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ENERGY STAR® is a U.S. Environmental Protection Agency program helping businesses and individuals fight global warming through superior energy efficiency.

TRACK AND REPORT YOUR ENERGY IMPROVEMENTS IN 3 EASY STEPS AN OVERVIEW TO PORTFOLIO MANAGER - EPA'S NO-COST ONLINE ENERGY MANAGEMENT TOOL

Under the American Recovery and Reinvestment Act (ARRA) of 2009, state and local governments are receiving substantial funding to implement energy efficiency initiatives. With an average of 30 percent of the energy used in commercial buildings going to waste, existing buildings represent one of the best opportunities for immediate and cost-effective reductions in energy use and greenhouse gas emissions.

Energy used by commercial and industrial buildings in the United States is responsible for about \$200 billion in annual costs and creates nearly 50 percent of our national emissions of greenhouse gases that contribute to global climate change. State and local officials can leverage EPA's no-cost ENERGY STAR Portfolio Manager tool to assess the energy use of buildings to identify their best opportunities for improvement, track performance over time, and document savings results.

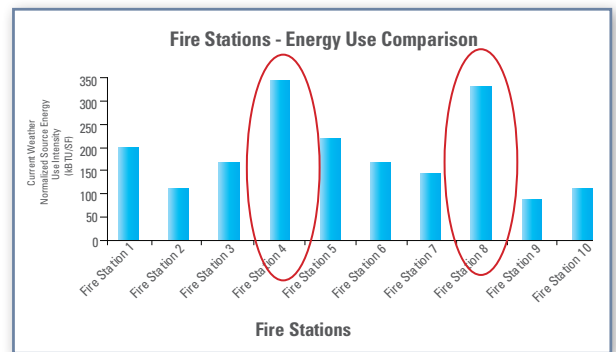
Visit www.energystar.gov/benchmark to get started using Portfolio Manager.

1. IDENTIFY ENERGY EFFICIENCY PROJECTS

Portfolio Manager is an interactive energy management tool that allows users to track and assess energy and water consumption in individual buildings—and across entire portfolios of buildings—in a secure online environment.

Portfolio Manager enables users to compare the energy use of similar buildings. Enter energy use data into the tool to:

- ✓ Identify under-performing buildings to target for energy efficiency improvements.
- ✓ Establish baselines to set goals and measure progress for energy efficiency improvement projects over time.



Prioritize efforts by identifying under-performing buildings.

2. TRACK PROGRESS OVER TIME

Portfolio Manager allows users to track key consumption, performance, and cost information during energy efficiency improvement projects. Use Portfolio Manager to:

- ✓ Monitor energy efficiency improvements compared to a baseline.
- ✓ Track reductions in greenhouse gas emissions.
- ✓ Monitor energy and water cost savings.

Facility Name	Current Source Energy Intensity (kBtu/Sq. Ft.)	Change from Baseline: Adjusted Energy Use	Change from Baseline: Energy Use Intensity (kBtu/Sq. Ft.)	Change from Baseline: GHG Emissions (MtCO ₂ e)	Energy Cost per Sq. Ft. (US Dollars (\$))
Fire Station 1	160.1	-12.3	-6.1	-275.86	\$0.30
Fire Station 2	172.6	-17.2	-10.7	-488.62	\$0.37

View and compare energy performance and GHG metrics.

3. VERIFY AND DOCUMENT RESULTS

Portfolio Manager can help users quickly document reductions in energy use, greenhouse gas emissions, water use, and costs for an individual building or an entire portfolio. This valuable information can be used to provide a level of transparency and accountability to help demonstrate strategic use of ARRA 2009 funding. With Portfolio Manager, you can:

- ✓ Generate a Statement of Energy Performance (SEP) for each building, summarizing important performance indicators, including energy use intensity and greenhouse gas emissions associated with building energy use.
- ✓ Download all performance metrics into Microsoft® Excel.
- ✓ Request an Energy Performance Report that shows reductions in key performance indicators over a user-specified time period.

STATEMENT OF ENERGY PERFORMANCE Fire Station 2		
Building ID: 1642851 For 12-month Period Ending: December 31, 2008 ¹ Date SEP becomes ineligible: N/A	Facility Owner N/A	Primary Contact for this Facility N/A
Facility Fire Station 2 000 Blank Street Arlington, VA 22209		
Year Built: 1000 Gross Floor Area (ft ²): 300,000		
Energy Performance Rating ² (1-100) N/A		
Energy Intensity ³ Site (kBtu/ft ² /yr) Source (kBtu/ft ² /yr)		52 173
Emissions (based on site energy use) Greenhouse Gas Emissions (MTCO ₂ e/year)		2,352
Site Energy Use Summary ⁴ Electricity (kWh) Natural Gas (kWh) ⁴ Total Energy (kWh)	15,500,000	
Energy Intensity ³ Site (kBtu/ft ² /yr) Source (kBtu/ft ² /yr)		52 173
Emissions (based on site energy use) Greenhouse Gas Emissions (MTCO ₂ e/year)		2,352
Electric Distribution Utility Virginia Electric & Power Co		
National Average Comparison National Average Site EUI National Average Source EUI % Difference from National Average Source EUI Building Type	76 157 10% Fire Station/Police Station	
Meets Industry Standards ⁵ for Indoor Environmental Conditions: Ventilation for Acceptable Indoor Air Quality Acceptable Thermal Environmental Conditions Adequate Illumination	N/A N/A N/A	Certifying Professional N/A

Notes:
1. Buildings for the ENERGY STAR must be submitted to EPA within 4 months of the Project Start date. Approval of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, measured by a 12-month period.
4. Natural Gas values in units of volume (e.g., cubic feet) are converted to kBtu with adjustments made for elevation based on Facility zip code.
5. Values represent energy intensity, averaged by a 12-month period.
6. Based on ASHRAE 90.1-2001 Standard 9.4.1 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and ASHRAE Lighting Handbook for lighting quality.

LEARN MORE AT ENERGYPSTAR.GOV

EPA provides a variety of other resources to state and local government representatives to assist their efforts in fighting global warming. You can access a host of strategies and materials specifically designed to address your challenges at www.energystar.gov/government.

USE PROVEN ENERGY MANAGEMENT STRATEGIES

Based on the successful best practices of ENERGY STAR partners, the ENERGY STAR Guidelines for Energy Management can assist you in improving your energy and financial performance while establishing your government as an environmental leader. Learn more at www.energystar.gov/guidelines.

PERFORM COST-EFFECTIVE BUILDING UPGRADES

Plan systematic building upgrades using the 5-stage approach in EPA's Building Upgrade Manual. This online handbook, available for download at www.energystar.gov/bldgmanual, offers technical guidance for each stage, from commissioning to lighting and HVAC upgrades.

COMMUNICATE SUCCESS AND PROMOTE ENERGY EFFICIENCY

Use the ENERGY STAR Challenge toolkit to help spread the energy efficiency word to others in your community. Find it and other resources at www.energystar.gov/challenge.

RECOGNIZE RESULTS

Buildings that rate in the top 25 percent in the nation for energy efficiency may qualify for the ENERGY STAR. Learn more at www.energystar.gov/eslabel.