



EPA ENERGY STAR Update: **Portfolio Manager Upgrade and** **New Findings on Benchmarking and Energy Savings**

Leslie Cook

Public Sector Program Manager
ENERGY STAR Commercial Buildings



Learn more at energystar.gov

- Management Tool – Helps business and organizations by offering a platform to:
 - Assess whole building energy and water consumption
 - Track changes in energy, water, greenhouse gas emissions, and cost over time
 - Track green power purchases
 - Share/report data with others
 - Create custom reports
 - Apply for ENERGY STAR certification
- Metrics Calculator – Provides key performance metrics to integrate into a strategic management plan
 - Energy consumption (source, site, weather normalized)
 - ENERGY STAR 1-to-100 score (available for 15 building types)
 - Greenhouse gas emissions (indirect, direct, total, avoided)
 - Water consumption (indoor, outdoor)

→ Accessible in a free, online platform: www.energystar.gov/benchmark

- The standard national platform for benchmarking energy use in commercial buildings in the United States
 - Tens of thousands of active accounts
 - Used by more than 250,000 buildings, representing nearly 27 billion square feet of commercial and institutional building space in the U.S.
 - Adopted by leading commercial real estate, retail, healthcare, and educational organizations
 - Reporting tool adopted by state and local governments for mandatory benchmarking laws
 - Required for use in buildings owned and occupied by US Federal Agencies
- Selected by the Canadian Government as the platform for their national energy management program for existing commercial and institutional buildings

