California Energy Commission

Back to Basics – Benchmarking as a Foundational Policy

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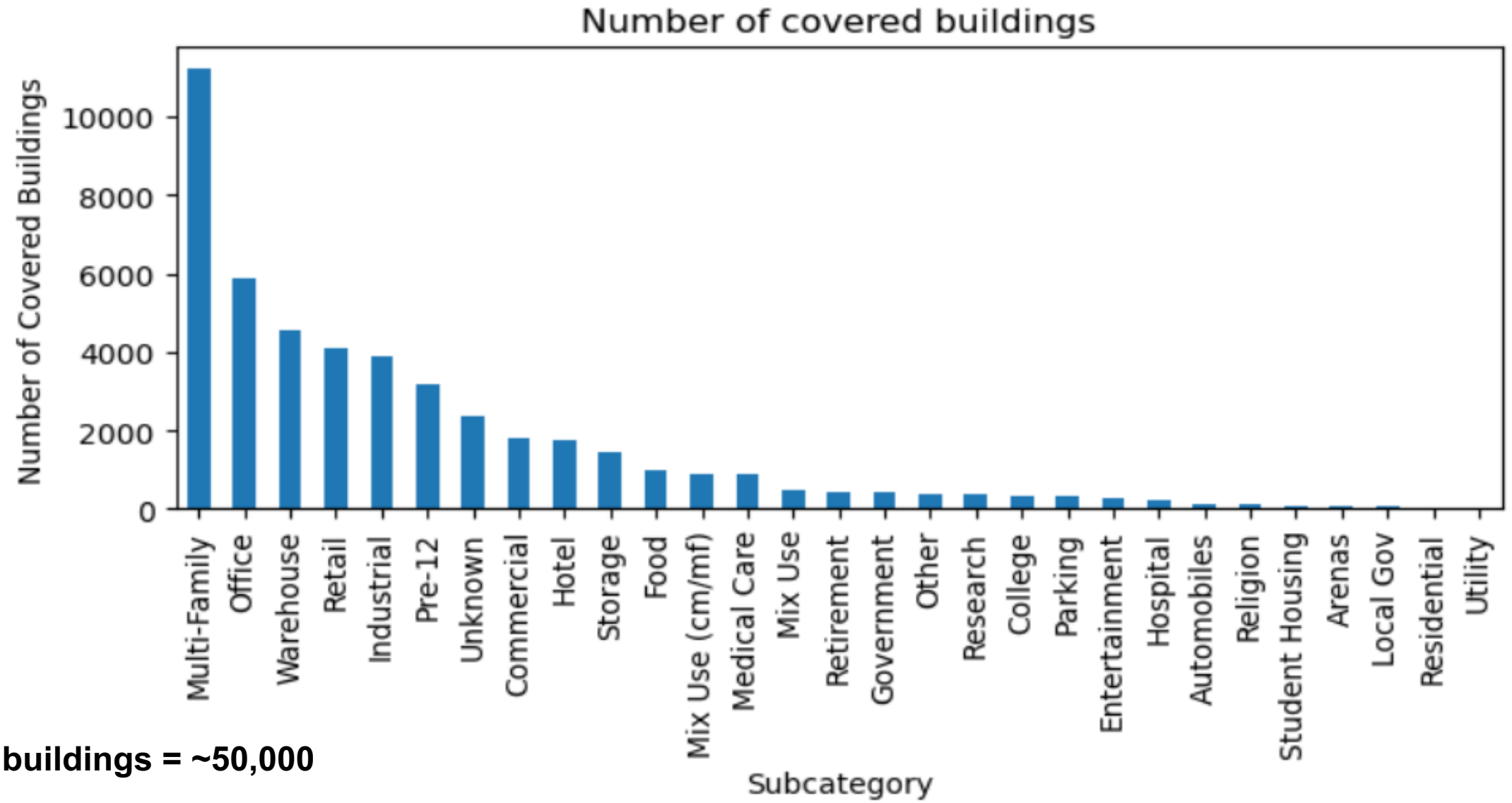
Presentation Outline:

1) Overview of AB 802 (energy benchmarking program)
2) Benefits of Benchmarking
3) Building Performance Policies

AB 802 – Statewide Energy Benchmarking Program

- AB 802 requires **commercial buildings >50,000 ft^2** and **multifamily buildings >50,000 ft^2 and 17 or more units** to annually report **energy use** to CEC
- Data is submitted by **June 1** every year, since 2018
- All reporting is done through the US EPA's ENERGY STAR Portfolio Manager®
- Requires monthly energy use and key operational building details

