

California's Building Energy Benchmarking Program

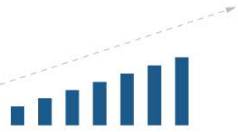
A wide-angle, low-perspective shot of a vast solar farm. The rows of blue photovoltaic panels stretch far into the distance, creating a strong sense of depth and perspective. The sky above is a clear, vibrant blue with a few wispy clouds near the horizon. The overall scene is bright and clean, symbolizing renewable energy.

THE CALIFORNIA ENERGY COMMISSION

Moving California to 100% Clean Energy



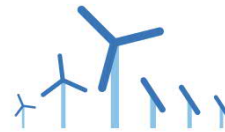
PRIMARY FUNCTIONS OF THE CALIFORNIA ENERGY COMMISSION



**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**



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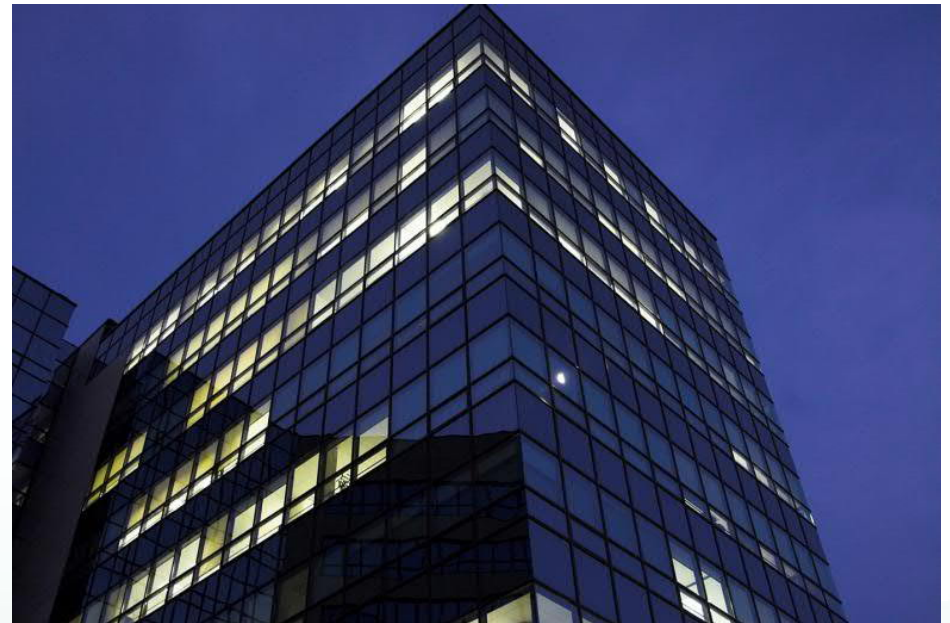
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Benchmarking Overview

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

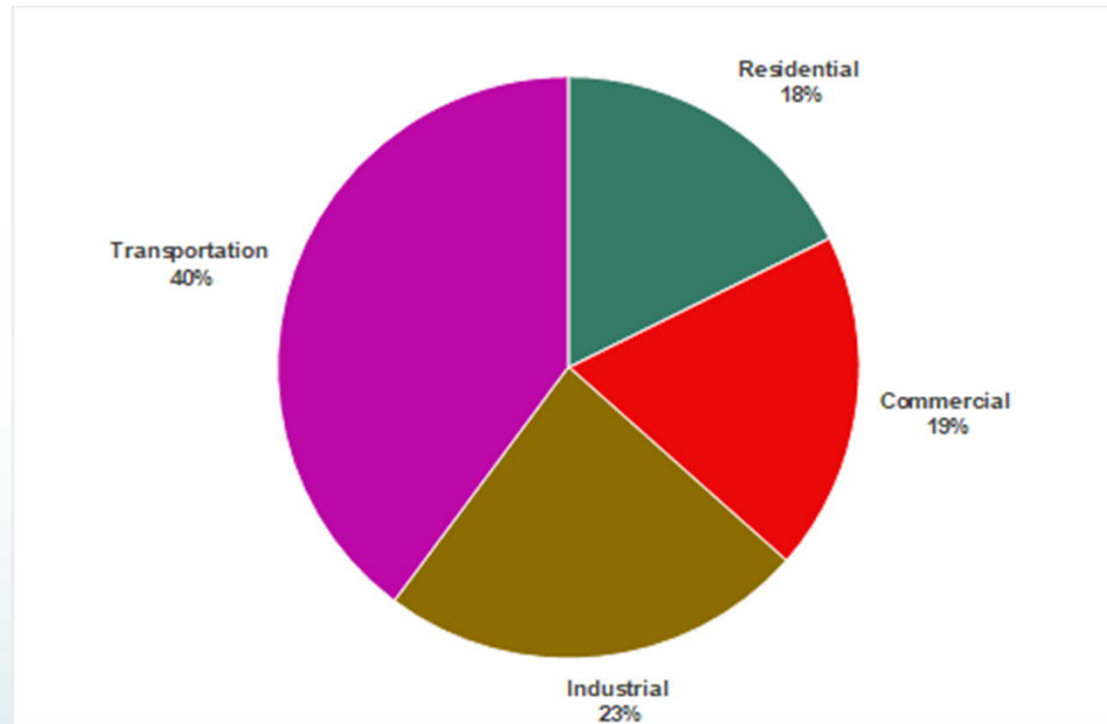
Why Benchmark?

