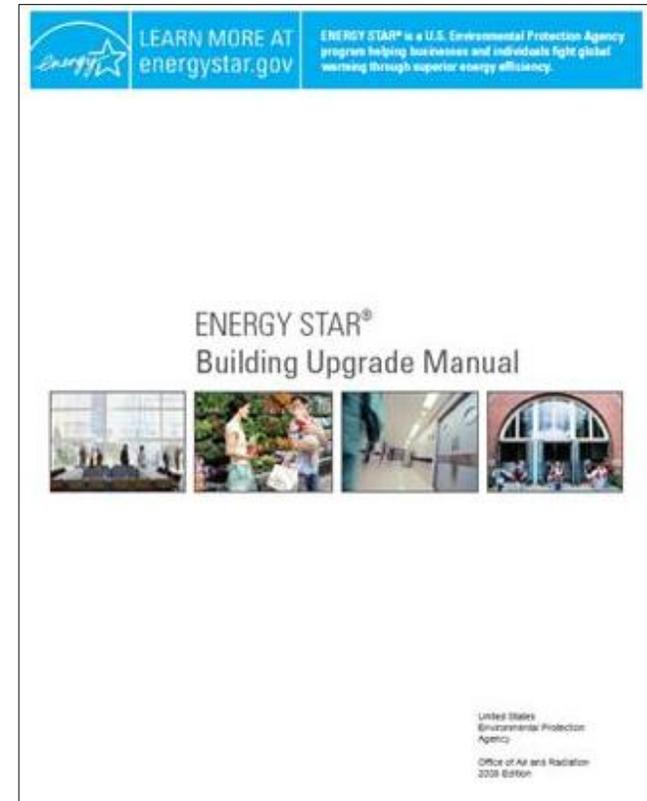
**Wastewater Treatment Plants**



# Promote Energy Efficiency Best Practices with EPA's Building Upgrade Manual

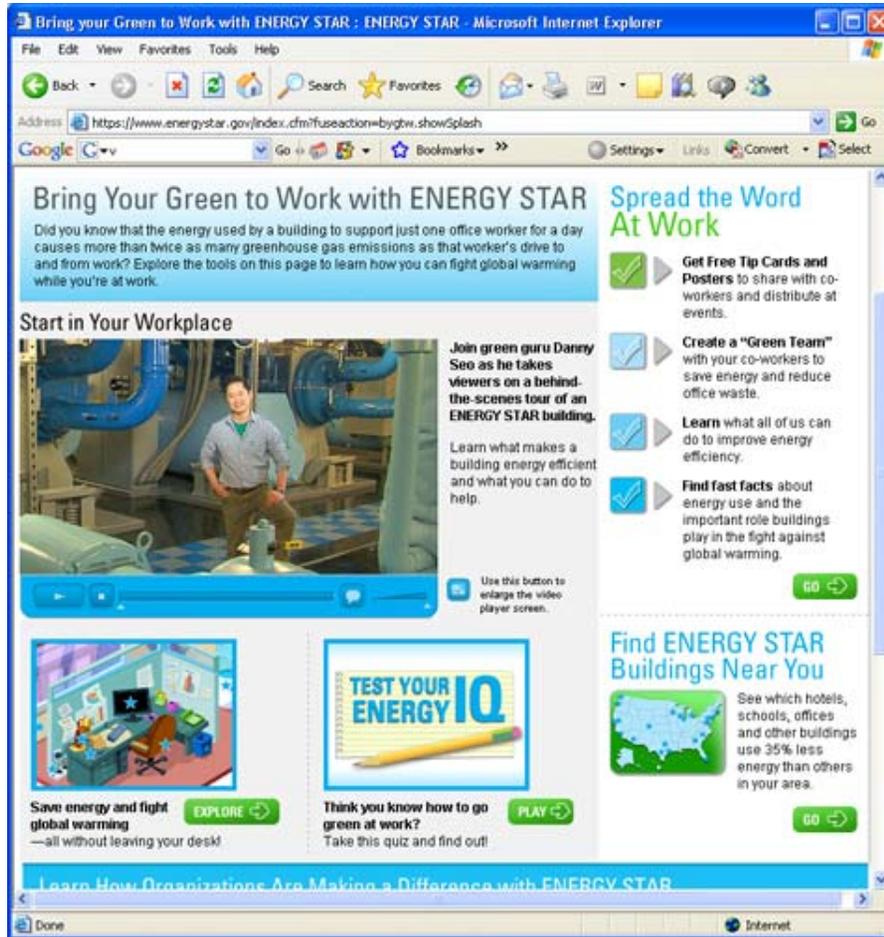


- Guidance to plan and implement profitable energy saving building upgrades utilizing best practices for cost-effective improvement.
- Expanded **benchmarking guidance**, including benefits, options, and best practices
- Updated **resources, case studies, and savings data**
- Staged approach for planning upgrades to maximize energy savings:
  - Retrocommissioning (Chapter 5)
  - Lighting (Chapter 6)
  - Supplemental Load Reductions (Chapter 7)
  - Air Distribution Systems (Chapter 8)
  - Heating And Cooling Upgrades (Chapter 9)



[www.energystar.gov/bldgmanual](http://www.energystar.gov/bldgmanual)

# Engage Employees/Tenants with EPA's "Bring Your Green to Work"



## Off-the-Shelf Energy Awareness Program

- Green Team checklist
- Employee Training Toolkit
- Behind the scenes tour
- Interactive cubicle
- Energy quiz
- Publications
- Fast Facts on Energy



All available at [www.energystar.gov/work](http://www.energystar.gov/work)