Building Subcategory Breakdown



Total buildings = ~50,000

Benefits of Benchmarking

- Calculates key energy performance metrics
- Data for future building performance policies – “you can’t manage what you don’t measure”
- Identify opportunities for savings
- Informs lease/purchase decisions
- **Helps calibrate and track modeled energy savings**

Public Disclosure Dashboard

- Data can be accessed from CEC benchmarking website
- Users can go to interactive dashboard or download data directly

PUBLIC DISCLOSURE DASHBOARD

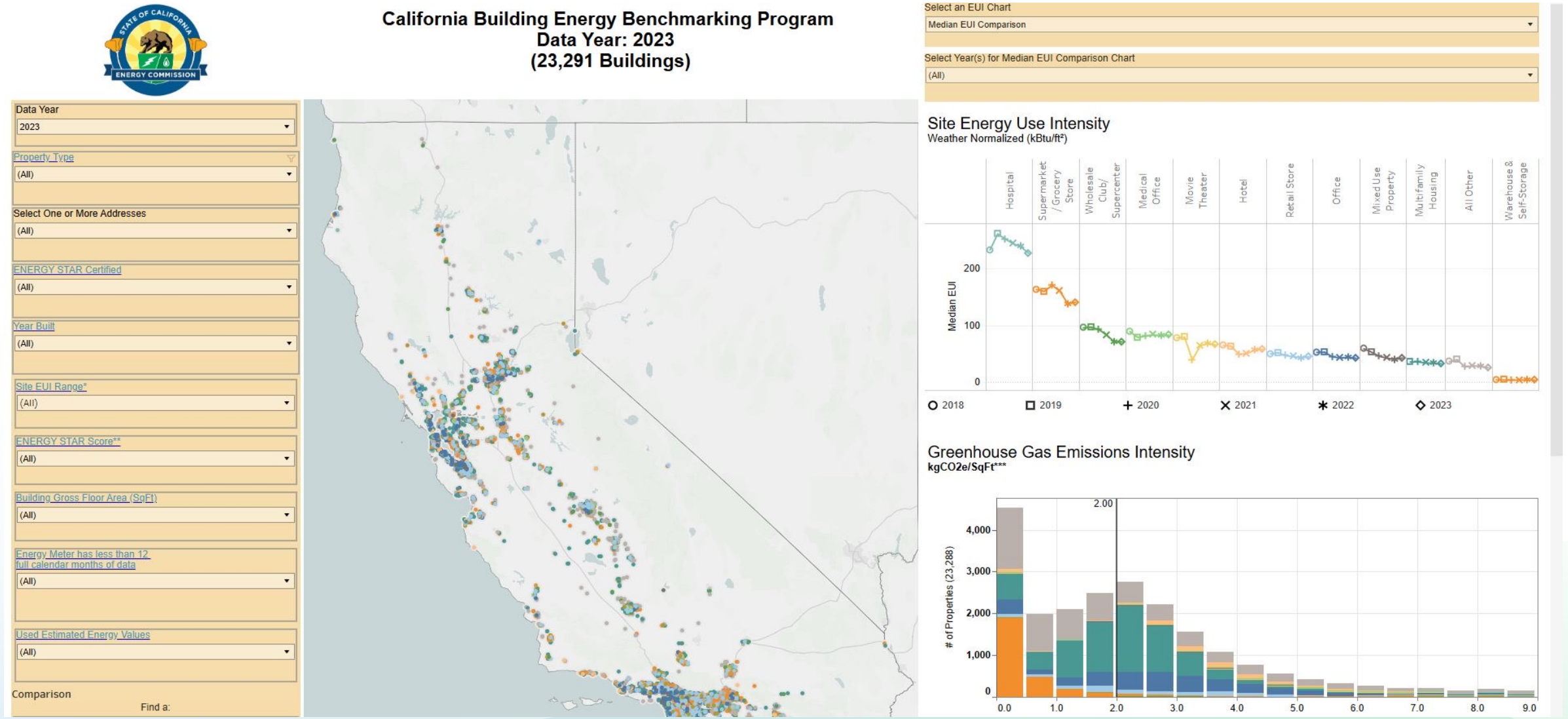
View, search, and download energy performance information for commercial and multifamily buildings.

