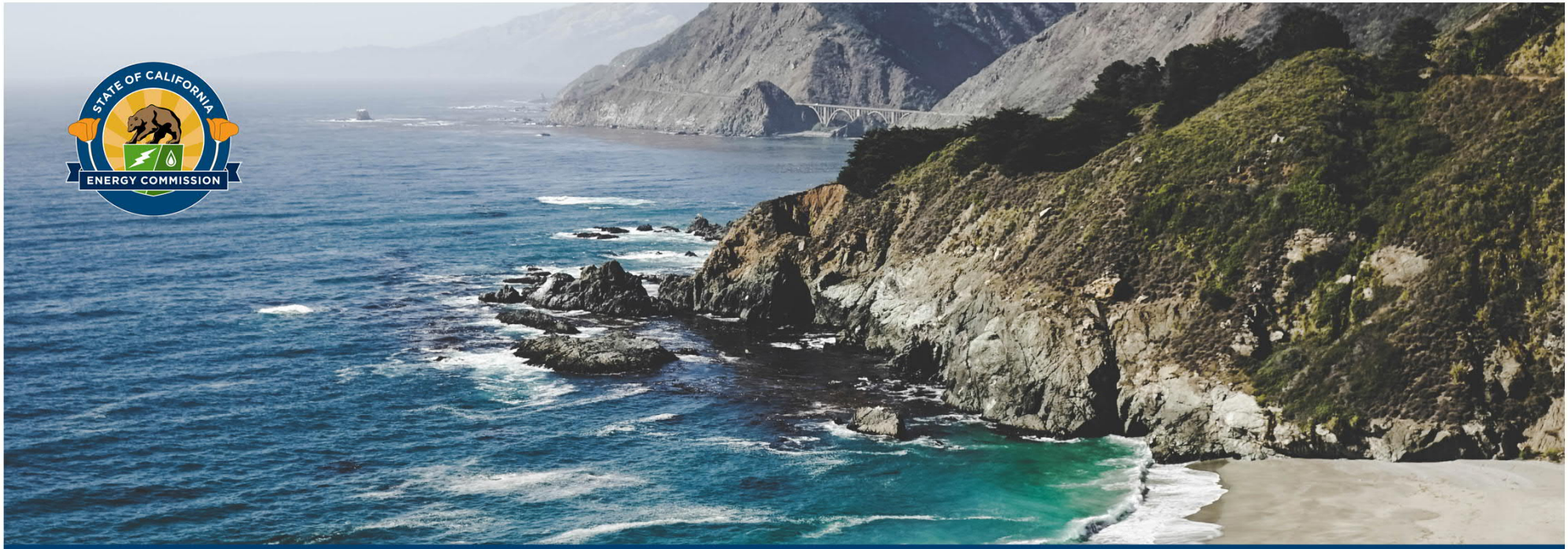
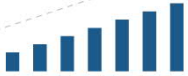