# ENERGY STAR College/Training Curriculum



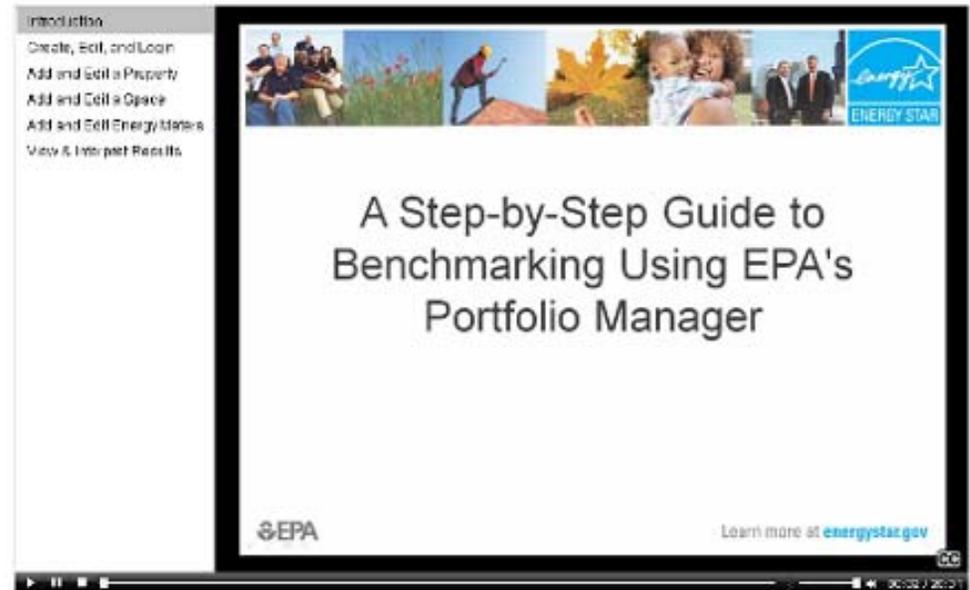
- Gives students practical, hands-on experience with commercial building energy efficiency
- Free-of-charge, off-the-shelf package from EPA
- Includes everything you need:
  - Course Syllabus, outline, and reading list
  - Student project
  - Course lecture plans and presentations
  - ...And more!
- Customize or expand it to your needs



# Tap into ENERGY STAR Training Resources



- **Benchmarking Starter Kit**
  - Animated Portfolio Manager training
  - Data Collection Worksheet
  - Step-by-step Quick Reference Guide
- **Cost-free live and recorded trainings**
  - Commercial Real Estate: Best Practices to Improve Energy Performance
  - Highlighting ENERGY STAR Retail Successes
  - Computer Power Management with ENERGY STAR
  - Financing Energy Efficient Upgrades



[www.energystar.gov/businesstraining](http://www.energystar.gov/businesstraining)

Many more available!



# For More Information

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Visit [www.energystar.gov/buildings](http://www.energystar.gov/buildings)

E-mail [buildings@energystar.gov](mailto:buildings@energystar.gov)