

Berkeley's Building Energy Savings Ordinance (BESO) BayREN Q2 Forum



Berkeley's Climate Commitments



BERKELEY Resilience Strategy

A plan to advance preparedness and equity in Berkeley, a community known for inclusiveness and innovation

Access this report online at: www.CityofBerkeley.info/sustainable

Climate Action Plan

100% Renewable Electricity





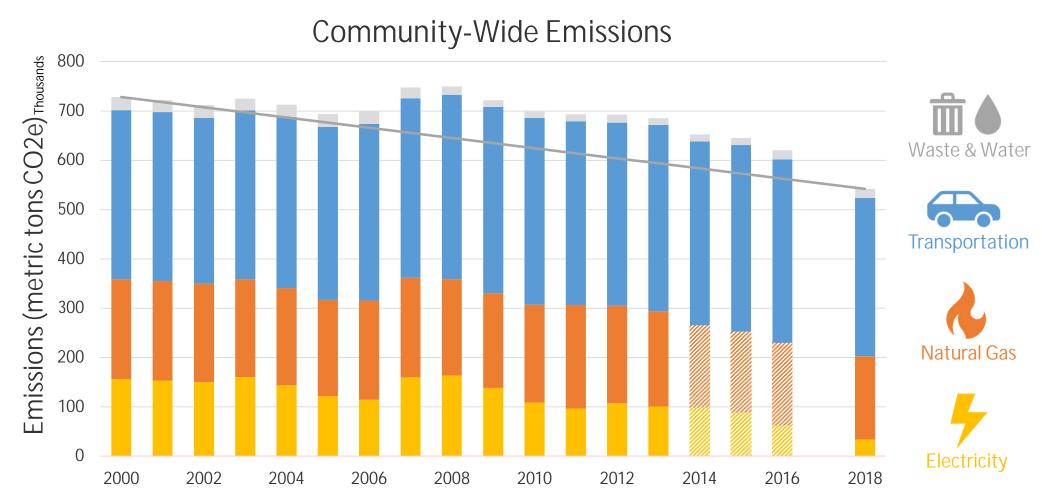
Fossil fuel free city





How do we get to ZERO?



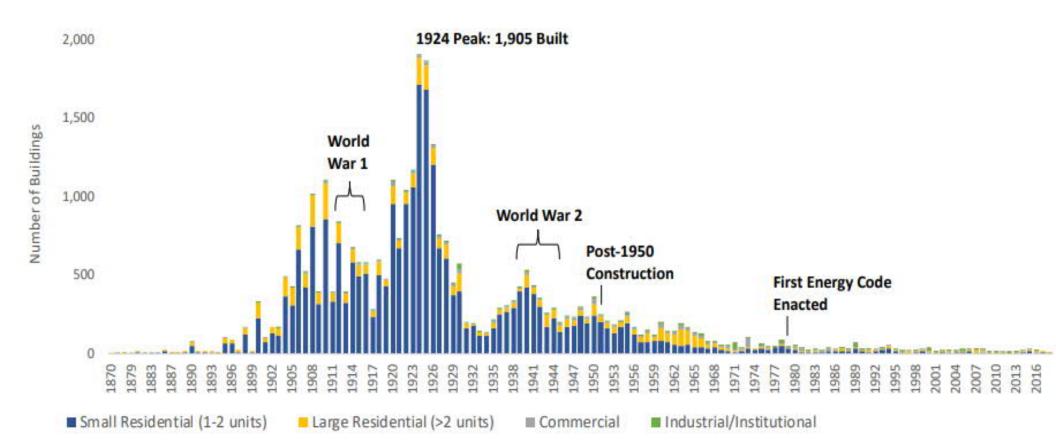


Emissions from our Existing Buildings





Berkeley Building Stock Breakdown



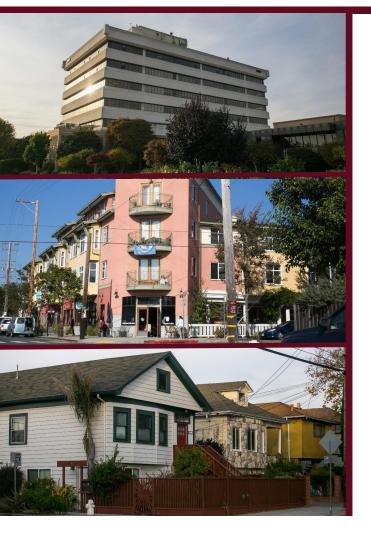


Berkeley's History with Energy Efficiency

1987 RECO Homes required to complete 11 minimal energy efficiency measures at sale, transfer, or major renovation 1993 CECO Commercial buildings required to meet minimal energy efficiency measures at sale or transfer Buildings 2009 Berkeley Climate Action Plan Reduce Emissions 30% by 2020 80% by 2050 Building Energy Saving Ordinance 2015