California's Building Energy Benchmarking Program

Moving California to 100% Clean Energy

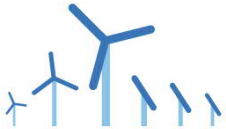
PRIMARY FUNCTIONS OF THE

CALIFORNIA ENERGY COMMISSION



Advancing State Energy Policy

Investing in Energy Innovation



Developing Renewable Energy

Preparing for Energy Emergencies

Achieving Energy Efficiency

Transforming Transportation

Overseeing Energy Infrastructure

Intergovernmental Collaboration

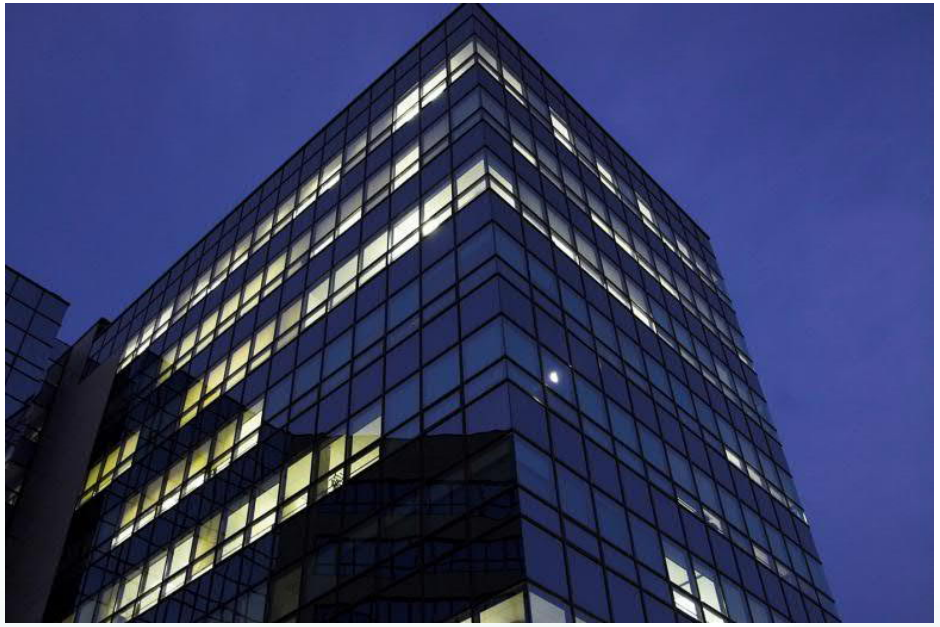
Contents

1. Benchmarking Overview
2. Program Information
3. Building Exemptions
4. Energy Use Data
5. Exempt Benchmarking Programs
6. Benchmarking Dashboard
7. Next Steps
8. Resources

Benchmarking Overview

What is Energy Benchmarking?

The process of measuring, tracking, and comparing a building's energy consumption against past performance and to similar buildings.



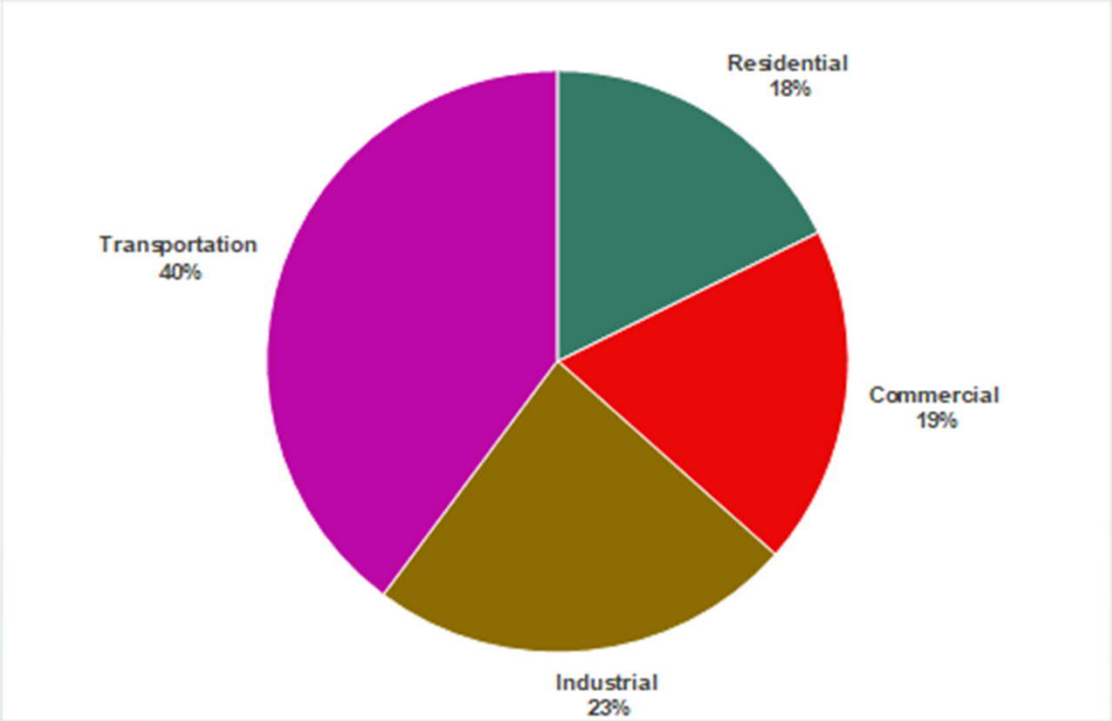
Benchmarking Overview

Why Benchmark?