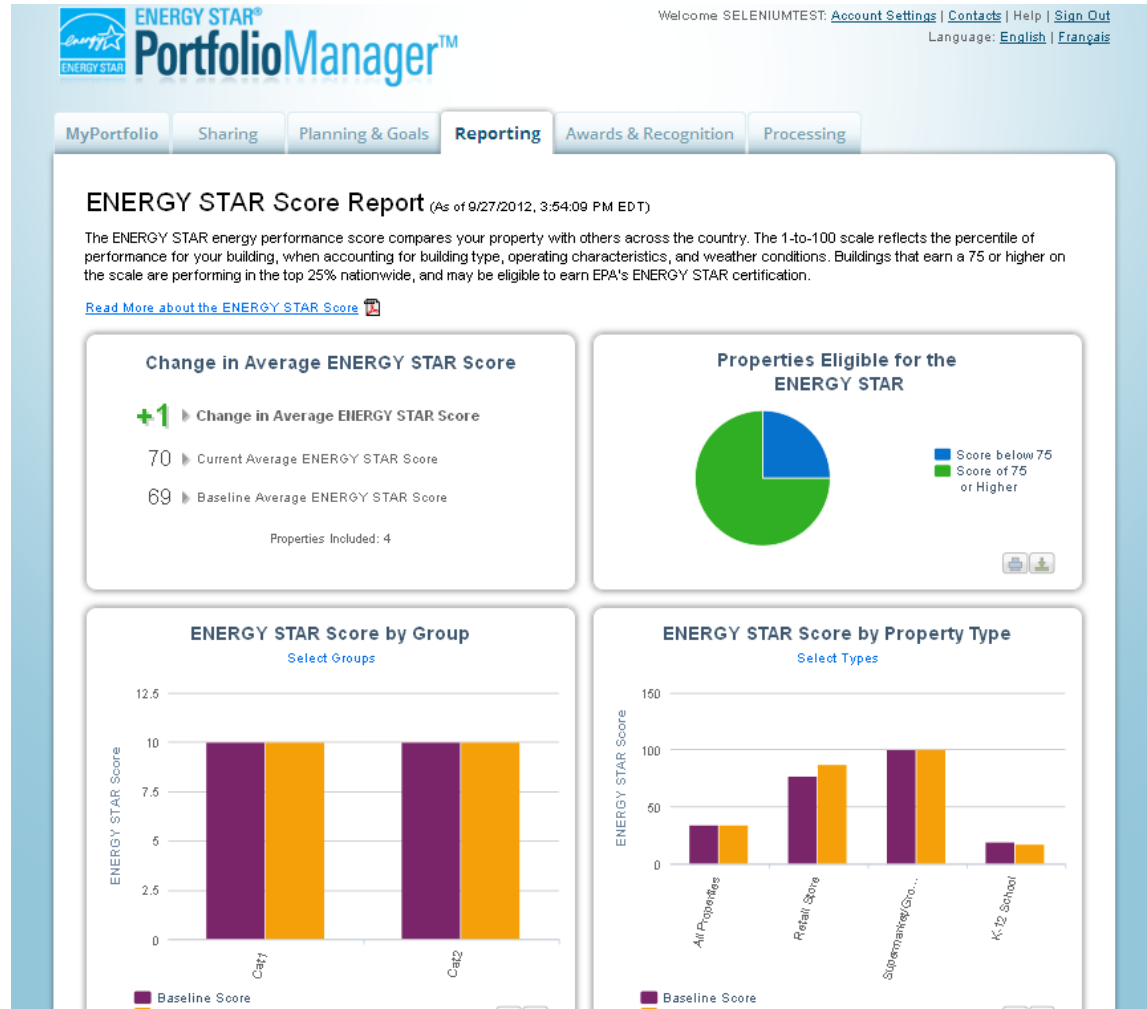


State and Local Portfolio Manager Benchmarking and Disclosure Policies


Jurisdiction	Enacted	Public Buildings	Commercial Buildings	Multifamily Buildings	Utility Requirement	Disclosure
New York	Dec 2012	√				Annual
Philadelphia, PA	June 2012	√	√			Annual
Austin, TX	June 2011	√	√	√		Transactional
San Francisco, CA	Feb 2011	√	√	√		Annual
Seattle, WA	Jan 2010	√	√	√	√	Transactional
New York, NY	Dec 2009	√	√	√		Annual
Washington	May 2009	√	√		√	Transactional
District of Columbia	July 2008	√	√	√		Annual
California	Oct 2007	√	√		√	Transactional
Minneapolis, MN	Pending	√	√			Annual
Boston, MA	Pending	√	√	√		Annual

- Portfolio Manager Upgrade
 - Easier to use
 - Completely new user interface
 - Make data entry more user friendly, like TurboTax®
 - Enhanced sharing and reporting features
 - Streamlined system database
 - Faster processing
 - Easier to update in the future
 - Modern approach to automated benchmarking
 - New REST-based web services
 - Granular and synchronous services improve opportunities for new applications
 - Upgraded services released for testing in September!
 - <http://portfoliomanager.energystar.gov/WebServices>

- Completely new look and feel
- Demonstrations available already
- New features throughout
 - Connect to other users
 - Make new reports
 - Benchmark campuses



OMB No. 2060-0347



ENERGY STAR DATA VERIFICATION CHECKLIST Southside

LEARN MORE AT
energystar.gov

89

ENERGY STAR®
Score¹

Primary Function: Office
Gross Floor Area (ft²): 382,438
Built: 2002

12-month Period Ending: March 31, 2011²
Date Application Becomes Ineligible: July 29, 2011

1. Score is on a scale of 1-100. Application must be submitted to EPA within 4 months of the Period Ending date. Award is not final until approval is received from EPA.
2. The ENERGY STAR Score is based on total source energy. A score of 75 is the minimum to be eligible for the ENERGY STAR.



Please use the [Licensed Professional's Guide to the ENERGY STAR® for Commercial Buildings](http://www.energystar.gov/business/evaluate_performance/pm_lp_guide.pdf) for reference in completing this checklist
(http://www.energystar.gov/business/evaluate_performance/pm_lp_guide.pdf).

Property & Contact Information

Property	Property Owner	Primary Contact
Southside 55 Second Street San Francisco, CA 94105	Hules 55 Second Street LP 55 Second Street San Francisco, CA 94105 415-512-5600	Eric Tatro 560 Mission Street Suite 100 San Francisco, CA 94105 415-512-5600 eric.tatro@hines.com
Property ID: 1140288 Federal ID: 192918 Local ID: 192919 Organizational ID: P-0192-SN		

1. Review of Whole Property Characteristics

Basic Property Information

- 1) **Property Name:** KPMG
Is this the official name to be displayed in the [Registry of ENERGY STAR Certified Buildings and Plants?](#) Yes No
If "No", please specify:
- 2) **Primary Function:** Office
Is this an accurate description of the primary use of this property? Yes No

EPA Form 5900-16

Page 1 of 6

Tracking Number: APP-20110420-0001-071759
Generated on: 04/20/2011

- Suite of Reports
 - Data Verification Checklist
 - Statement of Energy Performance
 - Statement of Energy Design Intent
 - Progress & Targets Report
 - ENERGY STAR Scorecard

