



# EPA support for state initiatives focused on existing buildings



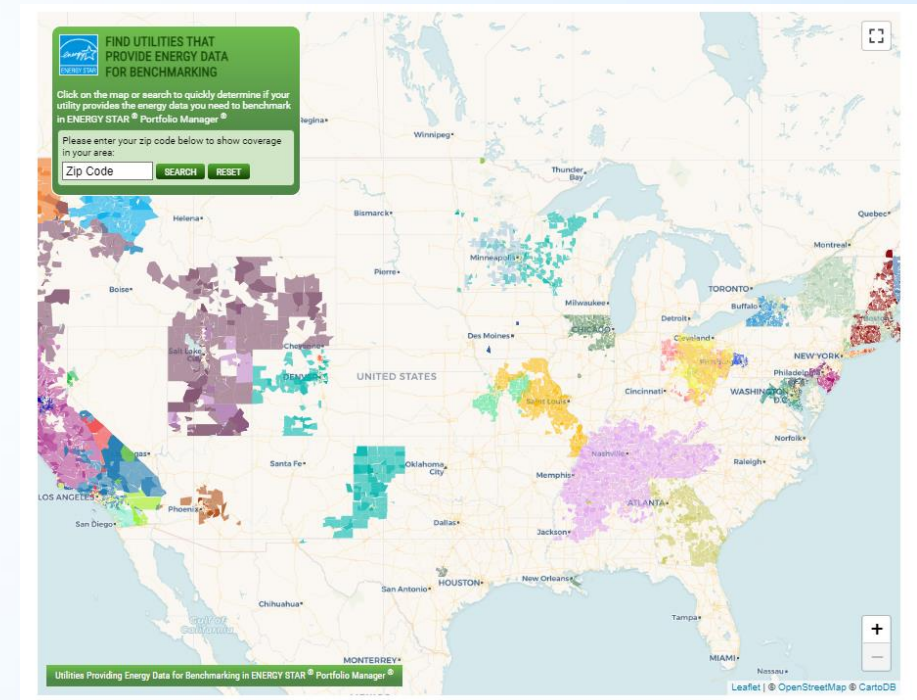
# Types of initiatives

- Leadership by example – benchmarking and improving the energy performance of state-owned buildings
- Statewide utility data access requirement – requiring utilities to provide whole-building data so that buildings with multiple tenants can benchmark
- Voluntary effort, program, or campaign – many possible shapes, but could leverage federal incentives, supporting benchmarking and improvement, possible focus on certain sectors
- Benchmarking requirement – annual reporting for commercial and multifamily buildings above a minimum size
- Building performance standards – requiring buildings to hit specified levels of energy or greenhouse gas emissions performance

# EPA support – Technical assistance

- Advisory support and strategic discussions on program and policy design
- Implementation support including on using ENERGY STAR Portfolio Manager for collecting data and metrics
- Data sharing – EPA can share anonymized aggregated data with you, including benchmarking activity for your jurisdiction
- Utility data access support – EPA supports jurisdictions and utilities looking to ensure access to aggregated data for buildings owners and managers
- Reviewing draft program plans, policies, and regulations
- EPA Building Performance Policy Network

Utilities That Provide Energy Data for Benchmarking



# EPA support – Tools and resources



- [EPA Benchmarking and Building Performance Standards Policy Toolkit](#): Aims to inform decisionmakers who are exploring policies to reduce energy use and greenhouse gas emissions from existing commercial and multifamily buildings
- [EPA Recommended Metrics and Normalization Methods for Use in State and Local Building Performance Standards](#): Contents: Recommended metrics for BPS; Recommended methods for normalizing site EUI; statement on net energy metrics
- [White Paper: Understanding and Choosing Metrics for Building Performance Standards](#): Provides a framework and supporting analysis for understanding the key differences among performance metrics.
- [ENERGY STAR® Portfolio Manager®](#) – the keystone reporting and data collection tool that includes a wealth of live and recorded trainings as well as help desk support
- [AVERT](#), [COBRA](#), [ESIST](#), & the [ENERGY STAR Portfolio Manager Building Emissions Calculator](#) – tools for setting goals and estimating impacts