- Benchmarking Is Required By Law
- Environmental Benefits
- Building Owner Benefits
- Tenant Benefits

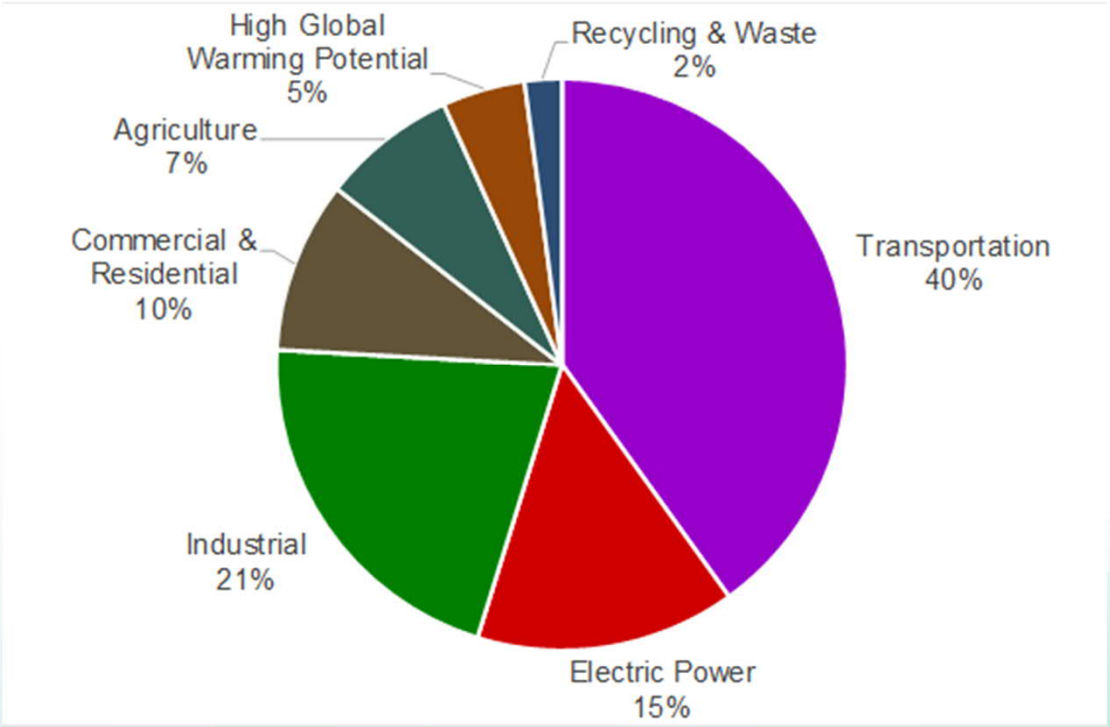
2019 California Energy Efficiency Action Plan

