

Scaling Energy Benchmarking Policies

A Peek into California's New Benchmarking Program

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Our Mission:

Accelerate the transition
to a sustainable world
powered by clean energy

California Sets Ambitious Energy Goals

- **AB 758 (2009)**
 - Requires the Energy Commission (CEC), in collaboration with the California Public Utilities Commission (CPUC) and stakeholders, to develop a comprehensive program to achieve greater energy efficiency in the state's **existing buildings**.
- **SB 350 (2015)**
 - Increases California's renewable electricity procurement goal from 33 percent by 2020 to 50 percent by 2030.
 - Requires the state to **double statewide energy efficiency savings** in electricity and natural gas end uses by 2030.
- **SB 32 (2016)**
 - Requires the state to cut emissions at least 40 percent below 1990 levels by 2030.

Tracking Building Performance through Benchmarking

- “Today **buildings account for 40 percent of the total energy used in the U.S.** This amounts to roughly \$450 billion spent on energy bills each year, and the direct and indirect greenhouse gas emissions associated with this energy use comprise approximately 40 percent of the nation’s total output.” (The Benefits of Benchmarking Building Performance, 2015)
- **City and state governments are leading** on sustainability by creating robust climate action plans.
- With buildings using a significant portion of energy and water resources, **cities and states need to be able to measure, track, and improve building performance.**

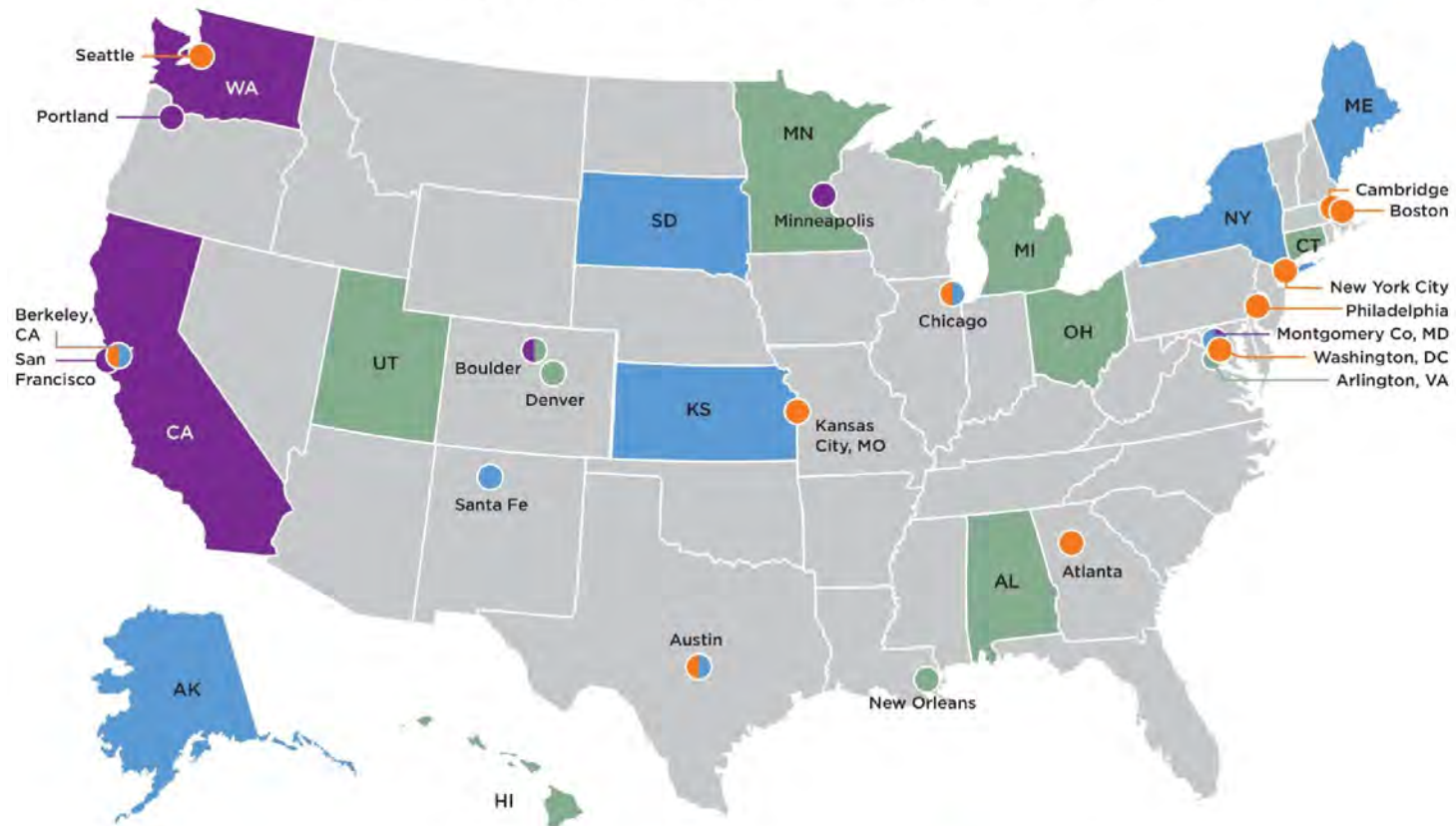
Source: [The Benefits of Benchmarking Building Performance](#)

Markets Need Information to Value Energy Efficiency



Benchmarking and Transparency Policy Adoption

U.S. Building Benchmarking and Transparency Policies



- Commercial policy adopted
- Commercial & multifamily policy adopted
- Public buildings benchmarked
- Single-family transparency adopted

California Creates Statewide Benchmarking Program

- Assembly Bill (AB) 802 (Williams) was signed into law in October 2015.
- Requires utilities to provide monthly, whole-building utility information to commercial and multifamily building owners upon request.
- Requires the California Energy Commission (CEC) to create a statewide benchmarking program for commercial and multifamily buildings (over 50,000 sq. ft.)