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



2019 California Energy Efficiency Action Plan

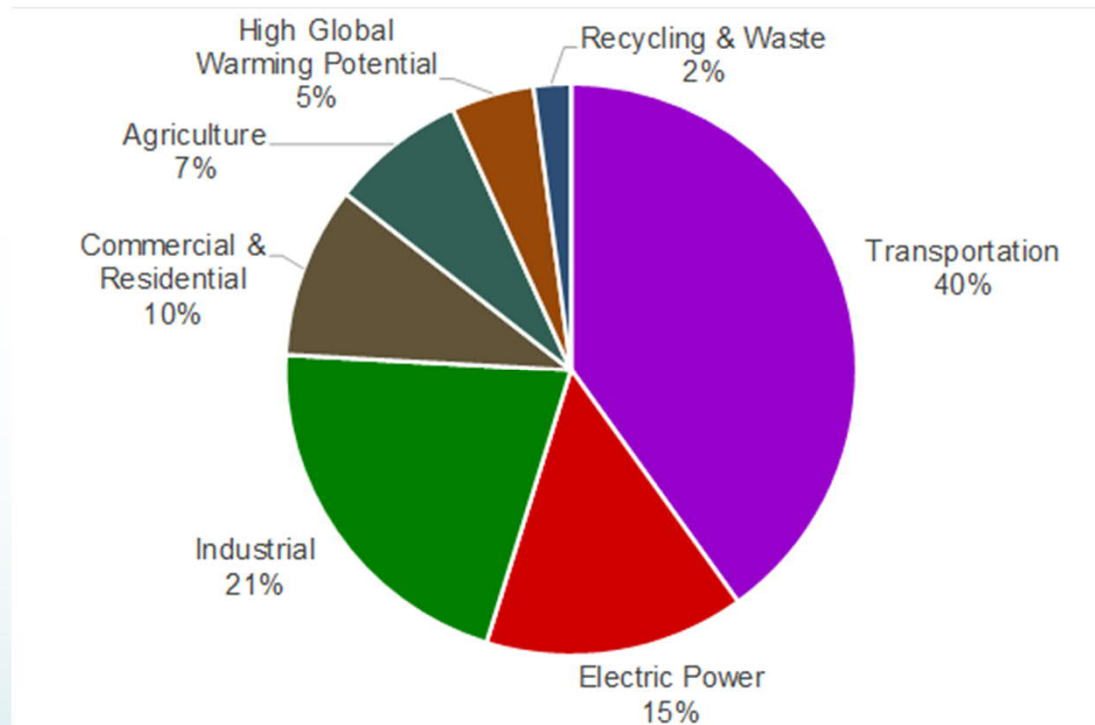
Statewide Energy Consumption by Sector, 2016