Statewide Energy Consumption by Sector, 2016

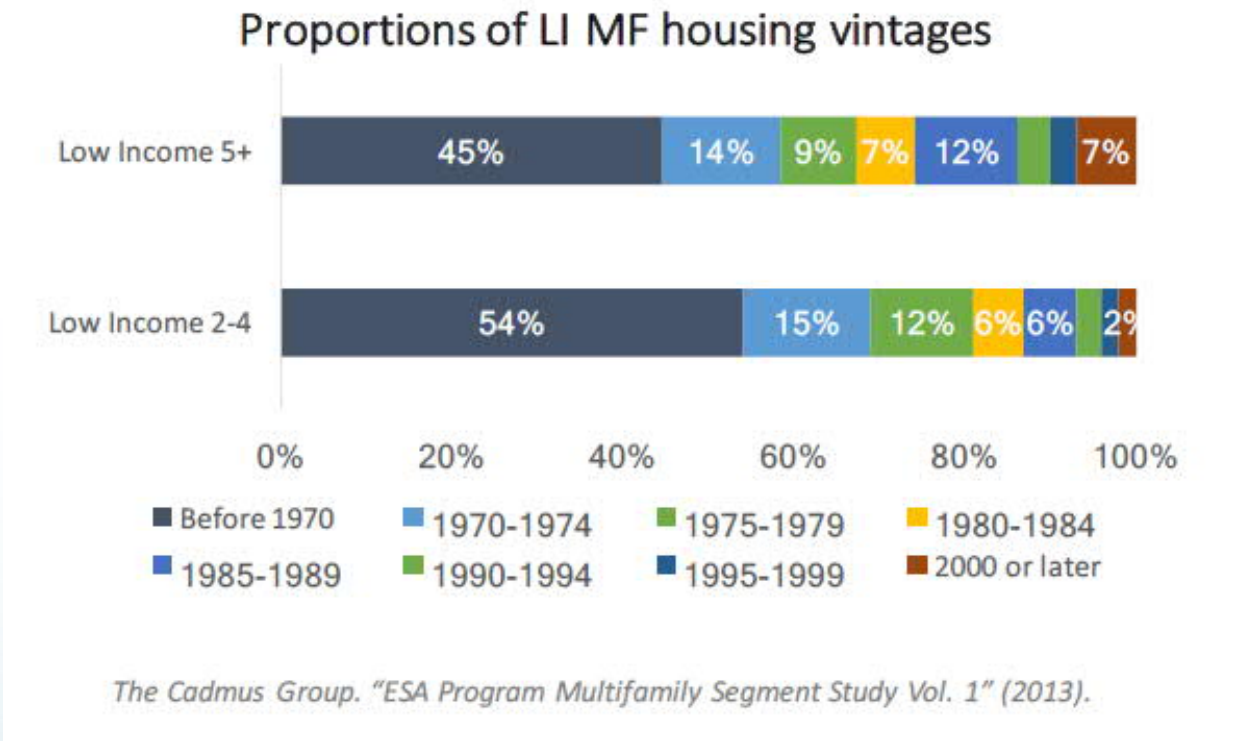


2019 California Energy Efficiency Action Plan

GHG Emissions by Sector, 2017



Building Owners and Tenants



The Cadmus Group. "ESA Program Multifamily Segment Study Vol. 1" (2013).

Program Information

Who is required to comply?

Owners of large commercial and multifamily buildings

Reporting deadline

June 1 annually

Program Information

Disclosable Buildings

- More than 50,000 ft² and either:
  1. No active residential utility accounts, or
  2. 17 or more active residential utility accounts

- Does not include:
  - Condominiums
  - A building in which more than half of the floor area is used for:
    1. scientific experiments requiring controlled environments.
    2. Manufacturing or industrial purposes.

Building Exemptions

1. No certificate of occupancy for more than half of the calendar year being reported.

2. Demolition is scheduled one year or less from the reporting date.

3. The building was benchmarked under an exempt program listed on the CEC's benchmarking page.

Energy Use Data

What energy types are included?

Electricity, natural gas, steam, and fuel oil.

How do I obtain energy use data?

Request it from the utility, which may have a specific benchmarking portal for this purpose. Utilities are required to provide building-level energy use data upon request.