California Recognizes the Importance of Data Access

“Building owners should have access to their buildings’ energy usage information, which enables understanding of a building’s energy usage for improved building management and investment decisions.”

-AB 802, Section 1

Source: [Assembly Bill No. 802 Text](#)

Regulatory and Program Development

- Regulations are in development by the California Energy Commission (CEC)
 - Rulemaking 15-OIR-05
 - Past Workshops:
 - November 10, 2015
 - March 25, 2016
 - July 22, 2016
- California Benchmarking Collaborative
 - Cross-sector team of local governments, energy and environmental non-profits, affordable housing advocates, commercial real estate leaders, and industry associations.
 - Working together to support a strong statewide data access rollout and benchmarking program.

Collaboration is Mission Critical to Success

Industry Leaders



National Initiatives



CA Working Groups



Federal Tools and Teams



Proposed Timeline for Benchmarking Program

January 1, 2017: Utilities begin to provide data upon request

[Statutorily required]

April 1, 2018: Commercial reporting to the CEC begins

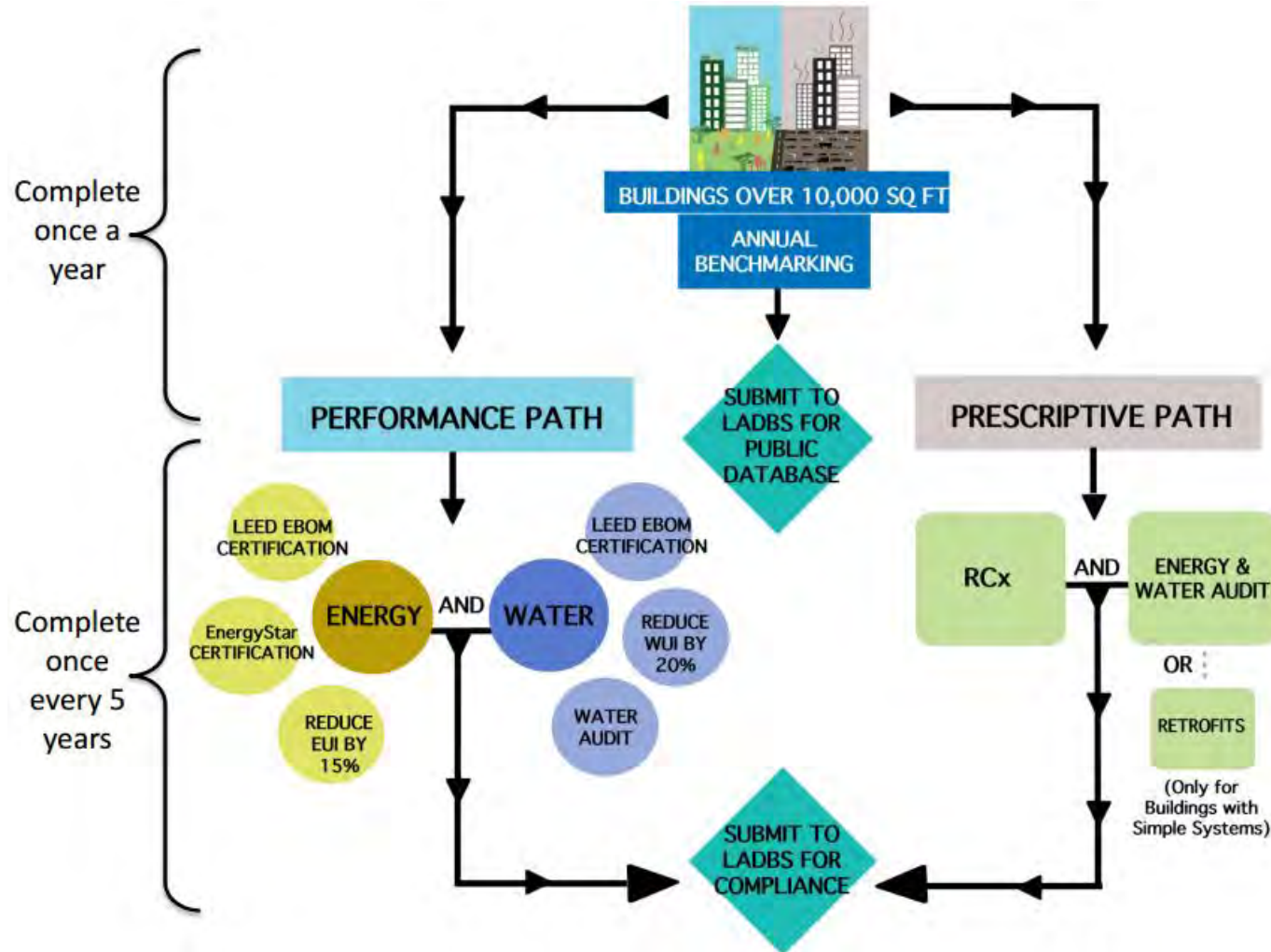
April 1, 2019: Multifamily reporting to CEC begins

September 1, 2019: Commercial data publicly disclosed

September 1, 2020: Multifamily data publicly disclosed

Source: [AB 802 Draft Regulations Initial Staff Proposal July 22 2016 Workshop](#)

Local Building Performance Policies in California



Source: [Final Workshop Developing an Energy & Water Efficiency Program for LA's Existing Buildings](#)

Thank You

Thank you!
For any further questions,
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We work nationally in the clean energy industry and are always open to exploring partnership opportunities.