BESO Requirements – 1-4 Unit Homes



- Assessment every 5 years
- Annual Benchmarking

• Assessment every 10 years

- Assessment at time of sale
- Energy Labeling & Disclosure

Time of Sale Requirements





Home Energy Score



THIS HOME'S HOME ENERGY SCORE

6 out of 10

THIS HOME'S ESTIMATED ENERGY COSTS

\$2868 per year

Home Energy Score details



Home Energy Score



1,757 Homes Scored

4.3 Avg. Score

NITE OF

BESO Evaluation



City of Berkeley Building Energy Saving Ordinance Evaluation Report



To: City of Berkeley

Billi Romain Sustainability Manager Marna Schwartz Sustainability Coordinator

Marna Schwartz Alamchu Bro Sustainability Coordinator Senior Engine Ammon Reagan Nate Dewart Sustainability Program Coordinator Senior Project Mitchael Mcc

From:

Cassidee Kido Project Manager Alamelu Brooks Senior Engineer Nate Dewart Senior Project Manager Michael McGaraghan Director

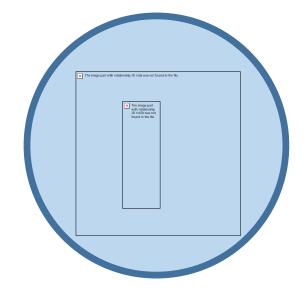
Co Energy Solutions

Evaluation Highlights









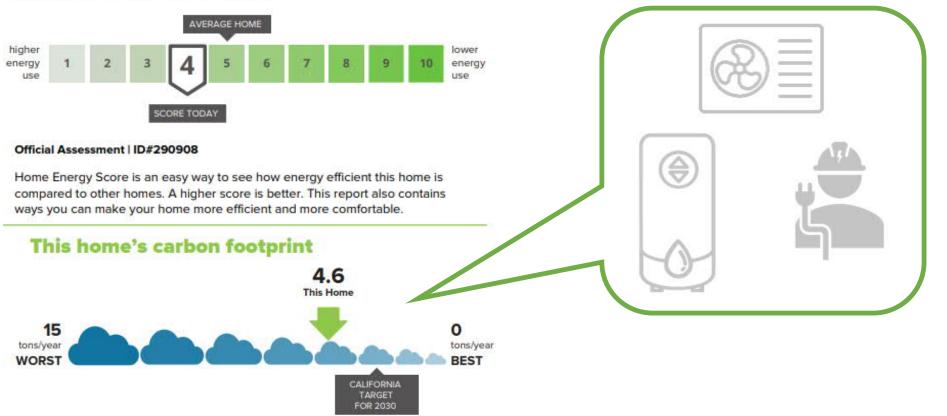
Expand goals to include Electrification & Resilience Leverage Rebates & Other Incentives

Increase Upgrades & Improve Tracking

Including Electrification Measures



Home Energy Score details



Move assessment to time of listing

 \equiv Green Building Registry* Q address, neighborhood, city, or ZIP code $\mathbf{\hat{}}$ HERS Index HES (Home Energy Score) Home Certifications ŝ Solar =University of California + **4**h California Memor Stadium ROCK Etna 🧶 ORTHS DE Colby St Arch S Ice St Cha Oxford St nning Milvia St NOR HOME LISTINGS St Milvia St • Fresno Ave Tulare Av McGee A California S Peralta Ave mel Ave Curtis St Jnivers Bonar Key Route Blvd stnut S Evelyn Ave Talbot Ave



Propose mandatory requirements



Phased-In Strategy

Pairing it with a funding source

Measures based off assessment

Key Takeaways from Creating BESO







Thank You!

Ammon Reagan

BESO Program Coordinator Office of Energy and Sustainable Development (510) 981-7416 AReagan@CityofBerkeley.info