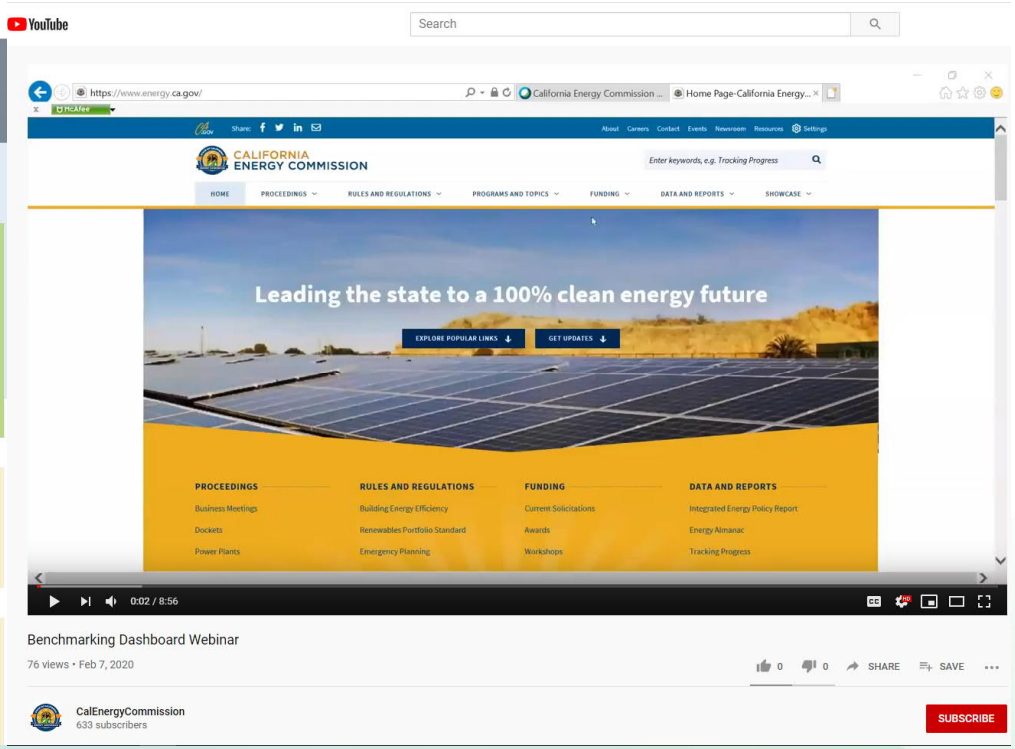
Exempt Benchmarking Programs

- Berkeley
- Brisbane
- Los Angeles
- San Diego
- San Francisco
- San Jose

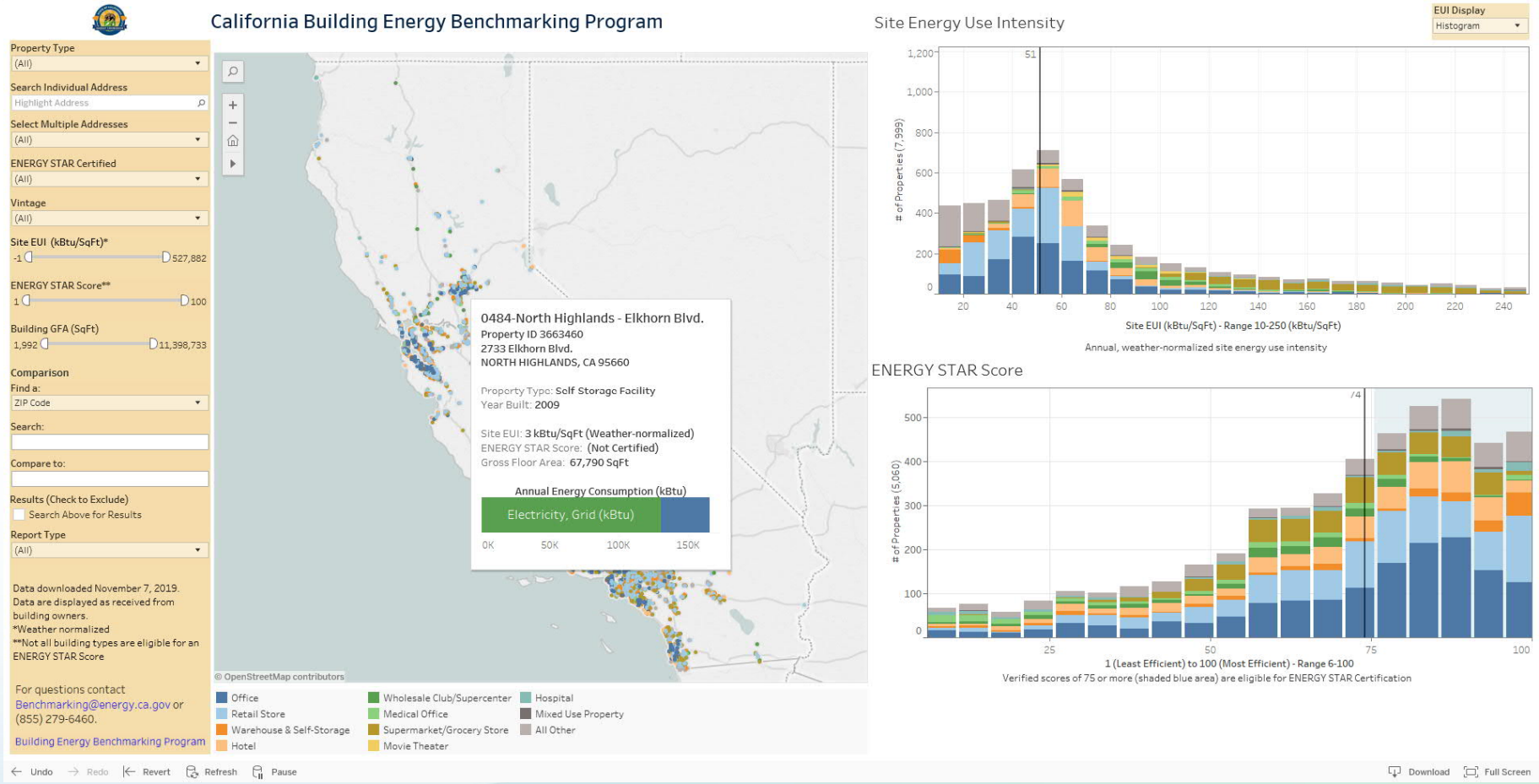
Benchmarking Dashboard

Locating the Dashboard

Demonstration Video



Benchmarking Dashboard



Next Steps

1. Commercial and multifamily building owner toolkits.
2. Local government toolkit.
3. Expanding local government partnerships.
4. Adding multifamily building data to the dashboard and exploring equity opportunities and connections.

Resources

Want more information?

Visit the CEC's benchmarking page.

Contact

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Benchmarking Hotline | 855-279-6460 or Benchmarking@energy.ca.gov.