- Data quality checks
 - Applications for ENERGY STAR certification
 - Expanded list of checks to help you make sure your data is correct
 - Simple display includes
 - What we reviewed
 - Place for you to enter explanation
 - Links for you to edit/correct data if necessary
 - General Review (all properties)
 - Plan to expand to offer similar checks to all buildings
 - Perform this scan to look for data anomalies within your portfolio

- Portfolio Manager data exchange services
 - Automatic electronic transfer of data into and out of Portfolio Manager
 - **Energy information service companies** → supply your meter data and provide ENERGY STAR metrics
 - **Energy products and services companies** → assist with data management and receive ENERGY STAR metrics
 - **Utilities** → upload your utility bill every month

- Goals for upgrading data exchange
 - Modernize the software
 - Allow for instantaneous transactions
 - Simplify the process for communicating with Portfolio Manager
- ***Testing began September 27!***
 - New test servers for sending/receiving data
 - Schema formats finalized and available
 - Starting in June of 2013 – no backward compatibility
 - All data will migrate to the new system
 - Portfolio Manager will only accept the new electronic web services

- Continue to benchmark your buildings today
 - ALL data will transfer to the upgraded tool (including your existing shared buildings)
- Spread the word to your stakeholders – buildings owners, energy service companies, and utility providers.
- Stay involved throughout the process
 - Attend our quarterly webinars
 - Stay tuned for updated EPA support materials for trainers and end users
 - Participate in state/local update calls March– June
 - Visit www.energystar.gov/PMUpgrade

New! ENERGY STAR DataTrends



- New set of analyses on Portfolio Manager data
- Review benchmarking trends
 - Median EUI values
 - Energy savings
 - Key drivers of energy use by building type
 - Distribution of water consumption values
 - Comparisons to national reference
- Although Portfolio Manager is not a random, nationally representative sample, benchmarking data provides a valuable reference representing thousands of real buildings
- www.energystar.gov/DataTrends

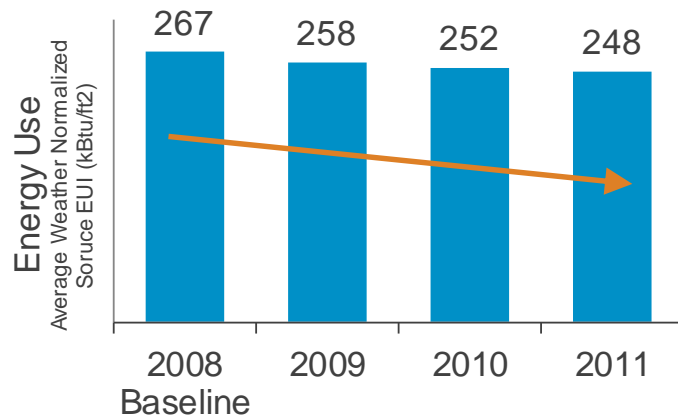
Energy Use Benchmarking



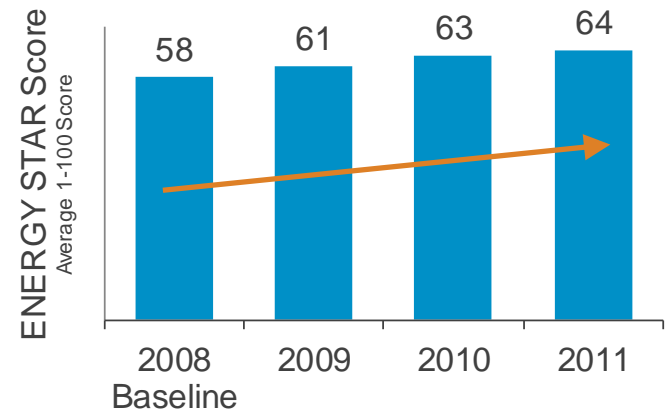
Benchmarking and Energy Savings



- Over 35,000 buildings entered complete energy data for 2008 through 2011, which represents three years of change from a 2008 baseline