2019 California Energy Efficiency Action Plan

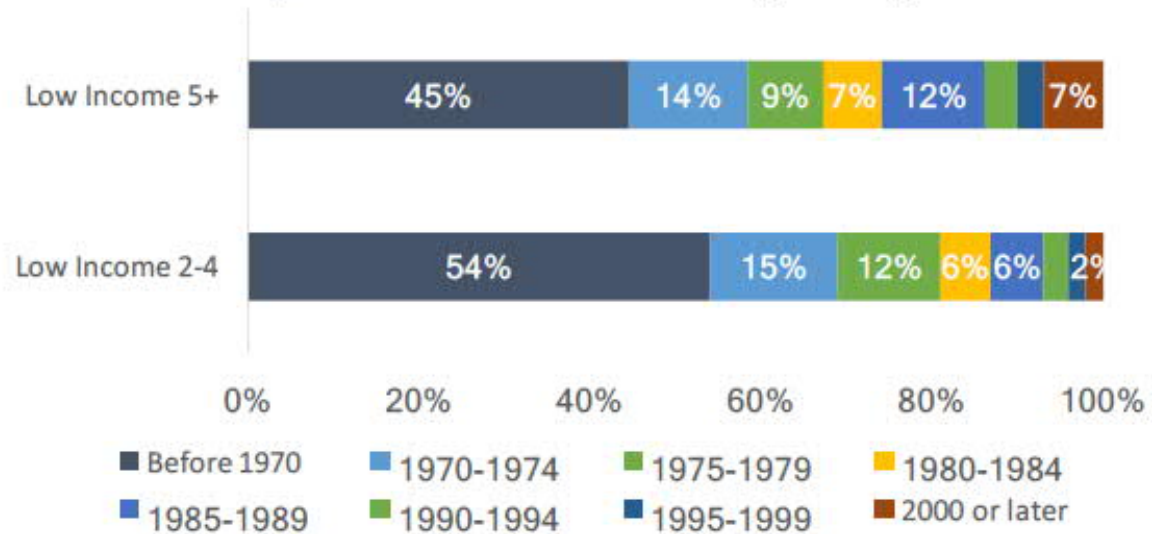
GHG Emissions by Sector, 2017





Building Owners and Tenants

Proportions of LI MF housing vintages



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

https://www.energy.ca.gov/programs-and-topics/programs/building-energy-bench... Building Energy Benchmark...



Building Energy Benchmarking Program

The Building Energy Benchmarking Program requires owners of large commercial and multifamily buildings to report energy use to the California Energy Commission by June 1 annually. Data to better understand energy use in commercial properties is available on the Public Disclosure Dashboard. Data for multifamily buildings will be released fall 2020.

BUILDING ENERGY BENCHMARKING PROGRAM

- Building Energy Benchmarking Program
- Frequently Asked Questions
- Exempted Local Benchmarking Ordinances

CONTACT

[Benchmarking Hotline](#)

855-279-6460

SUBSCRIBE

Benchmarking

First Name *

Public Disclosure Dashboard



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

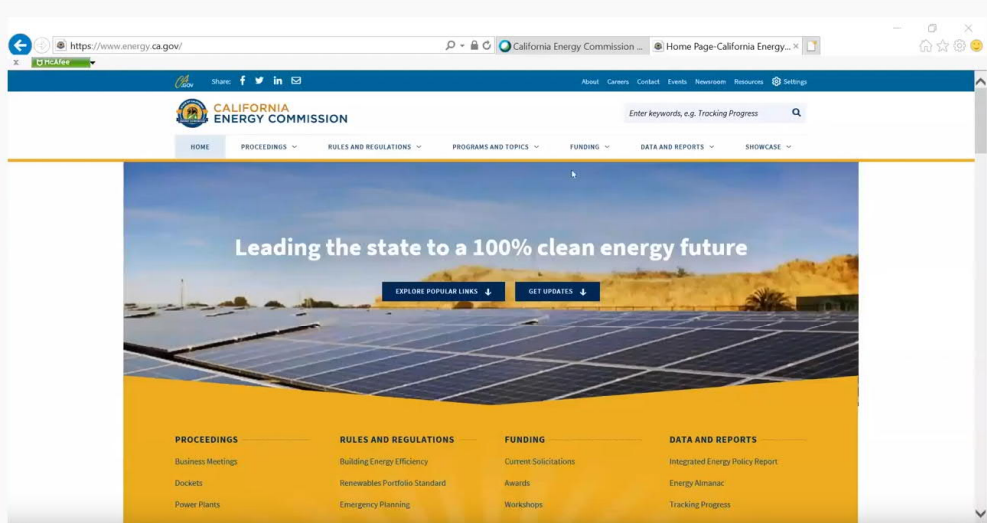
[PUBLIC DISCLOSURE DASHBOARD >](#)

[DEMONSTRATION OF THE DASHBOARD - YOUTUBE >](#)

YouTube

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https://www.energy.ca.gov/ California Energy Commission ... Home Page-California Energy...



