
BUILDING PERFORMANCE STANDARDS EPA TECHNICAL ASSISTANCE

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EXISTING TOOLS & RESOURCES: U.S. EPA



- EPA Benchmarking and Building Performance Standards Policy Toolkit: Aims to inform decisionmakers who are exploring policies to reduce energy use and greenhouse gas (GHG) emissions from existing commercial and multifamily buildings
 - Section 1: Building Energy Benchmarking and Transparency
 - Section 2: Building Performance Standards
 - Section 3: State and Local Government Coordination
 - Section 4: Utility Data Access
- EPA Recommended Metrics and Normalization Methods for Use in State and Local Building Performance Standards: Contents include: Recommended metrics for use in a BPS; Recommended methods for normalizing site EUI in a BPS; EPA's next steps; and An alternative normalization approach for buildings eligible to receive a 1-100 ENERGY STAR Score.
- ENERGY STAR® Portfolio Manager® – the keystone reporting and data collection tool
- AVERT, COBRA, ESIST, & the ENERGY STAR Portfolio Manager Building Emissions Calculator – tools for setting goals and estimating impacts
- See here for the full inventory of EPA's tools & resources: EPA Resources for Building Performance Policies





ENERGY STAR®
PortfolioManager®

Benchmarking, Management, and Reporting Tool



Assess whole building **energy** and **water** consumption, plus **waste**



Track green power purchase



Share/report data with others



Track changes in energy, water, **greenhouse gas emissions**, and cost over time



Create custom reports



Apply for **ENERGY STAR** certification, meet **ASHRAE**



ENERGY STAR® PortfolioManager®

Hundreds of metrics, including:



Energy use
Source, site,
weather
normalized,
demand



Water use
Water use intensity,
Water Score
(for Multifamily)



**Waste &
Materials**
Waste intensity,
diversion rate



**I-100
ENERGY
STAR score**



**GHG
emissions**
Indirect,
direct, total,
avoided

BENCHMARKING & BUILDING PERFORMANCE STANDARDS POLICY TOOLKIT

The toolkit aims to inform decisionmakers who are exploring policies to reduce energy use and greenhouse gas (GHG) emissions from existing commercial and multifamily buildings.

- Section 1: Building Energy Benchmarking and Transparency
- Section 2: Building Performance Standards
- Section 3: State and Local Government Coordination: Benchmarking and Building Performance Standards
- Section 4: Data Access: A Fundamental Element for Benchmarking and Building Energy Performance Policies

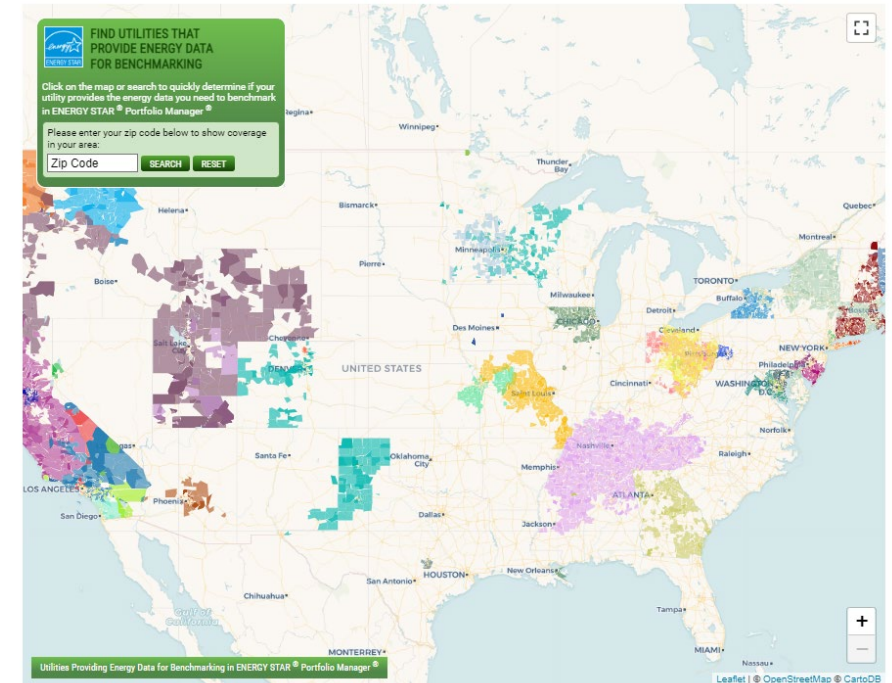


<https://www.epa.gov/statelocalenergy/benchmarking-and-building-performance-standards-policy-toolkit>

TECHNICAL ASSISTANCE: U.S. EPA



- **Advisory support and strategic discussions on policy design**
- **Implementation support** including through use of ENERGY STAR Portfolio Manager
- **Data sharing** – EPA can share anonymized aggregated data with you, including benchmarking activity for your jurisdiction and state or regional performance data
- **Utility data access support** – EPA supports states and municipal utilities looking to ensure access to aggregated data for buildings owners and managers
- **Reviewing draft policies and regulations**
- **Policymaker network** – For years, EPA has convened the network of state and local governments working on building performance policy through sessions and mailings. This engagement creates space for sharing updates and emerging offerings, encouraging best practice sharing, and opening up dialogue.



EPA's experience managing the tool on which all these laws depend—and 30 years of working with building owners—is infused into its technical assistance on BPS.

COMING SOON: U.S. EPA



- **Updated Benchmarking and Building Performance Standards Policy Toolkit**
 - Additional examples of recent policies
 - Equity considerations
 - Emerging topics (manufacturing facilities, single family homes, data quality)
- **Additional Guidance on Metrics and Target Selection**
 - How to determine if normalization is needed for specific property types, and which operating characteristic to use in these cases
 - How to define bins when setting targets based on the level of key operating characteristics, leveraging data and analytic methods used to develop the ENERGY STAR score for various building types
 - Considerations for developing and implementing direct GHG emissions targets and fossil fuel phaseout schedules
 - & more!
- **ENERGY STAR NextGen Building Recognition**
 - Designed to encourage electrification and carbon reductions
 - Proposal to be released this summer for comment
- **AVERT Annual Updates (Spring 2022)**
- **Data verification sample policy language**

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THANK YOU!