7% savings
in Weather Normalized
Source EUI

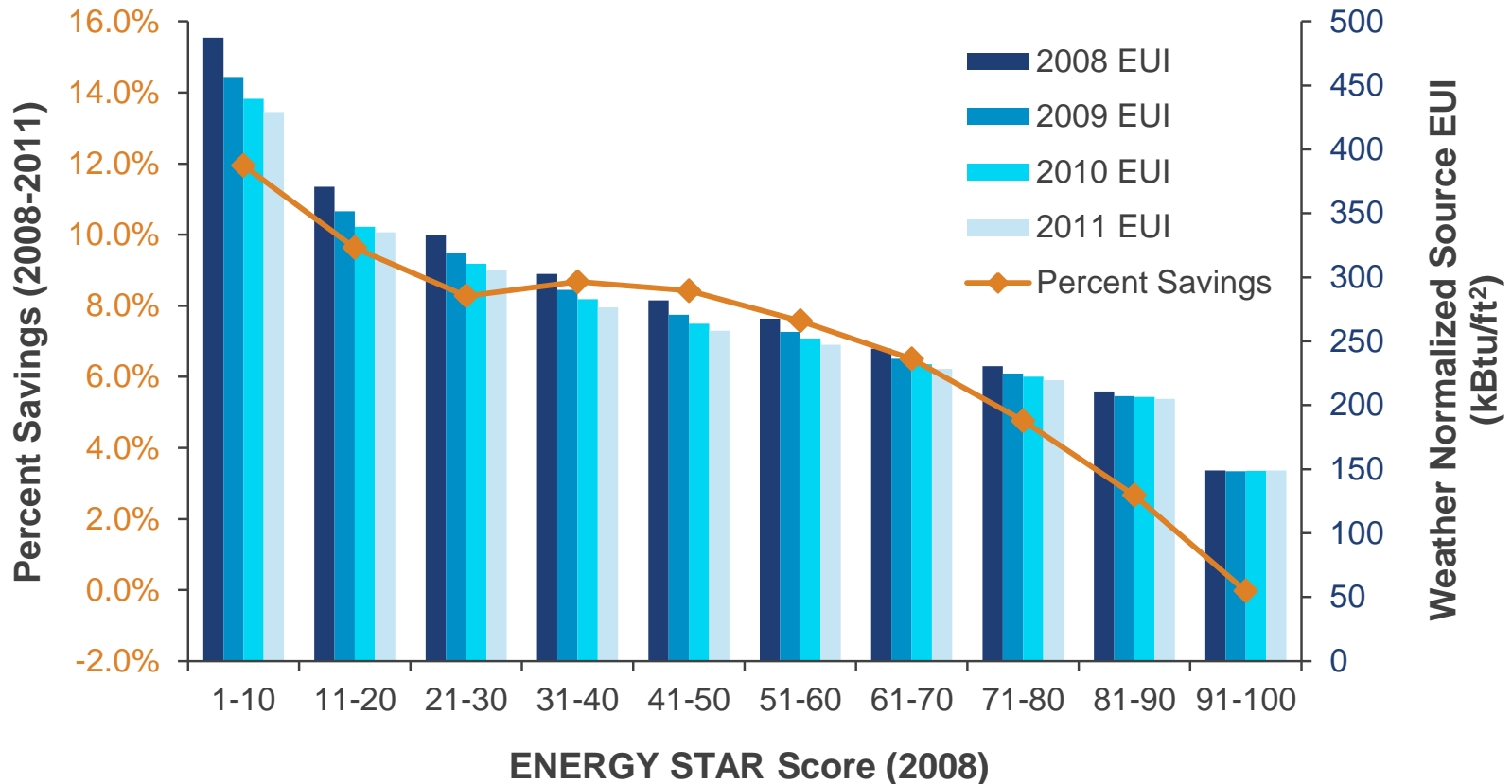


6 point increase
in ENERGY STAR
score

Benchmarking and Energy Savings



- Buildings starting with scores below 50 have saved more than twice the average



Water Use Tracking



- ENERGY STAR is partnering with EPA's WaterSense program to bring water efficiency solutions to the commercial sector
 - Share best practices
 - Promote measurement and tracking
 - Incorporate water into EIA's Commercial Building Energy Consumption Survey (CBECS)
- Portfolio Manager data
 - Over 50,000 buildings of all different types track water consumption
 - About 60% track indoor water use only
 - Others track a combination of indoor and outdoor use



Reference Links

- Portfolio Manager
 - www.energystar.gov/Benchmark
- Portfolio Manager Upgrade
 - www.energystar.gov/PMUpgrade
- Data Trends Analyses
 - www.energystar.gov/DataTrends