PUBLIC DISCLOSURE DASHBOARD >

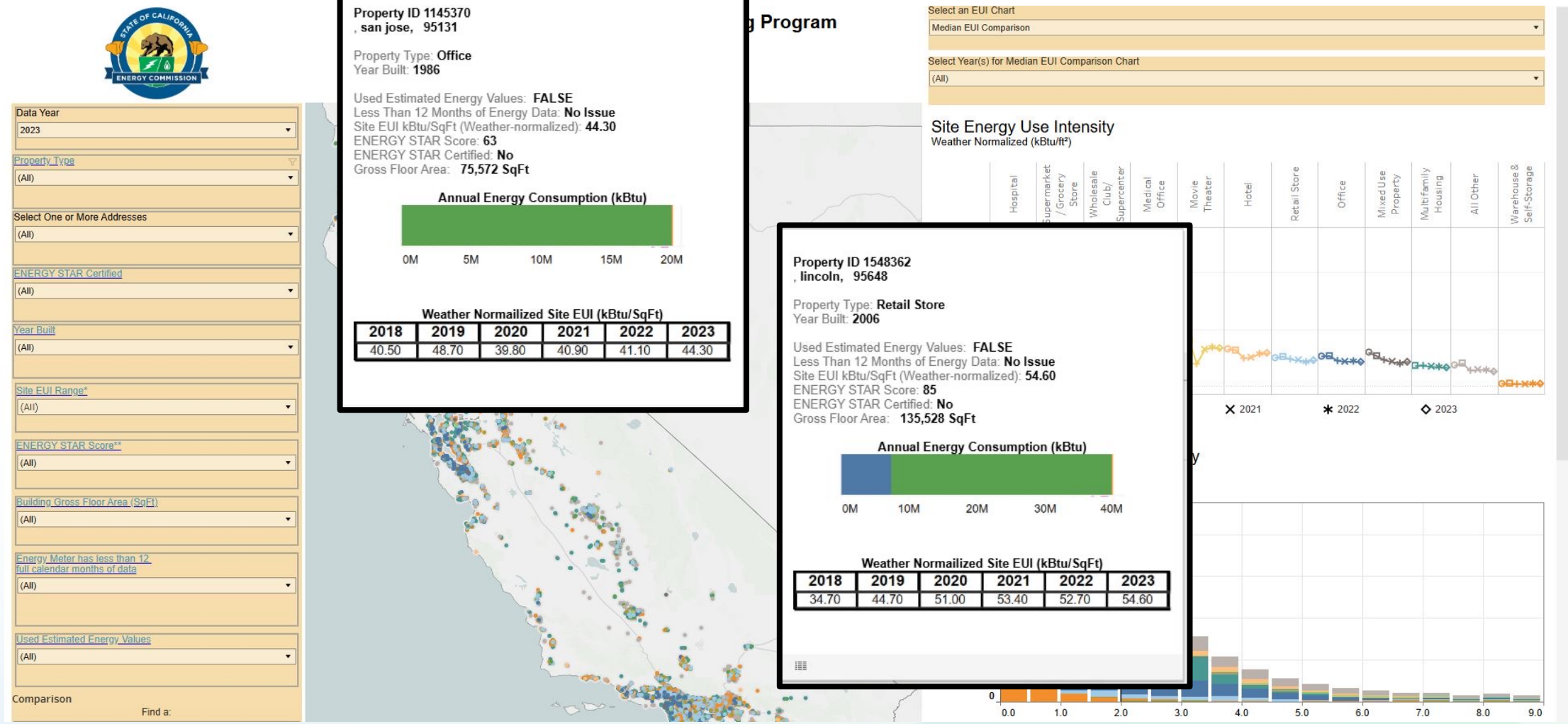
DASHBOARD DEMONSTRATION VIDEO – YOUTUBE >

- Download submitted 2023 benchmarking information
- Download submitted 2022 benchmarking information
- Download submitted 2021 benchmarking information
- Download submitted 2020 benchmarking information

Public Disclosure Dashboard



Explore Building-level Data



SB 48 Strategy & Recommendations

Building Energy Performance Strategy Report and Recommendations

✓ Submit to Legislature before August 1, 2026

✓ Include recommendations for further legislative action

SB 48 Requires CEC Staff to "…*develop a strategy for using benchmarking data to track and manage the energy usage and emissions of greenhouse gases of covered buildings in order to achieve the state's goals, targets, and standards*…"

Building Performance Standards (BPS)

Building Performance Standards require energy performance improvements by set deadlines to drive efficiency and decarbonization in the built environment.

- Most BPS policies:
  - Apply to existing large buildings
  - Have defined reporting and performance deadlines
  - Are outcome based
  - Measure whole building performance improvements
  - Require continued and maintained improvement
  - Have consequences for failure to meet performance targets
- Many BPS policies also:
  - Have long term certainty for building owners
  - Are locally tailored
  - Are flexible and equitable

Looking Forward

- Increase submission rates
- More data quality reviews
- Evaluate building performance by property type
- Compare real building performance to models (when available)
- Add data fields to support future modeling efforts

Thank You!

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Efficiency Division, Existing Buildings Branch