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Power Plants	Emergency Planning	Workshops	Tracking Progress

Benchmarking Dashboard Webinar

76 views · Feb 7, 2020

CalEnergyCommission 633 subscribers

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Benchmarking Dashboard



California Building Energy Benchmarking Program

Property Type
(All)

Search Individual Address
Highlight Address

Select Multiple Addresses
(All)

ENERGY STAR Certified
(All)

Vintage
(All)

Site EUI (kBtu/SqFt)*
-1 | 527,882

ENERGY STAR Score**
1 | 100

Building GFA (SqFt)
1,992 | 11,398,733

Comparison
Find a:
ZIP Code

Search:

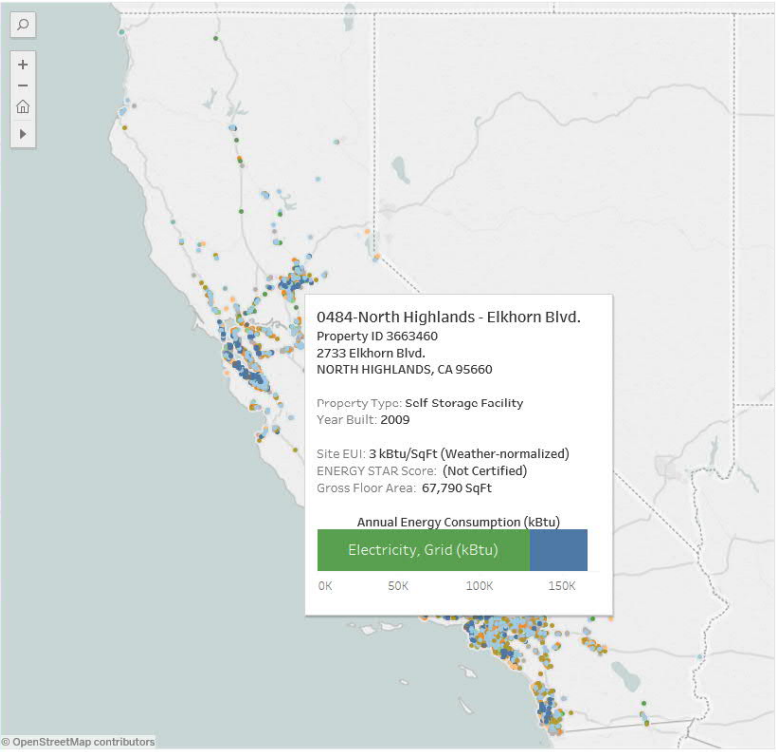
Compare to:

Results (Check to Exclude)
 Search Above for Results

Report Type
(All)

Data downloaded November 7, 2019.
Data are displayed as received from building owners.
*Weather normalized
**Not all building types are eligible for an ENERGY STAR Score

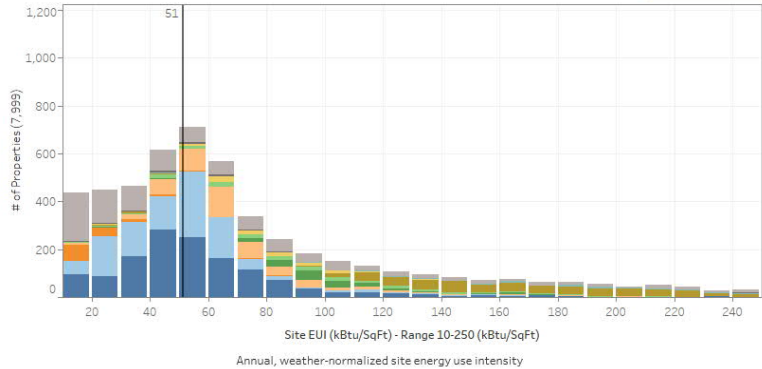
For questions contact
benchmarking@energy.ca.gov or
(855) 279-6460.
Building Energy Benchmarking Program



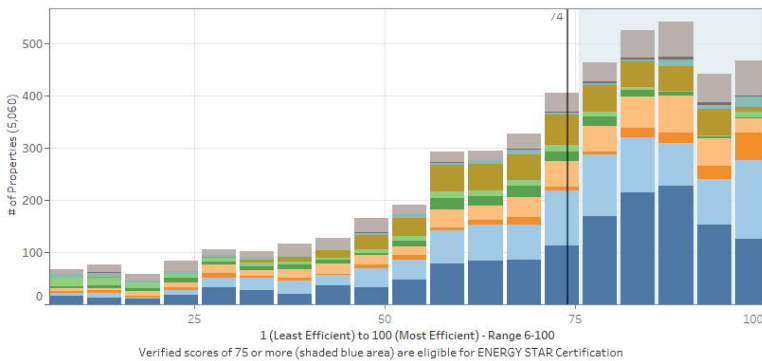
- © OpenStreetMap contributors
- Office
 - Retail Store
 - Warehouse & Self-Storage
 - Hotel
 - Wholesale Club/Supercenter
 - Medical Office
 - Supermarket/Grocery Store
 - Movie Theater
 - Hospital
 - Mixed Use Property
 - All Other

Site Energy Use Intensity

EUI Display
Histogram



ENERGY STAR Score



Undo Redo Revert Refresh Pause

Download Full Screen



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.