U.S. DEPARTMENT OF  
**ENERGY**

Office of  
**ENERGY EFFICIENCY &  
RENEWABLE ENERGY**

# US DOE Resources for Existing Buildings

Presented by Billierae Engelman

NASEO Building Committees Call February 21, 2023



# US DOE Building Technologies Office

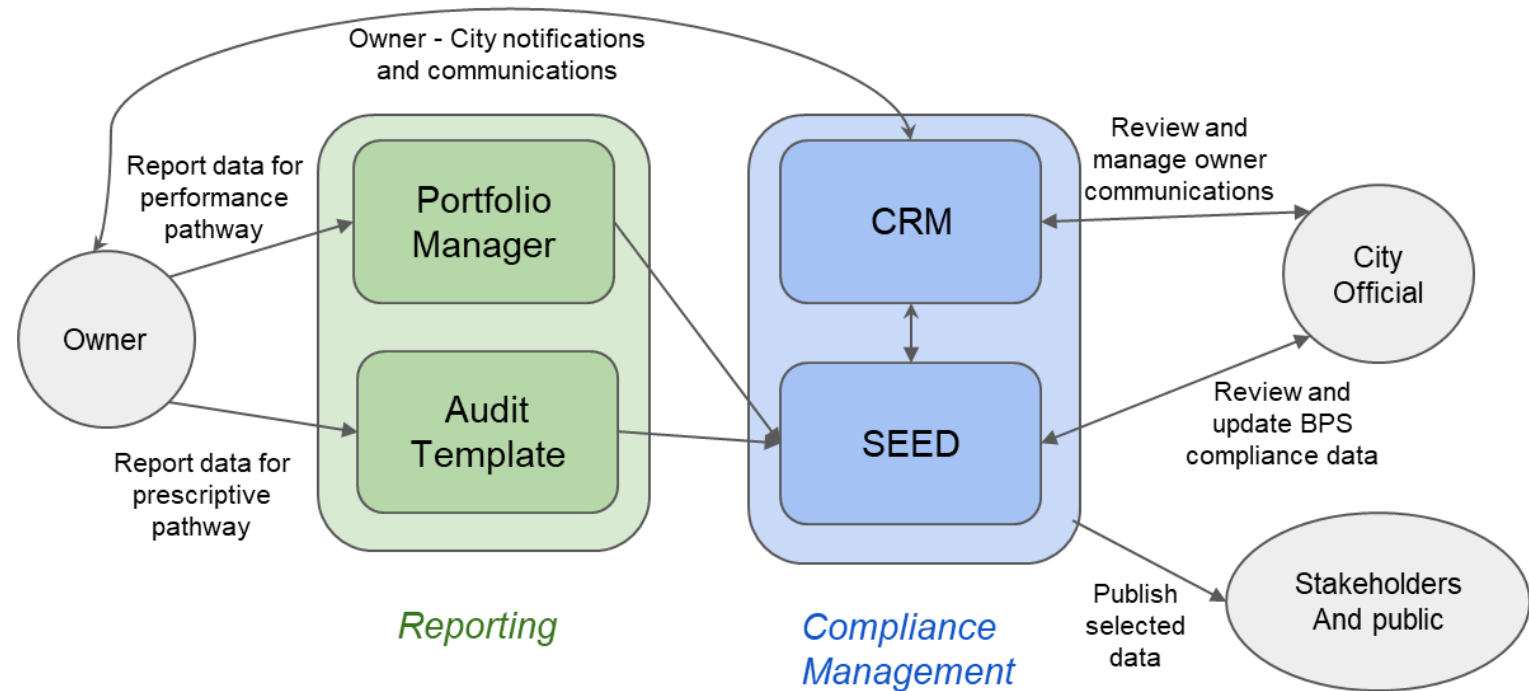


# Implementation Tools

## Software

Data  
Collection &  
Compliance

Tracking &  
Sharing  
Progress



# Additional Resources

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- [Building Performance Standards](#)
  - Federal Technical Assistance network
  - Policy design and implementation resources, guides, best practices
  - [ASHRAE Building Performance Standards Technical Resource Guide](#)
- [Better Buildings Initiative](#)
  - Resources, best practices, tools to support innovation in residential, commercial, and industrial building sectors
- [Buildings Up! The Building Upgrade Prize](#)
  - Supporting actionable and scalable solutions to advance energy efficiency and electrification in existing US buildings (residential and commercial)



# Thank you!



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